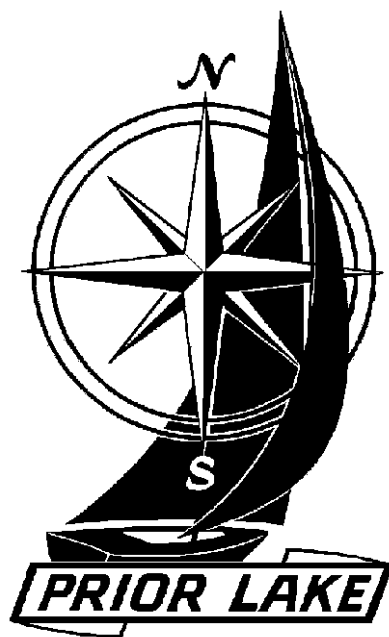


PRIOR LAKE HIGH SCHOOL

STUDENT/PARENT REGISTRATION

Program of Studies

2017 - 2018



PRIOR LAKE - SAVAGE AREA SCHOOLS
Independent School District 719
4540 Tower Street SE
Prior Lake, Minnesota 55372

PRIOR LAKE - SAVAGE AREA SCHOOLS

Independent School District 719

4540 Tower Street SE

Prior Lake, Minnesota 55372

BOARD OF EDUCATION

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Mr. Ben Hanson
Ms. Melissa Enger
Ms. Stacy Ruelle
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Mr. Todd Sorenson
Mr. Richard Wolf

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Mr. Jeff Holmberg, Assistant Superintendent
Mr. Matthew Mons, Director of Human Resources
Ms. Julie Cink, Director of Business Affairs
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Ms. Anne Graner, Assistant Principal
Mr. Joe Kuboushek, Assistant Principal

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Mr. Joseph Larsen	A - C
Ms. Lisa Hager	D - Ha
Mr. Ryan Smith	He - La
Ms. Amanda Kapusniak	Le - Pa
Ms. Carrie Super	Pe - Sk
Mr. Nate Gutshall	Sl - Z

DEPARTMENT CHAIRS

Art	Mr. Steven Showalter
Business	Mrs. Jennifer Reinhardt
English	Mrs. Victoria Wright
English	Ms. Elissa Meuwissen
Family & Consumer Science	Mrs. Glenna Stone
Foreign Language	Mrs. Jana Hidalgo
Industrial Education	Mr. John Maresh
Mathematics	Mr. Dan Beier
Music	Mr. Keith Koehlmoos
Physical Education/Health	Ms. Blair Rummel
Science	Mr. Sam Steinberg
Social Studies	Mr. Ryan Wagner
Special Education	Ms. Kelly O'Malley

STUDENT/PARENT REGISTRATION GUIDE

Program of Studies 2017 - 2018

MISSION STATEMENT OF PRIOR LAKE HIGH SCHOOL

Mission

Our mission is to educate all learners to reach their full potential as contributing, productive community members of an ever-changing world.

We are innovative, environmentally focused and wise stewards of our resources.

Core Values

- Partnership: Collaboration of resources and talents to achieve high mutual goals for the benefit of all
- Innovation: Creative problem solving connecting creativity with usefulness
- Respect: Valuing ourselves, each other and our world across all differences
- Wise Stewardship: Developing and effective use of our knowledge, human, financial and physical
- Accountability: Holding ourselves and each other accountable for our actions and words
- Strive for Excellence: Commitment to continuous learning and improvement

Vision

- Sustainable environmental focus sought out by others
- Challenging, diverse and personalized learning
- A culture of excellence fostering a love of learning and appreciation for the arts and activities
- A district of stakeholder partnerships
- Technology enhancing instruction, communication and administration
- Innovative and flexible staffing through wise financial stewardship

To Students and Parents:

As you start the registration process for the 2017-2018 school year, please remember that the course choices you make are very important. These courses prepare you for your further education, your eventual career and your personal life as an adult.

This registration guide is designed to aid you in developing your educational plans for high school and beyond. Education should be a cooperative venture for you, your parents and the school staff. **Parents:** please take the opportunity to read this guide and provide advice to your son or daughter in developing educational, personal and career plans. A parental signature will be required on students' course registration sheets to verify that you are aware of and approve of the courses your child has requested. **Students:** please give careful thought to what you want from your education. Ask advice from your parents and those teachers and counselors who know you, and who know your talents. Choose courses that will help prepare you for your career, employment, or post-secondary education goals.

Listed by department, you will find a brief description of each course. Please read those descriptions carefully. Many courses have stated prerequisites, please be certain you meet prerequisite requirements before selecting the course. Also please understand that enrollment in some courses requires staff approval. Students will be notified if their desire to take a course is not approved. All students will be asked to list several alternate courses when they register in case courses that they request are not approved or are eliminated due to low registration numbers. We do not guarantee your child will get all the courses they choose, so it is important for them to list alternate courses. The six-period day limits flexibility and thus choosing alternate classes becomes even more important.

Finally, as you are reviewing these selections and making decisions with your child, please be aware we are making a contract together. This means that by making these selections you are agreeing to participate in these classes. The school in turn then makes the needed staffing and hiring in response to these requests. In order for us to meet these expectations, your child's class selections need to be finalized and should not be altered after February 2017.

Students will not be allowed to drop any class for any reason unless directed to by school counselors and/or administration.

We believe you will find high school staff members helpful and willing to assist you as you develop your educational program. Please ask us if you have questions or need advice. Our best wishes to you for a successful and rewarding 2017-2018 school year!

Sincerely,

Dave Lund
PLHS Principal

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GENERAL INFORMATION

Before choosing your courses for next year, you should take time to develop educational or vocational goals to help you determine what you want from your high school academic experience. What career pathway interests you? What type of further education will it require? Will you need a four-year baccalaureate degree; will you need a two-year associate degree or a specialized training certificate? Does your career pathway require technical or business college background? What courses will these colleges or your projected major field require? You need to plan now so that you will meet the admission requirements of the post-secondary institution you would like to attend and so that your high school courses prepare you for the path you may be considering.

What career would you find most successful and rewarding? Whatever further education you choose, you will eventually seek career employment. You should take high school courses related to that career both to help you determine whether it is truly of interest to you and also to help prepare you for it. Mathematics, science and world language are required and/or encouraged for most careers and college programs. Once your goals have been determined, this registration guide will be useful to you in making decisions to achieve these goals. Please read it carefully and ask questions about the course offerings.

As you select the courses from this registration guide, you should consider:

- 1) your individual abilities, skills and weaknesses; your values and interests.
- 2) Prior Lake High School graduation requirements.
- 3) your career plans.
- 4) the requirements of educational institutions beyond high school.
- 5) the requirements of future employers.

All courses offered at Prior Lake High School are open to all students who enroll regardless of gender. Any student who feels she/he has been unable to participate in a program because of gender discrimination may contact the building principal or assistant principal. If unsuccessful in resolving the issue at that level, an appeal may be directed to the Director of Curriculum, Instruction, and Assessment at 4540 Tower St SE, Prior Lake, Minnesota; 952-226-0000.

HOW TO USE THE REGISTRATION GUIDE

1. The major part of this guide is made up of course descriptions. The courses are organized by department, e.g., Art, Business, and Social Studies. Courses can be found within the department by looking in the Table of Contents.
2. All courses will be scheduled and graded on a quarterly basis. This includes all semester and yearlong courses.
3. There is a variety of course offerings. Each course offered falls into one of the following categories: (1) a one quarter (9 weeks) course = .75 credits, (2) a one semester (18 weeks) course = 1.5 credits, or (3) a yearlong course = 3.0 credits. The course description will identify the length of the course. Students can mix and match courses to fit their preferences when selecting course requests.
4. Each course description indicates if it is a quarter, semester or year-long course and the grade level a student must be in to take the course. Year-long courses are intended to be taken for four consecutive quarters resulting in a full year of study. When you are choosing courses, refer to the student registration guide or registration sheet for the specific term it is offered. Students will use the course numbers listed on the registration sheet when entering their requests online in Skyward Student Access.
5. Some courses require that you have taken a certain class before you can take that course. This is called a **prerequisite**.
6. Most courses offered are designed to be taken by any student. However, Honors and Advanced Placement courses are more challenging and/or specialized and usually incorporate the concepts and skills of corresponding general courses as introductory or review material. All students may register for Honors and AP courses. Students with a "C" or better in the prerequisite courses will be enrolled in the course(s). Those students, who do not meet the prerequisite requirements, will be moved into a general level course.
7. After a student has passed a given course, the student may not repeat that course for credit toward graduation, except when noted.
8. Students should plan their course selection carefully with their counselor and parents.
9. Progress Reports are available online and Parent-Teacher Conferences will be held mid quarter, every quarter. Students are encouraged to attend these conferences with their parents. Report cards will be available on Family Access at the end of each course or semester.
10. Be sure to read the course description carefully before you select a class. Do not register for a course unless you are in the appropriate grade level and will have taken the necessary prerequisite course(s).
11. Generally, we are able to meet the scheduling requests of our students; however, we reserve the right to withdraw, add, or replace any and/or all courses because of insufficient enrollment or staffing to adequately teach each course.
12. Listed on the next page is an example and explanation of a typical elective course offering:

112 Drawing **Quarter** **Grades 9-12** **.75 credit** **Prerequisite: Intro to Art /101**

The *course number* is 112.

The course title is *Drawing*.

It is offered as a *quarter* class.

The course is worth .75 credit.

It is *open to students* in 9th, 10th, 11th & 12th grades.

Students must have previously earned credit in the *prerequisite course, Introduction to Art*.

SCHEDULE CHANGE REQUESTS

Students will be able to view preliminary class schedules on Family/Student Access prior to the beginning of each quarter. **Requests for changes, other than those necessary for educational reasons, or errors we have made in recording your requests, will NOT be granted.** Students must submit a schedule change request form prior to the start of a term. The Guidance staff will inform students/parents of the timeline, but generally all requests must be submitted 1-2 weeks prior to the start of a new term. Requests submitted within this time frame will be considered. Requests for a schedule change after this time frame, but within the first five days of the term, may result in academic penalty and/or loss of credit. Requests made after the first five days of a term will not be granted.

Meeting State Graduation Assessment Requirements

This Table outlines the requirements for meeting graduation assessment requirements based on when students first enrolled in grade 8. The requirements for students first enrolled in grade 8 in 2012-2013 and later have been revised based on current registration.

- These students are no longer required to participate in the series of Career and College Assessments.
- Districts must provide students the opportunity to participate in a national college entrance exam during the school day. The college entrance exam is not provided through a statewide administration from MDE.
- All students must be offered the opportunity but are not required to participate. MDE will no longer be tracking graduation assessment requirements for students first enrolled in grade 8 in 2012-2013 or later through MDE systems.

First Enrolled in Grade 8 in 2010-2011 or Earlier (Likely students older than grade 12 in school year 2015- 2016)	First Enrolled in Grade 8 in 2011-2012 (Likely grade 12 student in school year 2015-2016)	First Enrolled in Grade 8 in 2012-2013 and Later (Likely grade 11 student and younger in school year 2015- 2016)
<p>Meet requirements through any combination of the three options below as long as met in each subject (writing, reading and mathematics)</p> <p>Meet or have met graduation assessment requirements through GRAD by: achieving proficiency on high school Standards-Based Accountability Assessments; passing GRAD retests; and/or meeting GRAD alternate routes*</p> <p>OR</p> <p>Take or have taken ACT/Work Keys/ACT Compass/Armed Services Vocational Aptitude Batter (ASVAB)</p> <p>OR</p> <p>Have or receive score on equivalent assessment (district determined)</p>	<p>Took the grade 11 ACT plus writing during the statewide administration in 2014-2015 to meet requirements in writing, reading, and mathematics</p> <p>If unable to participate in the grade 11 ACT Plus Writing statewide administration or receive a valid score in each subject, meet the graduation assessment requirements in each subject through any combination of the options outlined in the first column.</p>	<p>Be provided the opportunity to participate in a district-provided college entrance exam in grade 11 or grade 12</p>

*GRAD alternate routes refers to mathematics alternate pathway (only for students first enrolled in grade 8 through 2009-2010), individual passing score, EL exemption, and pass other state (reciprocity).

Credits and Graduation Requirements 2018-2021

Course	Required Credits for 2018	Required Credits for 2019	Required Credits for 2020	Required Credits for 2021
English	12	12	12	12
Social Studies	10.5	10.5	10.5	10.5
Mathematics	9	9	9	9
Science	9	9	9	9
Physical Education	1.5	1.5	1.5	1.5
Health	1.5	1.5	1.5	1.5
Arts	3	3	3	3
Electives	16.5	16.5	16.5	16.5
Total credits required to earn a PLHS diploma	63	63	63	63

Notes:

It may be helpful to note the following credit information:

1 semester = 1.5 credits

1 quarter = .75 credit

3 credits = 1 year

Please use the requirement chart (page 14) for more specific information.

ARTS REQUIREMENT

Students may choose from the following courses to fulfill the State Art Standards and the local graduation requirements:

Department

Course Titles

Art

All courses

Business

Desktop Publishing

English

Intro to Theater, Advanced Theater, Creative Writing I & II

FACS

Interior Design I & II, Fashion Design


Industrial Tech

Intro to Engineering Design I, II, III, IV
Architecture II, Autocad I & II
Welding and Fabrication, Cabinetmaking
Laminating & Bending of Wood, Advanced Woodworking
Fab lab I & II

Music

All courses

GRADUATION CREDIT REQUIREMENTS
GRADUATING CLASS 2018+

Requirements	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English (12 credits)	3 credits English 9 or English 9 Honors/ <i>Pre-AP</i>	3 credits English 10 or English 10 Honors or English 10 Pre AP	3 credits English 11 or English 11 Honors or AP Language & Composition	3 credits English Electives or AP Literature & Comp.
Social Science (10.5 credits)	1.5 credits 9 th Grade Social Studies or AP Human Geography (3 credits)	3 credits Global Studies or AP World History	3 credits US History or AP US History	3 credits Economics (1.5) and American Government (1.5) or AP Economics or AP American Government
Mathematics (9 credits)	3 credits Algebra General or Geometry General or Geometry Honors	3 credits Geometry General or Algebra II General or Algebra II Honors	3 credits Algebra II General or Math Analysis or PreCalculus Honors	<i>(fourth year of math may be taken during 12th grade)</i>
Science (9 credits)	3 credits Physical Science (includes Earth Science)	3 credits General Biology or Biology Concepts	3 credits Chemistry OR Chemistry Honors OR Chemistry Concepts I and II OR Physics OR Physics Honors OR Physics Concepts I, II , III, and IV	<i>(fourth year of science may be taken during 12th grade)</i>
Physical Education (1.5)	.75 credit 9 th grade Phys. Ed.	.75 credit during grades 10-12		
Health (1.5)	.75 credit 9 th grade Health	.75 credit during grades 10-12		
Arts/Applied Arts (3)	3 credits during grades 9-12 All courses that qualify denoted by (icon) 			
Total Course Load* (minimum including electives)	18 credits	18 credits	16.5 credits	16.5 credits

Minimum Total Credits Required for Graduation: 63 credits

1 quarter = .75 credit

1 semester = 1.5 credits

1 year = 3.0 credits

Course Load

Students in grades 9-12 will be required to register for at least six classes per quarter. Exceptions may be considered on a case-by-case basis, but are rarely granted (e.g., multiple AP classes in schedule). Students in grades 11 and 12 will be allowed to register for an open period twice during the year (2 quarters).

Student Evaluation:

High school classes issue letter grades on a scale of A to F. All classes will be graded at the end of each quarter and students will earn .75 credit for each class.

Early Graduation Requirements

An application for early graduation must be discussed and filed with your counselor and then approved by the principal. The application form will outline all the requirements necessary for early graduation.

College-Bound Students

College entrance requirements vary greatly. We strongly recommend that students considering post-secondary education contact their counselor to become familiar with the entrance requirements of the colleges they are considering. Many of the four year colleges in Minnesota require students to be in the upper half of their class and also to perform satisfactorily on an entrance test such as the ACT (minimum ACT composite score of 21) or SAT. As a general rule, students who are planning to attend four year colleges should consider taking a rigorous academic program including:

- 1) Four years of English including courses in literature, composition and public speaking
- 2) A minimum of three years of math (4 years required for U of M system)
- 3) A minimum of three years of science w/ labs
- 4) A minimum of three and a half years of social studies
- 5) A minimum of two years of one world language
- 6) A minimum of one year fine arts or practical arts is recommended

It is recommended that you select a variety of subjects that will give you as broad an educational base as possible for your adult years. If you are considering a specific career after high school, choose classes that will prepare you for this work. However, it is not recommended that you over-emphasize any one area during your high school years, since it is expected that adults will have several different careers in their life. You will need to prepare yourself to continue your education throughout your adult years.

Once you select a specific career field, i.e. Auto Mechanics, Electronics, Practical Nursing, etc., see your counselor for the technical colleges or specialized schools that offer the program and then determine what high school courses will best prepare you for entry into that specialized field.

As the number of high school graduates and applications to college continue to increase, colleges are becoming increasingly more competitive. Most schools review a student's GPA, the results of college entrance test scores (ACT, SAT) and the depth and rigor of a student's course history (full load of classes and advanced level classes) in making the admissions decision. We encourage students to challenge themselves accordingly, and seek advice from parents, teachers, and counselors when choosing their classes for registration.

Students can also visit the Career Center to learn what materials and resources are available.

SCHOOL BOARD POLICY REGARDING WEIGHTED GRADING

Rationale: In selecting elective courses which have multiple levels of difficulty, capable students should be encouraged to select the most appropriate level. Weighting of course credit in more difficult levels would provide an extra incentive to reward students for challenging themselves.

Courses designated as "weighted courses" will have a grade point value increased by a factor of 1.1 above that of non-weighted courses. (A = 4.4, B = 3.3, etc.)

Currently, the weighted courses are: College Accounting, English 9 Honors/Pre-AP, English 10 Pre-AP, English 10 Honors, English 11 Honors, Advanced Placement English Language and Composition, Advanced Placement Literature and Composition, Chemistry Honors, S2S Chemistry, Advanced Placement Environmental Studies, Anatomy and Physiology, Physics Honors, S2S Physics, Biochemistry I and II, Geometry Honors, Algebra II Honors, Precalculus Honors, Advanced Placement Statistics, Advanced Placement Calculus AB & BC, Advanced Placement Computer Science A, Advanced Placement Human Geography, Advanced Placement World History, Advanced Placement US History, Advanced Placement American Government and Advanced Placement Economics.

NCAA COLLEGE ATHLETIC ELIGIBILITY

Division I 16 Core-Course Rule

16 Core Courses:

4 years of English
3 years of mathematics (Algebra I or higher)
2 years of natural/physical science (1 year of lab)
1 year of additional English, mathematics or natural/physical science
2 years of social science
4 years of additional courses (from any area above, foreign language or non doctrinal religion/philosophy)

Division II 16 Core-Course Rule

Students enrolling on or after August 1, 2013

16 Core Courses:

3 years of English
2 years of mathematics (Algebra I or higher)
2 years of natural/physical science (1 year of lab)
3 years of additional English, mathematics or natural/physical science
2 years of social science
4 years of additional courses (from any area above, foreign language or non doctrinal religion/philosophy).

If you want to practice and play during your freshman year at an NCAA Division I or Division II College, you must satisfy the requirements of NCAA Bylaw 14-3, commonly known as Proposition 48.

See your counselor for further information on college athletic eligibility or view the information on our Guidance website.

Click here for link: <http://www.priorlake-savage.k12.mn.us/schools/PLHS/guidance-office/index.aspx>

Student athletes should register with the NCAA Clearinghouse by the end of their junior year of high school.

Advanced Placement Exams

At the completion of an Advanced Placement (AP) course students will have the opportunity to take the AP exam. Students who score high enough on the AP exam may receive college-university credit for the exam. Each individual college or university sets its own standards on what they will accept for a score on the AP exam and what college credit they will give. The cost of the test ranges from \$50.00 to \$90.00 and is to be paid by the student before they will be allowed to take the exam. Students may choose not to take the exam.

For more information regarding AP testing, please visit the Guidance website and click on the “AP Testing” link.

HYBRID/ONLINE COURSES

Hybrid/Online courses are intended to help our students attain 21st century skills. Teachers will meet with students periodically each week. When not convening in the classroom, students are expected to be engaged in learning on-line. For example, a course may meet Monday, Wednesday, Friday one week and Tuesday, Thursday the next week. When the class is not in session, the instructor will be available on-line to assist students with their studies. When not in session, students may work from home or in a computer lab at Prior Lake High School. The curriculum for the hybrid courses offered will not change---only the delivery method. Course offered as either Hybrid or Online are noted in the course descriptions

Who should take a Hybrid/Online course?

These courses are currently only open to juniors and seniors. To succeed in a Hybrid/Online course a student needs to be a motivated, independent learner who is organized, task-orientated and self-disciplined. Students who are self-motivated, manage their time well, and possess good technology skills will do well in a Hybrid/Online course.

Courses to be offered through Hybrid learning:

Journalism	College Prep Grammar & Vocab	Strength & Conditioning (Zero Hr)
College Prep Composition	Creative Writing I and II	American Government
College Prep Literature	First Aid & CPR	General Economics

ZERO HOUR

Zero hour will be offered as an option to all students during the registration process. Students who choose to take a zero hour class will attend class from 7:00 to 7:55 AM. Students must provide their own transportation to school.

Courses to be offered during Zero Hour:

Health 9	Stress Management	Algebra II Honors
Team Sports 9	Strength & Conditioning	
	Aerobics	

PRIOR LAKE HIGH SCHOOL

2017 – 2018

COURSE DESCRIPTIONS

ART COURSES

Introductory Courses				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter	101	Introduction to Art	None	9-12
Quarter	127	Graphic Design 1	None	9-12
Quarter	149	Photography 1	None	10-12

Intermediate Courses				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter	112	Drawing	Introduction to Art	9-12
Quarter	117	Sculpture	Introduction to Art	9-12
Quarter	120	Painting 1	Introduction to Art	9-12
Quarter	131	Pottery 1	Introduction to Art	9-12
Quarter	139	Graphic Design 2	Graphic Design 1	10-12
Quarter	157	Photography 2	Photography 1	10-12

Advanced Courses				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter	134	Painting 2	Painting 1	10-12
Quarter	165	Pottery 2	Pottery 1	10-12
Quarter	166	Pottery 3	Pottery 2	10-12
Quarter	143	Graphic Design 3	Graphic Design 2	10-12
Quarter	144	Graphic Design 4	Graphic Design 3	10-12
Quarter	162	Photography 3	Photography 2	10-12
Quarter	163	Photography 4	Photography 3	10-12

Studio				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter (Course can be taken for up to 8 quarters)	153	Studio	Complete an Introductory, Intermediate and Advanced Course or instructor approval	10-12

ART COURSES



All courses in this section provide the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

101 INTRODUCTION TO ART	Quarter	Grades 9 - 12	.75 Credit	Prerequisite: None
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The intent of the course is to give students a chance to explore many areas of art. The emphasis during this course is to learn the elements of art and principles of design and use that knowledge to create meaningful artwork. Students will actively explore various types of fine arts; including drawing, painting, and printmaking. Throughout the course, students will critique and learn about many famous artists and styles of art to help them improve upon their own art.

112 DRAWING	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Introduction to Art
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Drawing explores one of the most fundamental skills of an artist... The ability to put down on paper what is in your mind. Students in Drawing will learn a variety of techniques using anything from pencils to charcoal, to X-acto knives. Students will learn different techniques in drawing (use of basic shapes, use of scale method and use of grid method). Students will use a variety of drawing mediums such as pencil, charcoal and conté. A talent can be learned and developed over a lifetime. This course is recommended for Painting 1 and Painting 2.

120 PAINTING 1	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Introduction to Art
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Recommended: Drawing

In Painting 1 students learn how to paint; you don't have to know how to paint at all to start 😊. Students will learn a variety of techniques, from abstract to realism. Students are able to choose what they would like to paint and learn how to make it look like they planned it. Students will learn the skill of mixing paints, how to reproduce images from photos using the grid method, and how to apply color theory. This class is a prerequisite to Painting 2.

134 PAINTING 2	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: Painting 1
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In Painting 2 students take ideas and subject matter that they care about and use them to create full color compositions. With an understanding of the painting basics, students are now ready to develop some of their own ideas into full color paintings. Students in this class will build on the basics they learned in Painting 1. Emphasis will be put on experimentation with color mixing, learning new techniques and discovering new artists. Students will be assigned advanced projects and also be expected to develop independent project ideas.

149 PHOTOGRAPHY 1	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: None
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Photography 1 is designed to teach students basic photography skills. Students will learn how to control various settings on digital cameras, process and edit photos through Adobe Lightroom and Adobe Photoshop. The course will also focus on composition and creation of a digital album and stop motion video. Students will have access to use school digital cameras in school but can choose to use their own digital cameras. A limited number of **digital SLR cameras are available for rent. The rental fee is \$75.** Please see instructor if not sure about camera type.

157 PHOTOGRAPHY 2	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: Photography 1
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This course provides further exploration of digital photography, fine-tuning their editing skills as well as learning how to use artificial lighting. Students will learn to conceptualize their images prior to taking photographs by preplanning for completion of projects through contracts. Students will also start learning how to give and receive constructive criticism through verbal group critiques. Students will have access to use school cameras in school but can choose to use their own cameras. A limited number of **digital SLR cameras are available for rent. The rental fee is \$75.** Please see instructor if not sure about camera type.

162 PHOTOGRAPHY 3	Quarter	Grades 10– 12	.75 Credit	Prerequisite: Photography 2
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Students will continue developing their photography skills through photographing subject areas of their own interest. Students will also learn to take process and print black and white film and matte their work. Throughout the course students will continue their verbal and written communication of artwork. Students will have access to use school cameras in school but can choose to use their own cameras. A limited number of **digital SLR and film cameras are available for rent. The rental fee is \$75 for digital SLR and \$50 for film SLR Cameras.** Please see instructor if not sure about camera type.

163 PHOTOGRAPHY 4	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: Photography 3
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In Photography 4, students will be working toward completing a portfolio and expanding their technical skills in photography. Students will be able to choose to work in digital or black and white film. Students will learn to write about their work through artist statements. Throughout the course students will continue their verbal communication of artwork through group critiques. Students will have access to use school cameras in school but can choose to use their own cameras. A limited number of **digital SLR and film cameras are available for rent. The rental fee is \$75 for digital SLR and \$50 for film SLR Cameras.** Please see instructor if not sure about camera type.

127 GRAPHIC DESIGN 1	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: None
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Students will work with the award-winning graphic design tool *Adobe Photoshop*. In this course students will learn the principles of design and create incredible graphics using digital photography, internet resources, and scanned material. Some assignments include: CD artwork design, logo design, and concert poster design. This is the first class of the four courses offered: at the end of Graphic Design 4 students will be able to create with Photoshop, Illustrator and Flash.

139 GRAPHIC DESIGN 2	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: Graphic Design 1
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Students will dive deeper into the world of *Photoshop* and take the skills they learned in Graphic Design 1 to a new level. Students will be introduced to the industry standard in image production, a powerful program similar to *Photoshop* called *Adobe Illustrator*. In Illustrator the possibilities for creating original graphics are limitless.

143 GRAPHIC DESIGN 3	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: Graphic Design 2
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Continue your Illustrator and Photoshop skills while adding Flash to the mix. Flash is an animation program that allows one to create motion graphics. Students will create small scale animations. We will also be continuing to sharpen Photoshop and Illustrator skills by redesigning existing packaging for products.

144	<u>GRAPHIC DESIGN 4</u>	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: Graphic Design 3
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Continue your Illustrator, Photoshop and Flash skills in a more professional and self-guided atmosphere. You will have much more freedom in this course to work independently on projects that you create. There will be an emphasis on creating more professional graphics sometimes for clients and sometimes for yourself.

117	<u>SCULPTURE</u>	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Introduction to Art
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This course will offer a variety of experiences in 3-dimensional art. Students will work in many mediums such as clay, wood, found objects, wire and more. The emphasis of this class is to take the elements and principles learned in Introduction to Art and use this knowledge to create artwork in the round. Students will learn about environmental works, installations, functional and non-functional works of art.

131	<u>POTTERY 1</u>	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Introduction to Art
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This course is designed for students with an interest in working with clay. Half of the course will focus on learning how to use the pottery wheels to create functional pottery; the other half of the course will be spent learning a variety of hand-building techniques. Students will be using stoneware clay, professional glazes, and have access to one of the best pottery studios in the area.

165	<u>POTTERY 2</u>	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: Pottery 1
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This course provides further exploration of the clay medium. Students will create both functional and sculptural pottery utilizing a variety of advanced wheel techniques. Students will also experiment with new glazing methods and learn many other ways to decorate their pottery surfaces. In addition to the assigned projects, students will also be expected to work independently developing ideas for some of their projects.

166	<u>POTTERY 3</u>	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: Pottery 2
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In Pottery 3, students will take the skills they learned in previous pottery courses to the next level. Students will create both functional and sculptural pottery utilizing new techniques to further develop their skills in pottery. Students will be assigned advanced projects and also be expected to develop independent project ideas.

153	<u>STUDIO</u>	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: Complete an Introductory, Intermediate and Advanced Course or seek instructor approval
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Studio is the pinnacle of the art experience at Prior Lake High School. Students will work on guided projects as well as conceptualizing their own ideas. Students will also participate in mini art shows and group critiques at the completion of each project to continue their growth in communicating constructive criticism and analysis. The goal is to have a group of upper-level art students working independently where the atmosphere encourages critique and support. Students will have the opportunity to create and document pieces for their portfolio. While in studio, students may work in any of the following areas: Photography, Sculpture, Graphic Design, Painting, Printmaking, Drawing, or Pottery.

BUSINESS COURSES

Accounting & Finance				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter	227	Investing	None	9-12
Semester	254/260	Intro to Accounting I	None	9-12
Semester	255/261	Intro to Accounting II	Intro to Accounting I	9-12
Marketing & Business				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter	226	Business Law	None	9-12
Quarter	243	Entrepreneurship	None	9-12
Quarter	205	Hospitality Management	None	9-12
Quarter	217	International Business	None	9-12
Quarter	203	Introduction to Business	None	9-12
Quarter	244	Marketing & Sales	None	9-12
Quarter	247	Sports & Entertainment Marketing	None	9-12
Computers & Technology				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter	231	Computer Applications	None	9-12
Quarter	210	Desktop Publishing	None	9-12
Quarter	232	Web Page Design	None	9-12
Quarter	204	Word Processing	None	9-12
Quarter	237	Web 2.0	None	9-12
Career/Real World Experience				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Semester	771	FabLAB 1: Innovations, INC.	None	10-12
Semester	773	FabLAB 2: Innovations, INC. Open for Business	FabLAB 1	10-12

WORK PROGRAM

2 Quarters	281/282	Diversified Occupations: Business Class (Q1 and Q2)	Application, interview	12
2 Quarters	283/284	Diversified Occupations: Business Class (Q3 and Q4)	Application, interview	12
2 Quarters	285	Diversified Occupations: Business Experience-Q1 and Q2/1 hr.	Diversified Occupations: Bus. Class	12
2 Quarters	287	Diversified Occupations: Business Experience- Q1 and Q2/2 hr.	Diversified Occupations: Bus. Class	12
2 Quarters	286	Diversified Occupations Business Experience- Q3 and Q4/1 hr.	Diversified Occupations: Bus. Class	12
2 Quarters	288	Diversified Occupations : Business Experience- Q3 and Q4/2 hr.	Diversified Occupations: Bus. Class	12

BUSINESS COURSES

227 INVESTING	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

Save money...plan for retirement...study investment options...but you're only in high school! Experts agree that the time to learn about financial literacy is at this stage! This course studies the concepts and evidence relevant to the management of investment portfolios. Topics include diversification, asset allocation, portfolio optimization, the relation between risk and return, trading, mutual funds, and simulation.

254/260 INTRODUCTION TO ACCOUNTING I	Semester (2 Qs)	Grades 9-12	1.5 Credits	Prerequisite: None
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Course Description:

How does a local auto parts store decide to move from an old mall to a new, modern facility? How does a bakery decide to add more employees and expand the products it makes? These decisions are made as managers, bankers, and business owners look at their Accounting—financial—information. Accounting *is the language of every business*. Fundamental accounting concepts will be introduced as students work with service businesses owned by one person.

This course is suggested for those who are interested in being a part of the business world in any capacity -- sales and marketing, administrative support management, business owner, accountant or computer programmer. Students planning to major in some type of business at a post-secondary school or college will be required to take several accounting classes. A minimum of one year of high school accounting gives the students an introduction to the subject and provides a foundation for further study. Microsoft Excel and accounting software will be utilized in working with computerized accounting applications.

255/261 INTRODUCTION TO ACCOUNTING II	Semester (2 Qs)	Grades 9-12	1.5 Credits	Prerequisite: Accounting I
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Course Description:

Accountants—Wanted! Statistics show that 11% more accountants will be needed each year; gain more accounting knowledge in high school! This course focuses on using accounting concepts for merchandising businesses organized as corporations. Students will work with payroll and inventory. Microsoft Excel and accounting software will be utilized in working with computerized accounting applications. A computerized business simulation is used to provide practical experience in handling retail business accounting.

203 INTRODUCTION TO BUSINESS	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

Why are business and economics always in the news? Business and economics play an important part in everyday life. In fact, Business is one of the most popular college majors! This class is designed to acquaint students with a variety of business activities—economics, budgeting, business ethics and social responsibility, business leadership, the global marketplace, hiring and training employees, applying for a job, leadership and management, culture and diversity, and marketing. Career opportunities in business will also be explored.

217 INTERNATIONAL BUSINESS	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

We live as participants in a global economy. This course introduces the study of International Business and the many aspects of conducting business in our global economy. Students will explore international concepts needed to become effective participants in international business – importing and exporting, foreign exchange, management, marketing, cultural awareness, and business practices. This course will also look at the human relation skills needed to develop effective trade relationships in the diverse, complex global economy and the social and ethical responsibility of business in our global economy.

226 BUSINESS LAW	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

What do you need to know before you sign a contract for a cell phone? How can you protect yourself as a consumer? What is civil law? What does John Grisham's book, *The Rainmaker*, have to do with this course? Business Law is designed for the students interested in business and for those who want to know about the law as it relates to the consumer. Topics studied include the nature and kinds of law, legal rights and duties, ethics and the law, torts, civil court procedures, the nature of contracts, leases and tenant rights, and a mock trial. A variety of materials are used to connect classroom learning with current practices and topics.

243 ENTREPRENEURSHIP	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

Did you know that the first Internet browser and Facebook were started by college-age guys? Would you like to run your own business? Do you want to be your own boss? Do you have great ideas? This course provides an overview of a variety of topics related to business ownership and entrepreneurship--characteristics of an entrepreneur, steps involved in owning your own business, marketing and management strategies, legal rights and responsibilities, marketing, finance, and formation of a business plan. Guest speakers will help connect classroom learning with current practices and topics. The school store will be an ongoing project of the students in Entrepreneurship class.

244 MARKETING & SALES	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

As most marketing aims to capture your generation, this course helps students understand marketing—the process through which organizations analyze, plan, implement, and control programs to develop and maintain beneficial exchanges with target buyers. Effective marketing is critical for the long-term success of any business organization because this function ensures that the firm attracts, retains, and grows customers by creating, delivering, and communicating superior customer value. Within this course students will be designing a display case, creating a package for a product, and produce their own infomercial. Students will also be involved in the operation of the school store

247 SPORTS & ENTERTAINMENT MARKETING	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

The sports and entertainment industry is one of the most exciting and fastest growing industries in the United States. Students explore the connection between marketing and the sports and entertainment industry. Students will have the opportunity to develop and design their own sports or entertainment franchise while developing a knowledge of how to market college, amateur, and professional sports, by using endorsements and being aware of the legal issues for that come along with marketing sports and entertainment. Students will also be involved in the operation and marketing of the school store.

205 HOSPITALITY MANAGEMENT	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

Have you ever wondered what it would take to run a hotel, restaurant or club? Do you like to travel? Are you intrigued by the idea of helping others explore the beauty, culture and cuisine of the world around them? This course welcomes students into the exciting and diverse hospitality and tourism industry. The course covers key hospitality issues, management, and career opportunities available in restaurants, hotels and beverage operations, and countless other hospitality and tourism businesses. With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, the hospitality and tourism industry is one of the fastest growing industries in the world.

204 WORD PROCESSING	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

Do you want to become a more efficient user of the keyboard? Would you like to cut down the time it takes you to type a paper? Would you like to learn how to *really* use Microsoft Word 2013 and many of its features? This course is designed for both the beginning keyboarder and the student who is comfortable with the keyboard. Development of proper keyboarding and word processing techniques will be emphasized as well as speed building and accuracy. Students will work with formatting personal and business letters, email, MLA style reports, memos and tables. A simulation will be included at the end of the quarter. MicroType Media by South-Western Publishing is used during the first few weeks to take students from their present level to an improved skill. This class will help students achieve success with many technology and computer applications throughout high school and college.

210 DESKTOP PUBLISHING	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Meets Graduation Standard for Arts/Technical Arts

Course Description:



Create your own invitations, posters, magazine covers! Students will learn design principles and elements as they combine text and graphics to create professional printed publications. Students will use Adobe Illustrator CS6, Microsoft Publisher, and Adobe InDesign CS6 software to prepare a variety of Materials—for example: posters, logos, packaging, signs, infographics, books, flyers, newsletters, , and advertisements. In addition, students will learn terminology and apply layout concepts, color and type characteristics, graphics development, and text manipulation and creation.

231 COMPUTER APPLICATIONS	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

Do you want to impress your teachers, bosses, and friends? In this class, you will learn how to use Microsoft Office products—Word, PowerPoint, Excel, and Access. You will create interesting, eye-catching Word documents, animated PowerPoint presentations, complicated Excel formulas, and basic Access database searches. These are skills that are important now and in your future. By the end of this course, you will be a Microsoft Master!

232 WEB PAGE DESIGN	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

What's behind the websites you use? What kind of planning and preparation is used in developing websites? Do you want to learn how to develop your own website? This course will present basic principles of web page design, creation, and maintenance through the use of *HTML and CSS*. Students will develop several websites to demonstrate their learning.

237 WEB 2.0	Quarter	Grades 9-12	.75 Credit	Prerequisite: None
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Course Description:

Do you want to learn how to create original content through technology? Would you like to learn how to **use** mobile applications, computer programs, and websites to accomplish tasks and solve problems in your life? Students will learn skills necessary to create content **via blogs and podcasts, wikis, social bookmarking, social networks, 3-D virtual environment-Second Life, animation, video, RSS, voice thread, google apps, and online conferencing**. Research skills that are important to become lifelong learners will be a part of class, as well as how to be safe and ethical global citizens in an increasing connected online world. These are skills that can be applied to students' personal lives as well as help them explore and gain basic proficiencies with various post-secondary education and career paths.

771 FabLAB 1: INNOVATIONS, INC.	Semester	Grades 10-12	1.5 Credit	Prerequisite: None
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Meets Graduation Standard for Arts/Technical Arts



Course Description:

Are you an idea person? Have you ever watched *Shark Tank*? Do you enjoy thinking of new and creative ways to solve everyday problems? Do you want to join in on the challenge and fun as you **design, build, and promote** products that you produce? In Innovations, Inc., you will use a 21st Century Fabrication Lab as you gain real world experience on 3-D printers, laser engravers, t-shirt production equipment, and vinyl cutters to design and build products. Develop your marketing skills to promote and sell to customers. Students with basic computer skills, an imagination, and a desire to learn will be successful as they guide their path of learning through these digital technologies.

773 FabLAB 2: INNOVATIONS, INC. OPEN for BUSINESS	Semester	Grades 10-12	1.5 Credits
Prerequisite: FabLAB 1			

Meets Graduation Standard for Arts/Technical Arts



Course Description:

Are you ready to take your FabLAB skills and combine them with your innovation to be part of an operating business? Students will gain experience using CNC routers, CNC plasma cutters, CNC milling machines. In addition, students will have an opportunity to further develop their 2-D and 3-D software skills and hardware skills as they develop more advanced projects to showcase their knowledge and abilities. Students will hone their business skills as they start and operate a production facility, set up a store front within Laker Corner, and market to local customers for custom orders. Students will further develop 21st Century Skills as they collaborate on design, production, and marketing functions.

WORK PROGRAM: DIVERSIFIED OCCUPATIONS

281-284 DIVERSIFIED OCCUPATIONS: BUSINESS CLASS	Semester	Grade 11-12	1.5 Credits
Prerequisite: Application and interview			

Course Description:

Business Class is required for seniors who have been selected to the Diversified Occupations Program: Business Experience. Student participants in this class are also enrolled in Diversified Occupations Program: Business Experience. Work program is designed to help students develop skills, attitudes and knowledge necessary for success in the world of business. Classroom work reinforces the students' learning in their internship experiences. Topics include: employer expectations, workplace communication, teamwork, business computing, career research, job search skills, leadership development, workplace coping skills, business ethics, and computer applications. Students must maintain passing grades to remain in the program. ***Students may register for all four quarters.***

DIVERSIFIED OCCUPATIONS: BUSINESS EXPERIENCE	Semester	Grade 11-12	1.5 Credits
Prerequisite: Application/Class	Semester		

285: Q1 and Q2, 1-hour option

286: Q3 and Q4, 1-hour option

287 Q1 and Q2, 2-hour option

288: Q3 and Q4 2-hour option

Course Description:

Students gain workplace experience in a variety of business internship positions that help them prepare for future careers in management, retail, marketing and sales, accounting, banking, business ownership and computer applications. Students are required to work between 15 and 30 hours per week at the school-approved internship site for the 2-hour option. Half as many hours will be required for the 1-hour option. Internship experiences are planned each quarter by the employer, the student and the instructor as learning goals are established. Employers are involved in evaluating students' work performance. Students must maintain passing grades to remain in the program.

Laker Corner Manager Internship experiences are available for four managers to oversee and operate Laker Corner. Students will be employed on a daily basis from 1:00 p.m. to 3:00 p.m. Occasionally, other hours may be required for parent-teacher conferences or special events. Although this is not a paid position, students receive a scholarship stipend to the college they will attend. ***Students may register for all four quarters.***

ENGLISH COURSES

9 th GRADE				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Year	301/303	English 9	None	9
Year	309/311	English 9 Honors/Pre-AP	"C" or above in English	9

10 th GRADE				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Year	328/330	English 10	English 9	10
Year	332/334	English 10 Honors	"C" or above in English	10
Year	320/322	English 10-Pre-AP	"C" or above in English	10

11 th GRADE				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Year	352/354	English 11	English 10	11
Year	356/358	English 11 Honors	"C" or above in English	11
Year	348/350	AP English Language and Composition	"C" or above in English	11

12 th GRADE				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Year	395/397	AP Literature and Composition	"C" or above in English	12
2 Quarters	380	College Prep Composition – Hybrid	"C" or above in English	12
2 Quarters	388	College Prep Literature – Hybrid	"C" or above in English	12
2 Quarters	364/365	English 12	None	12

11 th -12 th ELECTIVES				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Quarter	361	College Prep Grammar & Vocab - Hybrid	None	11-12
Quarter	360	Contemporary Fiction	None	11-12
Quarter	386	Creative Writing I - Hybrid	None	11-12
Quarter	387	Creative Writing II - Hybrid	Creative Writ. I	11-12
Quarter	384	Humanities I	None	11-12
Quarter	385	Humanities II	Humanities I	11-12
Quarter	370	Journalism – Hybrid	None	11-12
Quarter	378	Mass Media	None	11-12
Quarter	366	Speech I	None	11-12
Quarter	367	Speech II	Speech I	11-12

10 th -12 th ELECTIVES				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
2 Quarters	338	Video Production II	Video Prod. I/Dept Approval	10-12

9 th -12 th ELECTIVES				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
2 Quarters	336	Video Production I	None	9-12
Quarter	392	Introduction to Theater	None	9-12
Quarter	394	Advanced Theater	Intro to Theater	9-12

ENGLISH COURSES

301-304 English 9	Year-long (4 quarters)	Grade 9	3 Credits	Prerequisite: None
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This course is offered on a General or Honors level.

Literature, reading and speaking are major components of this course. Students shall explore contemporary and relevant themes through short stories, poetry, drama (*Romeo & Juliet*) and novels (*To Kill A Mockingbird* and *Of Mice and Men*). Writing activities will be used to relate the literature to personal experiences. Students will perfect the paragraph form and write multi-paragraph essays. Writing will include informational and creative styles appropriate for varying audiences. Spelling, grammar, and vocabulary will be taught in conjunction with writing and literature. Students shall demonstrate the ability to construct and deliver speeches using English language conventions for a variety of purposes, situations, and audiences.

309-312 English 9 Honors/Pre-AP	Year-long (4 quarters)	Grade 9	3 Credits	Prerequisite: "C" or better in English classes
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The focus of Honors/Pre-AP English courses is to provide advanced work in literature and writing that requires analysis and criticism of works, using close reading and knowledge of the five elements of a writer's voice – diction, tone, imagery, syntax, and details. Grammar, vocabulary, and speeches will also be a part of this course. Analytical responses to literature, analysis of writing, and critical thinking skills will fine-tune skills and help students decide which "path" beyond ninth grade may be best for them – Pre AP or Honors. Honors/Pre-AP courses are aimed at better preparing students for the rigors of college work. For this reason, it is recommended that students have met or more likely exceeded standards on the MCA Reading Test taken in seventh grade. Students shall explore contemporary and relevant themes through short stories, poetry, plays (*Romeo & Juliet*) and novels (*To Kill a Mockingbird*, *Ender's Game*, *Of Mice and Men*, and *The Odyssey*). A "C-" or above average must be maintained in order to remain in this class.

Please note: *Students who sign up for honors/Pre-AP/AP classes and either choose to drop or do not maintain a C- or above average at the end of each quarter will be moved into regular English for the remainder of the year. Movement between levels throughout the year will not be allowed due to differentiation in curriculum between levels.

***Summer reading and analysis assignments are required for this course.**

328-331 English 10	Year-long (4 quarters)	Grade 10	3 Credits	Prerequisite: English 9
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This course will include the study of composition, literature, speech (listening and discussion), grammar usage and mechanics. It will present to students the language arts skills needed to pursue other english courses. Students are encouraged to use proper word processing skills and have the ability to access computers on a frequent basis. The plays *Julius Caesar* and *Antigone* and a selected novel are several of the major units covered.

332-335 English 10 Honors

Year-long (4 quarters)

Grade 10

3 Credits

Prerequisite: "C" or better in English classes

The focus of honors English courses is to provide advanced work in literature and writing that requires analysis and criticism of works, using close reading and knowledge of the five elements of a writer's voice – diction, tone, imagery, syntax, and details. Honors courses are aimed at better preparing students for the rigors of college work by requiring more analytical response to, and analysis of literature, writing, and critical thinking skills. The plays *Julius Caesar* and *Antigone*, and the novels *The Time Machine* and *The Lord of the Flies* are several of the major works covered.

Please note: *Students who sign up for honors/Pre-AP/AP classes and either choose to drop or do not maintain a C- or above average at the end of each quarter will be moved into regular English for the remainder of the year. Movement between levels throughout the year will not be allowed due to differentiation in curriculum between levels.

***Summer assignments required for this course.**

320-323 English 10 – Pre-AP

Year-long (4 quarters)

Grade 10

3 Credits

Prerequisite: "C" or better in English classes

English courses build awareness and understanding of our historical and contemporary societal context and engage students in thinking that empowers them to make informed decisions. English courses must build on and repair the foundational facilities of grammar, spelling, vocabulary, and fundamental reading, and writing. Many students already have good foundational skills and can benefit from putting those skills to work in a more challenging and enriching way. English 10 – Pre-AP is a first step on the Advanced Placement bridge from adequacy to excellence. It will be challenging, but it will also be fun. The Pre-AP student will have reading and composition activities that foster increasingly complex thinking processes. All works that students read in their Pre-AP classes are of literary merit and are both complex and varied. It is therefore vital for the student's success that more time at home must be used for keeping up with the work in this upper level class. Summer reading (between 9th and 10th grade) will be required. Students who have relied successfully on listening and memorization in class will now find that these skills are only an introduction to concepts that they must study and explore more fully on their own.

Pre-AP English courses focus on four main areas:

Reading – closely and deeply

Writing – correctly, coherently, and complexly

Grammar – how and why authors use it properly

Critical Thinking – finding meaning in literary art and discussing that meaning

Differences between Honors and Pre-AP: more concentration on analyzing the writer's voice, more time spent on literary/rhetorical techniques and terms, more time using in-depth discussion, and more time spent on academic writing.

Please note: *Students who sign up for honors/Pre-AP/AP classes and either choose to drop or do not maintain a C- or above average at the end of each quarter will be moved into regular English for the remainder of the year. Movement between levels throughout the year will not be allowed due to differentiation in curriculum between levels.

***Summer assignments required for this course.**

352-355 English 11	Year-long (4 quarters)	Grade 11	3 Credits	Prerequisite: English 10
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English 11 offers general, honors and Advanced Placement levels. General English 11 will allow students to expand their skills in the areas of reading, writing, listening, and speaking through the study of American Literature. The students will read major works including *The Crucible*, *The Great Gatsby*, *The Things They Carried* and *A Raisin in the Sun*. Major writing assignments will include a comparison/contrast paper, literary analysis paper, research paper, and poetry analysis. However, many other reading, writing, and speaking assignments will be required throughout the school year. Students are also encouraged to have a working knowledge of keyboarding and word processing skills.

356-359 English 11 Honors:	Year-long (4 quarters)	Grade 11	3 Credit	Prerequisite: "C" or better in English Class
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The focus of the Honors English 11 courses is to provide advanced and more independent work in literature that requires skilled analysis and criticism of works. Students will gain a better understanding of literary periods in American literature and use more advance analysis techniques such as archetypal analysis and literary lenses. Students are encouraged to have a working knowledge of keyboarding and word processing skills and a solid understanding of writing organization, grammar, usage, and mechanics. The major novels covered are *The Adventures of Huckleberry Finn*, *The Grapes of Wrath*, and *The Great Gatsby*. Major papers include a literary analysis, a comparison/contrast paper, and the researched paper. These vary from the general courses in length, depth, and attention to higher-level writing skills. Out of class writing is required. Many other writings will be required, and students have a speech requirement each quarter. Students will be expected to complete reading assignments outside of class and participate fully in class discussions. A "C-" (or above) average must be maintained in order to remain in this class.

Please note: *Students who sign up for honors/Pre-AP/AP classes and either choose to drop or do not maintain a C- or above average at the end of each quarter will be moved into regular English for the remainder of the year. Movement between levels throughout the year will not be allowed due to differentiation in curriculum between levels.

***Summer assignments required for this course.**

348-351 AP English Language and Composition	Year-long (4 quarters)	Grade 11	3 Credits	Prerequisite: "C" or better in English classes
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Advanced Placement Language and Composition provides high school students a chance to intellectually challenge themselves through reading, analyzing, and writing various kinds of analytic or persuasive essays on non-literary and literary topics. The course is meant to prepare students for success on the AP Exam and for effective reading and writing in college courses. It is for students who want an academically rigorous experience in developing intellectual confidence and superior reading and writing skills. The course will study American Literature as do all English 11 courses. A summer reading requirement (to be completed between 10th and 11th grade) is another major component of the class.

As stated by the College Board (who oversees the AP program), "An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. ***Summer assignments required for this course.**

Please note: *Students who sign up for honors/Pre-AP/AP classes and either choose to drop or do not maintain a C- or above average at the end of each quarter will be moved into regular English for the remainder of the year. Movement between levels throughout the year will not be allowed due to differentiation in curriculum between levels.

392 <u>Introduction to Theater</u>	Quarter	Grade 9 – 12	.75 Credit	Prerequisite: None
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This course provides the opportunity for students to meet the graduation standard requirement in Arts/Technical Arts. Students in the Class of 2008 and thereafter need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area. This class will give students a chance to experience all aspects of theater - from beginning acting to technical theater. Students will be performing individually and in groups. Both improvisational theater activities and “scripted” activities will be incorporated into the acting component of the class. Students will also learn about technical areas of the theater, such as lighting, make-up, costuming and set construction.

336 <u>Video Production I</u>	2 Quarters	Grades: 9 – 12	1.5 Credits	Prerequisite: None
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Students will learn the basics of the pre-production, production, and post-production process. This class plans and produces the student news show *Laker Shenanigans*. Upon successful completion of this course, students will be able to plan news story productions; use cameras to create a variety of shots and effects; use digital editing software to construct complete edited videos; and participate on a production crew to produce a live studio production. Students will be able to get a basic understanding of what a career in video production involves.

338 <u>Video Production II</u>	2 Quarters	Grades 10 – 12	1.5 Credits	Prerequisite: Video Production I and Department Approval
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Students in this course will build on their knowledge gained in the first level course. Upon successful completion of this course, students will be able to fully understand the production process; plan a variety of in-depth productions; write treatments, storyboards, and scripts; participate on a production crew to produce professional level work. Students in this class will produce a variety of different productions to give them a thorough understanding of what a career in video production involves. **Prerequisites include the successful completion of Video Production I (“B-” or above) and department approval.**

360 <u>Contemporary Fiction</u>	Quarter	Grade 11 – 12	.75 Credit	Prerequisite: None
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Contemporary Fiction is a highly individualized reading course that provides students with a general understanding of the elements of fiction and an opportunity to experience the unique characteristics of modern literature. The primary course objective is to give students exposure to enjoyable contemporary fiction and to guide them in interpreting meaning and appreciating style. This class will help students become effective, independent readers prior to vocational school or college.

361 <u>College Prep Grammar & Vocab - Hybrid</u>	Quarter	Grades 11 – 12	.75 Credit	Prerequisite: None
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This is designed for the student who is planning on pursuing his/her education in a post-high school setting. The basics of grammar and punctuation will be stressed on a daily basis. This course is a recommended prerequisite to A.P. Literature & Composition.

366 <u>Speech I</u>	Quarter	Grades 11 – 12	.75 Credit	Prerequisite: None
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This introductory course will give students the opportunity to gain confidence, fluency, and skill in the preparation and presentation of speeches. Students will develop an understanding of both basic communication principles and public speaking strategies through a variety of speaking assignments and delivery styles. The course stresses both verbal and nonverbal communication skills, research-based speech development, interpersonal communication skills, and active listening.

367 <u>Speech II</u>	Quarter	Grades 11 – 12	.75 Credit	Prerequisite: Speech I
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Speech II offers students the opportunity to continue developing their public speaking skills. In addition, students will study and practice incorporating the principles involved in more complex communication styles such as debate, persuasion, motivation, small group communication, and organizational communication.

370 <u>Journalism I-Hybrid</u>	Quarter	Grades 11 – 12	.75 Credit	Prerequisite: None
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Journalistic writing is non-fiction writing for publication; the ultimate goal of the class is that students will write publishable articles for the school newspaper. Students will polish skills of pre-writing, drafting, revising, and editing as they write news stories, feature stories, sports stories, editorials, captions and headlines. Other areas of emphasis include accuracy, objectivity, balance, unity, conciseness and style. Sentence structure, word use, grammar and punctuation are studied as needed. The ethical responsibilities of a journalist are covered in class, as are interviewing and note-taking skills.

378 <u>Mass Media</u>	Quarter	Grades 11 – 12	.75 Credit	Prerequisite: None
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Mass Media involves the study of the impact of various media including newspapers, magazines, radio, television, film, and the Internet. It also includes the study of First Amendment issues, propaganda, and advertising. Much of the work will be conducted through various articles and videos relating to the different areas of study. Classroom discussions about current issues in the media are a crucial part of this class, and each student is encouraged to contribute to these discussions. This is a non-traditional English class without a heavy emphasis on reading or writing. As a result, it is not meant to prepare students for the academic rigor of college. The class is designed for students who are interested in the media and its impact or influence on society.

384 <u>Humanities I</u>	Quarter	Grade 11 – 12	.75 Credit	Prerequisite: None
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The humanities are creative expressions - literature, drama, art, music and film. This course focuses on two themes: People create to find their purpose and identity; people create to establish their values. These themes will be introduced through a variety of literature, films, music and art. This course will focus on students own "Search for Identity" at the beginning of the quarter, and conclude with an introduction to a variety of themes and short units on different creative works, including current trends. The students will further develop an awareness and enjoyment of the humanities by attending a play or concert, visiting museums, viewing films and listening to music.

385 Humanities II	Quarter	Grade 11 – 12	.75 Credit	Prerequisite: Humanities I
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The humanities are creative expressions-literature, drama, art, music, and film. This course will be a continuation of Humanities I and go into further depth by examining and analyzing the purpose of artistic expression, the need for self-identity, and the establishment of values through the study of major works of film, music, literature, art, and photography. The course will conclude with a final, student presentation that demonstrates the two themes of humanities: People create to find their purpose and identity; people create to establish their values. The students will further develop an awareness and enjoyment of the humanities by attending a play or concert, visiting museums, viewing films and listening to music.

386 Creative Writing I-Hybrid	Quarter	Grade 11 – 12	.75 Credit	Prerequisite: None
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This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

This course provides students with creative writing experiences in different forms of expression. Students will write narratives, short stories, drama, poetry and other types of communication. Students will learn various writing techniques, forms and styles of creative expression.

387 Creative Writing II-Hybrid	Quarter	Grade 11 – 12	.75 Credit	Prerequisite: Creative Writing I
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This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

This course will continue building on creative writing skills established in Creative Writing I. Students will write narratives, short stories, drama, and poetry and will have the opportunity to individualize their coursework toward a specific area of interest if desired.

394 Advanced Theater	Quarter	Grade 9 – 12	.75 Credit	Prerequisite: Intro to Theater
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This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

This course takes up where Introduction to Theater class ends. The following components will be part of the class:
A. Theater warm-ups, games and additional theory (more study into theories of acting than are covered in the introductory class).
B. Prepare and perform two contrasting monologues. The performances will be memorized and suitable for college or other theater auditions.
C. Fundamentals and theory behind effective blocking.
D. Analyze a full-length play and how it could be staged and the group performance of a scene from it (including technical elements).

364-366	<u>English 12</u>	2 Quarters	Grade 12	1.5 Credits	Prerequisite: None
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English 12 is a two quarter class that will provide students the opportunity to develop their writing, reading, and speaking skills. This class will provide additional support for students preparing for college and career readiness. Students will work on specific writing skills on an individual basis. Assignments will include short responses, class discussions, and written analysis. In addition, students will experience a variety of non-fiction and fiction texts to improve reading skills and analytical thinking skills.

380	<u>College Prep Composition-Hybrid</u>	2 Quarters	Grade 12	1.5 Credits	Prerequisite: "C" or better in English classes
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This hybrid course, specifically designed for the college-bound student, is a rigorous, concentrated experience of analytical writing. Its intention is to give students a glimpse of the rigor that will be expected at the college level. After a brief review of basic writing strategies, students will focus on development, analysis, style, critical theories, and critical thinking skills. Revision and high standards will be stressed and demanded. Emphasis is placed on Standard English. Sentence structure, word use, punctuation and grammar will be practiced and mastered. Special attention will be given to source documentation. This class is strongly suggested **ONLY** for students planning to attend college. Students who register for Advanced Placement should **NOT** register for this class. College Prep Grammar & Vocabulary is highly recommended prior to taking this course. ***Students must have frequent, dependable internet access as the class is a hybrid of classroom and online learning. In addition, students must pass the first quarter of the class in order take the second quarter. Prerequisite includes a C or above in English.**

388	<u>College Prep Literature –Hybrid</u>	2 Quarters	Grade 12	1.5 Credits	Prerequisite: "C" or better in English classes
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This hybrid course is designed to provide a reading experience for above-average English students who wish to prepare for college expectations in literature. The primary objective of the course is to introduce students to major literary contributions by important foreign and American writers, past and present including William Shakespeare. Another objective is to acquaint students with various types of literature and to provide an understanding of certain terms and concepts which will aid in the interpretation of specific literary works. Students will analyze literature through critical lenses and use critical thinking skills. This course is suggested for students planning to enter college. College Prep Grammar & Vocabulary and College Prep Composition are highly recommended prior to taking this course. ***Students must have frequent, dependable internet access as the class is a hybrid of classroom and online learning. In addition, students must pass the first quarter of the class in order take the second quarter. Prerequisite includes a C or above in English.**

395-398 Advanced Placement: Literature & Composition

Year-long (4 quarters) Grade 12 3 Credits

Prerequisite: "C" or better in English class

This is a college level class which offers students experiences in the reading of selected, challenging literary works of recognized merit. Students will study works from various periods and types. Through each study, students will sharpen their awareness of language and their understanding of the writer's craft. Students will also develop critical standards for the analysis and appreciation of any literary work. This course also provides students with experiences in writing critical analyses of literature. Students will practice writing in expository, narrative, persuasive, argumentative and creative styles. Students will also learn the basic techniques used in writing a research paper and then will apply these techniques by completing a research paper. Students completing this course may qualify for college credit and/or advanced placement by taking the College Board (CEEB) AP test in May. College Prep Grammar & Vocabulary is highly recommended prior to taking this course.

Please note: *Students who sign up for honors/Pre-AP/AP classes and either choose to drop or do not maintain a C- or above average at the end of each quarter will be moved into regular English for the remainder of the year. Movement between levels throughout the year will not be allowed due to differentiation in curriculum between levels.

***Summer assignments required for this course.**

WORLD LANGUAGE COURSES

The World Language Department offers a sequence of courses in American Sign Language, French, German, and Spanish. Studying world languages is beneficial for students, whether they decide to continue their education, enter the workforce, or travel. Students will acquire skills and strategies that open doors to greater opportunities in today's global society, and they also will gain personal enrichment, cultural understanding and literacy, improved knowledge of their own language, and opportunities for meaningful activities such as travel.

Semester credits earned through successful completion of world language courses apply to general elective credits needed to earn a high school diploma. Taking these courses will provide a solid basis for advanced language study. Although the study of world languages is not required for high school graduation, most post-secondary schools have admission guidelines which include world language study; many colleges now require two to three years of study in the same language. Students should check with their guidance counselors or the Career Center for information about specific colleges and universities.

To enroll in Level I of the language, students must have a "C" average or better in English or permission from the World Language department. During the school year, students who do not attain a passing grade in Quarters 1, 2, or 3 may be withdrawn from the course for the duration of the school year. Students must have a "C" average or better or permission of the World Language department to enroll in the next level of that language.

Course Sequence for World Languages

French Courses				
Credit	Course #	Title	Prerequisite	Offered
Year	409-412	French I	"C" or better in current English class or Staff permission	9-12
Year	423-426	French II	"C" or better in French I	9-12
Year	448-451	French III	"C" or better in French II	9-12
Year	468-471	CIS French IV	"C" or better in French III	11-12
Year	None at this time	CIS French V	This course will not be offered until the 2018/2019 school year	11-12
German Courses				
Credit	Course #	Title	Prerequisite	Offered
Year	405-408	German I	"C" or better in current English class or Staff permission	9-12
Year	431-434	German II	"C" or better in German I	9-12
Year	456/458	German III	"C" or better in German II	9-12
Year	464-467	S2S German IV	Meet PSEO eligibility requirements or have staff permission	11-12
Year	None at this time	S2S German V	This class will not be offered until the 2018/2019 school year	11-12
Spanish Courses				
Credit	Course #	Title	Prerequisite	Offered
Quarter	480	Medical Spanish	"C" or better in Spanish II	9-12
Year	401-404	Spanish I	"C" or better in current English class or Staff permission	9-12
Year	427-430	Spanish II	"C" or better in Spanish I	9-12
Year	452-455	Spanish III	"C" or better in Spanish II	9-12
Year	460-463	Spanish IV	"C" or better in Spanish III	9-12
Year	481-484	Concurrent Enrollment Spanish IV	Meet PSEO eligibility requirements	11-12
Year	472-475	Concurrent Enrollment Spanish V	Meet PSEO eligibility requirements	11-12
Year	476-479	AP Spanish Literature	"C" or better in Spanish V	11-12
Year	485-488	Spanish VI-Advanced Conversation and Culture	Must have completed Spanish V or have teacher approval	11-12
American Sign Language				
Credit	Course #	Title	Prerequisite	Offered
Year	436-439	American Sign Language 1 & Deaf Culture	None	9-12
Year	440-443	American Sign Language 2 & Deaf Culture	American Sign Language 1	9-12

FRENCH

409-412 French I	Year-long (4 quarters)	Grades 9 – 12	3 Credits
Prerequisite: “C” or better in current English classes or staff permission			

This year-long course introduces the student to the French language through active participation and the textbook *Bien dit*. The student develops skills in listening, speaking, reading and writing, as well as a beginning understanding of basic grammar. The student will demonstrate an introductory knowledge of French-speaking cultures and customs.

423-426 French II	Year-long (4 quarters)	Grades 9 – 12	3 Credits
Prerequisite: “C” or better in French I			

This year-long course builds on the Level I introduction to the French language through active participation and the text *Bien dit*. Level II students are challenged to move beyond simple patterns in language communication. The students will develop intermediate grammar skills, increase their vocabulary base, and learn more about francophone countries and cultures.

448-451 French III	Year-long (4 quarters)	Grades 9 – 12	3 Credits
Prerequisite: “C” or better in French II			

This course, conducted primarily in French, continues the progressive development of the four language skills of communication. Students will continue using the *Bien dit* series to develop more intermediate proficiency in French. In addition, students will explore authentic sources from French newspapers, internet sites, magazines, short stories, and films. Students will also study intermediate grammar in the textbook and apply it in conversations and in writing. Finally, students will do more in-depth study of the francophone world.

468-471 CIS French IV	Year-long (4 quarters)	Grades 11 – 12	3 Credits
Prerequisite: “C” or better in French III			

This year-long course, conducted primarily in French, continues the progressive development of the four language skills of communication. Students will earn 5 University of Minnesota credits for successful completion of this weighted course. It is the equivalent of French 1003 at the University of Minnesota. Students will study advanced grammar and apply it in conversations, in reading, and in writing. Students will do more in-depth study of contemporary life in France and in the Francophone world. Students will use the textbook *Deux Mondes*, and read the novel *Le Petit Prince*. Finally, students will have the opportunity to visit the University of Minnesota and French classes there, as a class field trip.

??? CIS French V: College in the Schools	Year-long (4 quarters)	Grades 11 – 12	3 Credits
Prerequisite: “C” or better in French IV			

PLEASE NOTE: THIS CLASS WILL NOT BE OFFERED UNTIL THE 2018/2019 SCHOOL YEAR

This year-long college-level course, conducted primarily in French, continues the progressive development of the four language skills of communication. This course is the equivalent of French 1004 at the University of Minnesota. Students will earn five University of Minnesota credits for successful completion of this course. Students will study advanced grammar and apply it in conversations, in reading, and in writing. Students will do more in-depth study of French and Francophone culture and current events. Students will use the textbook *Ouvertures: Cours intermédiaire de français*, 4th ed.; Holt, Rinehart and Winston. Finally, students will have the opportunity to visit the University of Minnesota and French classes there, as a class field trip.

Students enrolling in French 5/ FREN 1004 must be juniors or seniors in high school and have completed French 4/ French 1003 with a C- or better. Course Outcomes/Standards: Meets National and State Educational Standards

GERMAN

405-408 <u>German I</u>	Year-long (4 quarters)	Grades 9 – 12	3 Credits
Prerequisite: "C" or better in current English classes or staff permission			

This course introduces students to the German language through comprehensible input and storytelling. Our method is based on the research of Dr. Stephen Krashen and Blaine Ray. It is called Teaching Proficiency through Reading and Storytelling (TPRS). The students will acquire German by listening and reading for comprehension. They will demonstrate their understanding through writing and retelling of stories. The students will acquire an introductory knowledge of German speaking cultures and customs through the content of the stories. In the target language, the teacher introduces the outline of a story and asks students to provide the details. The teacher solicits student responses by asking questions, thus continually recycling both the vocabulary and the target grammar. The student's answers build the story. Students are encouraged to be creative.

431-434 <u>German II</u>	Year-long (4 quarters)	Grades 9 – 12	3 Credits
Prerequisite: "C" or better in German I			

This course continues German language growth through comprehensible input and storytelling. Our method is based on the research of Dr. Stephen Krashen and Blaine Ray. It is called Teaching Proficiency through Reading and Storytelling (TPRS). The students will acquire more complex language skills by listening and reading for comprehension. They will demonstrate their understanding through writing and speaking. The students will expand their knowledge of German speaking cultures and customs through the content of the stories. In the target language, the teacher introduces the outline of a story and asks students to provide the details. The teacher solicits student responses by asking questions, thus continually recycling both the vocabulary and the target grammar. The student's answers build the story. Students are encouraged to be creative.

456-460 <u>German III</u>	Year-long (4 quarters)	Grades 9 – 12	3 Credits
Prerequisite: "C" or better in German II			

This year-long course continues to be taught through comprehensible input in German, with a focus on the grammatical structures in the language. Our method is based on the research of Dr. Stephen Krashen and Blaine Ray. It is called Teaching Proficiency through Reading and Storytelling (TPRS). The primary tool for encouraging language acquisition is skillful questioning and classroom conversations. Short novels and current event articles are used to promote comprehension of German and to advance students language skills. Students are building their language skills by writing short narratives based on the novels or articles covered in class. Speaking is encouraged by asking creative questions and combining new and previously learned vocabulary

464-467 <u>S2S German IV</u>	Year-long (4 Quarters)	Grades 11 – 12	3 Credits
Prerequisite: Meet PSEO eligibility requirements			

4 Credits Prerequisite: Meet PSEO eligibility requirements

German Senior to Sophomore (S2S) is offered as part of College in the Schools-type program. This PLHS program is administered by St Cloud State University and students have the opportunity to earn college German credits that may be accepted for general education credit by many Minnesota colleges and universities. This year-long, weighted course follows the curriculum of German 102 offered as semester courses at SCSU. Students will attend class at PLHS, but earn 4 credits through SCSU.

Students will receive a college transcript at the end of this course. These credits may be accepted by many colleges and universities as a general German or elective credit. Juniors in the top 1/3 of their class and seniors in the top 1/2 of their class are eligible to participate in this course. If students do not meet these PSEO requirements they can still take the course but not receive college credit. We will offer an opportunity to take the German AP test at the end of the year for any student interested.

This year-long course, conducted in German, continues the progressive development of the four language skills of communication (listening, speaking, reading, and writing). Students will develop language skills by reading from authentic sources (such as newspapers, poems, short stories, and novels) and by increasing composition techniques. The student will review the grammatical concepts already learned in German I through III, understand and use more advanced grammar, and demonstrate knowledge of German cultures and history.

??? S2S <u>German V</u>	Year-long (4 Quarters)	Grades 11 – 12	3 Credits
Prerequisite: Meet PSEO eligibility requirements			

PLEASE NOTE: THIS CLASS WILL NOT BE OFFERED UNTIL THE 2018/2019 SCHOOL YEAR

4 Credits Prerequisite: Meet PSEO eligibility requirements

German Senior to Sophomore (S2S) is offered as part of College in the Schools-type program. This PLHS program is administered by St Cloud State University and students have the opportunity to earn college German credits that may be accepted for general education credit by many Minnesota colleges and universities. This year-long, weighted course follows the curriculum of German 201 offered as semester courses at SCSU. Students will attend class at PLHS, but earn 4 credits through SCSU.

Students will receive a college transcript at the end of this course. These credits may be accepted by many colleges and universities as a general German or elective credit. Juniors in the top 1/3 of their class and seniors in the top 1/2 of their class are eligible to participate in this course. If students do not meet these PSEO requirements they can still take the course but not receive college credit. We will offer an opportunity to take the German AP test at the end of the year for any student interested.

This year-long course, conducted in German, continues the progressive development of the four language skills of communication (listening, speaking, reading, and writing). Students will develop language skills by reading from authentic sources (such as newspapers, poems, short stories, and novels) and by increasing composition techniques. The student will review the grammatical concepts already learned in German I through IV, understand and use more advanced grammar, and demonstrate knowledge of German cultures and history.

401-404 <u>Spanish I</u>	Year-long (4 quarters)	Grades 9 – 12	3 Credits
Prerequisite: "C" or better in current English classes or staff permission			

This year-long course introduces students to the Spanish language through comprehensible input and storytelling. Our method is based on the research of Dr. Stephen Krashen and Blaine Ray. It is called Teaching Proficiency through Reading and Storytelling (TPRS). The students will acquire Spanish by listening and reading for comprehension. They will demonstrate their understanding through writing and retelling of stories. The students will acquire an introductory knowledge of Spanish speaking cultures and customs through the content of the stories. In the target language, the teacher introduces the outline of a story and asks students to provide the details. The teacher solicits student responses by asking questions, thus continually recycling both the vocabulary and the target grammar. The student's answers build the story. Students are encouraged to be creative.

427-430 <u>Spanish II</u>	Year-long (4 quarters)	Grades 9 – 12	3 Credits
Prerequisite: "C" or better in Spanish I			

This course builds on the Level I introduction to the Spanish language through active participation and the text *Avancemos 2*. Much of the class is conducted in Spanish, challenging students to move beyond simple patterns and increasing the four language skills of communication (listening, speaking, reading, and writing). The student will develop intermediate grammar skills and demonstrate knowledge of Hispanic culture and customs.

452-455 <u>Spanish III</u>	Year-long (4 quarters)	Grades 9 – 12 Prerequisite: "C" or better in Spanish II	3 Credits
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This course, conducted almost entirely in Spanish, continues the progressive development of the four language skills of communication (listening, speaking, reading, and writing). In addition to the text *Avancemos 3* and various readings, the student will read and discuss novelettes written in Spanish. The student will be challenged to understand and use intermediate grammar and to demonstrate an intermediate knowledge of Hispanic culture and customs.

460-463 <u>Spanish IV</u>	Year-long (4 quarters)	Grades 9 – 12 Prerequisite: "C" or better in Spanish III	3 Credits
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This year-long course, conducted primarily in Spanish, continues the progressive development of the four language skills of communication (listening, speaking, reading, and writing) based on the text, *Avancemos 4*. Students will read from authentic sources such as poems, short stories, and a novel, and then will have discussions and do written activities based on these reading selections. The students will be challenged to understand and use intermediate grammar and to demonstrate a knowledge of Hispanic culture with an emphasis on the culture of Hispanics living in the United States. Successful completion of this course may provide the opportunity to “test into” an upper-level university Spanish course. Some universities may grant credit based on the entrance proficiency test.

481-484 Concurrent Enrollment <u>Spanish IV</u>	Year-long (4 quarters)	Grades 11 – 12 Prerequisite: Meet PSEO eligibility requirements	3 Credits
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Concurrent Enrollment Spanish IV is offered as part of a College in the Schools-type program. This PLHS program is administered by MSU Mankato, and students have the opportunity to earn college Spanish credits that may be accepted for general education credit by many colleges and universities. This year-long, weighted course follows the curriculum of Spanish 102 offered as a semester course at MSUM. Students will attend class at PLHS, but earn 4 semester credits through MSUM.

Students will receive a college transcript at the end of this course. These credits may be accepted by many colleges and universities as a general Spanish or elective credit. Juniors in the top 1/3 of their class and seniors in the top ½ of their class are eligible to participate in this course.

This year-long course, conducted in Spanish, continues the progressive development of the four language skills of communication (listening, speaking, reading, and writing). Students will develop language skills by reading from authentic sources (such as websites and novels) and by increasing composition techniques. The student will review the grammatical concepts already learned in Spanish I through III, understand and use more advanced grammar, and demonstrate knowledge of Hispanic culture and history.

472-475 Concurrent Enrollment Spanish V

Year-long (4 qtrs.)

Grades 11 – 12

3 Credits

Prerequisite: Meet PSEO eligibility requirements

Concurrent Enrollment Spanish V is offered as part of College in the Schools-type program. This PLHS program is administered by Minnesota State University, Mankato and students have the opportunity to earn college Spanish credits that may be accepted for general education credit by many Minnesota colleges and universities. This year-long, weighted course follows the curriculum of Spanish 201 and 202 offered as semester courses at MSUM. Students will attend class at PLHS, but earn 4 credits per semester through MSUM.

Students will receive a college transcript at the end of this course. These credits may be accepted by many colleges and universities as a general Spanish or elective credit. Juniors in the top 1/3 of their class and seniors in the top ½ of their class are eligible to participate in this course.

This year-long course, conducted in Spanish, continues the progressive development of the four language skills of communication (listening, speaking, reading, and writing). Students will develop language skills by reading from authentic sources (such as newspapers, poems, short stories, and novels) and by increasing composition techniques. The student will review the grammatical concepts already learned in Spanish I through IV, understand and use more advanced grammar, and demonstrate knowledge of Hispanic cultures and history.

485-488 Spanish VI: Advanced Conversation and Culture

Year-long (4 quarters)

Grades 11 – 12

3 Credits

Prerequisite: Must have completed Spanish V or have teacher approval

This year-long course, conducted solely in Spanish, continues the progressive development of the four language skills of communication (listening, speaking, reading, and writing) while using a variety of authentic resources. Topics will include, but not be limited to, art, film, history, music, and current events. Students will develop an insight into language acquisition, the nature of language, and the impact of culture on language. Having completed Spanish VI: Advanced Conversation and Culture, students can expect to be able to discuss comfortably a broad range of topics as well as to read and write a variety of texts and genres. This course helps students to put into practice all of the topics covered in levels 1-5 as well as build proficiency in the target language through discussion of multiple cultural topics, current events and incorporating a variety of real-life examples in order to survive in a variety of scenarios in the Spanish speaking world. Students practice and refine their skills through oral and written exercises designed to reinforce the vocabulary and grammar already learned. In addition, students' knowledge of the language will deepen in the areas of communication, culture, connections, comparisons and communities which are part of the ACTFL (American Council on the Teaching of Foreign Languages) outcomes.

476-479 AP Spanish: Literature and Culture

Year-long (4 quarters)

Grades 11 – 12

3 Credits

Prerequisite: C or better in Spanish V or teacher approval

The AP® Spanish Literature and Culture course is designed to provide students with a learning experience equivalent to that of a college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The overarching aims of the course are to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills — with special attention to critical reading and analytical writing. A key objective of the course is to encourage students not only to understand and retell the content of the texts they read but also to relate that content to literary, historical, sociocultural, and geopolitical contexts in Spanish. Students completing this course may qualify for college credit and/or advanced placement by taking the College Board AP test in May.

480 Medical Spanish

Quarter

Grades 9-12

.75 Credit

Prerequisite: C or better in Spanish II

This is a quarter-long course designed to give students an opportunity to expand on their current Spanish knowledge. Students will study several topics in regard to health and well-being, including sleep, exercise, diet, common illnesses, emergencies, and more. The vocabulary will help any student planning to travel abroad to Spanish-speaking countries with communicating their needs, especially if they should fall ill or have an emergency medical situation. This course is also great for students thinking of entering a medical profession because students learn about some diseases, symptoms and medications. Following the course, the student will be able to: use basic health and medical vocabulary, describe their symptoms and pains, converse with a health care provider, and understand basic medical practices. The course is primarily focused on building vocabulary and communication skills, along with learning about Hispanic culture and customs in regard to medicine and health.

AMERICAN SIGN LANGUAGE

American Sign Language Year Long (4 Quarters) Grades 9-12 3 Credits Prerequisite: None
 AMERICAN SIGN LANGUAGE American Sign Language (ASL) is a visual non-verbal language used by Deaf, Hard of Hearing, Deaf-Blind and Hearing people of all ages in the United States and some parts of Canada. ASL is not a Universal sign language spoken throughout the world but has influences on other sign languages from other countries. American Sign Language is derived from French Sign Language and homogeneous language, and is now the third most commonly used language in the United States. ASL is both a complex language with its own distinct grammatical structure which, contrary to popular belief, is not similar to English syntax. ASL provides national opportunities for employment with professional career advancement in Human Services, Deaf Education and Interpreting. ASL also offers a rich history in technological innovation, literature, art and film.

436-439 American Sign Language 1 & Deaf Culture

Year Long (4 Quarters)

Grades 9-12 3 Credits

Prerequisite: None

This course is the first course of a sequence in American Sign Language (ASL) and Deaf Culture. In ASL 1, students learn the basics of communicating with native ASL-users. Emphasis on Receptive and Expressive readiness activities, sign vocabulary, grammatical structure, receptive and expressive fingerspelling, and various cultural and historical aspects of the deaf community and cultural norms and practices will be explored. Specific learning target goals for Level One ASL students will be: 1.) learning to introduce oneself and others, 2.) Asking questions and giving responses to those questions, 3.) exchanging personal information, 4.) discussing living situations, 5.) talking about family, and 6.) telling about daily activities. Building upon literacy will also be a focus of this course through reading of different small novels related to ASL, the Deaf community, and Deaf Culture.

440--443 American Sign Language 2 & Deaf Culture

Year Long (4 Quarters)

Grades 9-12 3 Credits

Prerequisite: American Sign Language 1

This course is the second course of a sequence in American Sign Language (ASL) and Deaf Culture. In ASL 2, students learn advanced communication skills in American Sign Language. In-depth emphasis and analysis of ASL grammar, along with cultural and historical information will be explored throughout the year. Students will continue to build their ASL skills in socialization with and among native ASL-users. Specific learning target goals for Level TWO ASL students will be: 1.) identifying and describing people, 2.) discussing and describing community, 3.) making in-depth requests and asking for advice, 4.) asking and giving opinions, 5.) discussing abilities/plans/personal goals. Continuation of building upon literacy will also be a focus of this course through the reading of different small novels related to ASL, the Deaf community, and/or Deaf Culture.

FAMILY & CONSUMER SCIENCE COURSES

Foods and Nutrition				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter	601	Culinary Skills	None	9-12
Quarter	604	Good Eats	None	9-12
Quarter	605	Creative Foods	None	9-12
Quarter	606	Science in the Kitchen	None	9-12
Quarter	640	Regional Foods	None	9-12
Quarter	649	Laker Catering	None	10-12

Child Development				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter	608	Preschool Child	None	9-12
Semester	621	PALS Register for either: Quarters 1 & 2 or Quarters 3 & 4	None	10-12
Quarter	646	Parenting	None	10-12

Textiles and Design				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter	643	Sewing for Everyone	None	9-12
Quarter	614	Interior Design I	None	9-12
Quarter	616	Fashion Design	None	9-12

Career and Real World Experience				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	OFFERED
Quarter	652	Freshmen Transitions	None	9
Quarter	626	Independent Living and Career Choices	None	10-12
Quarter	627	Independent Living Online	None	10-12

FAMILY & CONSUMER SCIENCE

601 Culinary Skills Quarter Grades 9 – 12 .75 Credit Prerequisite: None

If you want to learn to cook, this is the class for you! This is an introductory course covering the study of food preparation and food science. Basic culinary techniques will be explained and practiced. Labs will allow the student to learn about kitchen basics and to prepare various foods. Units of study will include kitchen safety and sanitation, measurement, cooking terminology, knife skills, yeast breads, quick breads, and protein cooking with meat, eggs and dairy products.

604 Good Eats Quarter Grades 9 – 12 .75 Credit Prerequisite: None

What are your favorite foods? Have you thought about how you can make these foods healthier? Current trends in the foods we eat and exploring ways to make healthy choices will be the focus of this class. In this course students will learn about basic kitchen essentials: food safety and sanitation, measuring techniques, and food preparation techniques. Units of study will include: foods that focus around breakfast, lunch, and dinner; healthy snacks; convenience foods; fad diets and vegetarian meals.

605 Creative Foods Quarter Grades 9 – 12 .75 Credit Prerequisite: None

What makes food look appealing to you? Have you ever wondered how to make food not only taste good, but look good, too? This cooking course focuses on professional preparation techniques and the restaurant industry. The student will learn how to put creativity into food preparation. Units of study in this course include appetizers, main dishes, side dishes, desserts, and the presentation of food. Labs will focus on specialized preparation techniques. Students will learn skills that will enable them to create fun, beautiful foods.

606 Science in the Kitchen Quarter Grades 9 – 12 .75 Credit Prerequisite: None

This course provides students with opportunities to participate in a variety of activities including food and science laboratory work. This is an interdisciplinary science course that integrates biology, chemistry, physics, and microbiology in the context of foods, and the global food industry. Students enrolled in this course will formulate, design, and carry out food based laboratory procedures and field investigation. Throughout the course, students will develop a growing understanding of how scientific principles apply to the composition of foods, the nutrition value of foods, food product development, food processing, food safety and sanitation, food packaging, and food storage. Students completing this course will be able to apply the principles of scientific inquiry to solve problems related to biology, physics, and chemistry in the context of highly advanced industry applications of foods.

640 Regional Foods Quarter Grades 9 – 12 .75 Credit Prerequisite: None

What would you eat if you lived in another part of the country? How has the past influenced what we eat today? When traveling across the United States, think of the variety of foods you can enjoy. The foods and preparation techniques covered in this class are unique and distinct to each region of the United States. This course covers cultural awareness and food customs of these many different regions. Students will participate in food preparation and sampling of a variety of foods characteristic of each of the regions.

649 Laker Catering	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: None
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Have you ever thought of owning your own business? Do you watch Top Chef or Ace of Cakes? Are you good at planning and organizing? In Laker Catering, students will have an opportunity to start and operate a catering business. They will experience all aspects of running a food service business. Hands-on learning will include product development, menu planning, promotion and packaging, food preparation, pricing, and customer service. The catering business will be serving adults within the high school and groups within the Prior Lake and Savage communities. Come on board for this venture!

608 <u>Preschool Child</u>	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: None
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Here is an opportunity to work with preschoolers on a weekly basis. Students will operate a play school for children ages 3 to 5 years old. The course work involves studying physical, emotional, social and intellectual development of young children. In the play school, high school students conduct lessons, stories, games, music and art projects with the children and prepare a case study portfolio on one preschooler. The skills learned in this class can be transferred to any career related to young children. Students who plan to pursue careers involving children such as education, child psychology, recreation, counseling, child care, or those who just enjoy working with and learning about them, should take this course.

621 PALS - HYBRID	Quarters 1 & 2 (2 quarters)	Grades 10 – 12	1.5 Credits
	Quarters 3 & 4		Prerequisite: None

Do you enjoy working with elementary aged children? Have you ever thought about becoming a teacher? In this class you will be paired up with children from the elementary schools and will work with them a minimum of two hours per week. You will need to provide your own transportation, or ride with another student, to and from the elementary schools on your two hybrid days. In your role as a mentor, you will provide one-to-one opportunities for at-risk students to interact with a positive role model and learn social skills. As a student in the class you will experience growth through strengthened understanding of child development, the satisfaction of helping others and being a good role model, and an opportunity to develop leadership skills. This is a wonderful opportunity for service learning.

646 Parenting	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: None
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Parenting is a course designed to provide knowledge about decisions regarding parenthood and the skills needed to perform parental responsibilities effectively. In this course students will study the growth and development of children from conception to age three. Topics include parenting readiness, guidance and discipline, and raising healthy children. Students will participate in a parenting simulation using the computerized “Baby Think It Over” babies. A \$50.00 refundable deposit is required prior to the student taking home the computerized baby.

643 Sewing for Everyone	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: None
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This course will feature basic sewing and garment construction techniques such as layout and cutting of patterns and fabrics, sewing of seams and darts, applying interfacing and hemming techniques. Technical abilities will be enhanced through the use of sewing machines, sergers and embroidery machines. Students will construct a minimum of two construction projects during the course. Students will gain technical and problem-solving skills through the reading of patterns and construction of garments. This course is recommended for anyone pursuing a career in fashion design, merchandising and retailing.

614 Interior Design I

Quarter

Grades 9 – 12

.75 Credit

Prerequisite: None



Does design interest you? Have you ever wondered how to turn your ideas into good design? Through this course students gain an understanding of the elements and principles of design. Students will learn to make appropriate selections of colors, fabrics, furnishings, lighting and furniture in several design projects and floor planning. Class projects include decorating sample rooms and designing floor plans. This course meets the graduation requirement in Fine Arts. This course provides the opportunity for students to meet the graduation standard requirement in **Fine Arts**.

616 Fashion Design

Quarter

Grades 9 – 12

.75 Credit

Prerequisite: None



This course provides the opportunity for students to meet the graduation standard requirement in **Fine Arts**. Have you ever thought about designing your own clothing line? Do you enjoy fashion, clothing and retail? Then enter the world of fashion - study design, color, current fashion trends and analyze fashion merchandising from a design concept to sales. You will study and incorporate the elements and principles of design by creating your very own clothing line by the end of the quarter as well as pick up on tips and tricks of the fashion world! The ability to sketch is not a requirement, we can teach you how, so take fashion and you might just become the next big fashion designer!

652 Freshmen Transitions

Quarter

Grade 9

.75 Credit

Prerequisite: None

Freshman year of high school is a critical year for students. During this year, students are asked to make decisions about academics that will prepare them for their future. Through this class, students will explore a variety of personal, social, educational and career decisions while learning life skills that will help them build a successful start to their high school experience. Units of study will include getting to know Prior Lake High School, study skills, goal setting, decision making and 21st Century Skills such as life and career skills, learning and innovation skills and digital literacy skills needed when they leave high school. Students will create a complete 4-year plan using the course registration guide and their interests as well as explore career options for their future.

626 Independent Living and Careers

Quarter

Grades 10 - 12

.75 Credit

Prerequisite: None

Do you plan on living with your parents forever? Are you ready to live on your own? This course is designed to prepare you for an independent life and future. Topics covered in this course include: career investigation, taxes, insurance, money management and budgeting, and renting/leasing apartments and cars. Students will be given the opportunity to participate in an online budgeting simulation on the "On Your Own" budgeting app. They will also dedicate a portion of the quarter to learning about themselves (i.e: heredity, personalities, families, love, divorce, self-esteem and self-image) to increase their knowledge and skills of interpersonal relationships.

627 Independent Living - Online

Quarter

Grades 10 - 12

.75 Credit

Prerequisite: None

Do you plan on living with your parents forever? Are you ready to live on your own? This course is designed to prepare you for an independent life and future. Topics covered in this course include: career investigation, taxes, insurance, money management and budgeting, and renting/leasing apartments and cars. Students will be given the opportunity to participate in an online budgeting simulation on the "On Your Own" budgeting app. They will also dedicate a portion of the quarter to learning about themselves (i.e: heredity, personalities, families, love, divorce, self-esteem and self-image) to increase their knowledge and skills of interpersonal relationships. This course will be done completely online with weekly check-ins and assignments. The materials covered will be the same as a face-to-face course and the teacher will be available to answer any questions students may have.

INDUSTRIAL TECHNOLOGY COURSES

Pre-Engineering – Project Lead the Way				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Yearlong	787-790	Intro. To Engineering Design I and II	See class description	9-12
Yearlong	791-794	Principles of Engineering I and II	See class description	9-12
Yearlong	795-798	Civil Engineering & Architecture	See class description	9-12
Quarter	799	Introduction to Robotics	No Prerequisite	9-12
Automotive				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Quarter	751	Auto 1	None	10-12
Quarter	755	Auto 2	Auto 1	10-12
Quarter	783	Auto Body	None	10-12
Drafting/Computer Aided Drafting				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Quarter	717	Computer Aided Drafting (CAD 1)	None	9-12
Quarter	718	Computer Aided Architecture (CAD2)	CAD 1	9-12
Quarter	800	Project DIY for Women	None	9-12
Electronics				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Quarter	766	Electricity 1	None	9-12
Fab Lab				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Semester	771	FabLAB 1: Innovations, INC.	None	10-12
Semester	773	FabLAB 2: Innovations, INC. Open for Business	FabLAB 1	10-12
Year Long	801	Advanced Manufacturing	1 IT Course	10-12
Metals				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Quarter	704	Metals 1	None	9-12
Quarter	739	Metals 2	Metals 1	9-12
Quarter	707	Metals 3	Metals 1	9-12
Semester	802	Applied Math & Manufacturing	None	9-12
Power				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Quarter	720	Small Gas Engines	None	9-12
Quarter	722	Small Gas Engines 2	Small Gas Engines	9-12
Woods and Construction				
CREDIT	COURSE #	COURSE TITLE	PREREQUISITE	GRADES
Quarter	701	Woods 1	None	9-12
Quarter	724	Woods 2	Woods 1	9-12
Quarter	727	Woods 3	Woods 1	9-12
Quarter	760	Woods 4	Woods 1	9-12
Quarter	786	General Home Maintenance	None	9-12
Quarter	758	Basic Building Construction	Woods 1	9-12

Industrial Technology Curriculum

- Though enrollment in Industrial Technology courses has been predominately male over the years, all Industrial Technology courses are gender neutral. All students are encouraged to enroll in a variety of courses to explore and/or start career pathways related to engineering and technology under the STEM initiative.
- Students are responsible for providing their own safety glasses and are expected to wear them in all lab activities. Safety glasses may be purchased at the school store or from a variety of local stores.
- Students will have a choice of projects in many of these courses and will need to cover the costs incurred for materials consumed in their take home projects.
- Safe and secure project storage will be provided by the Industrial Tech. Department. The school district does not carry insurance for private property that students bring to school. In the event of damage or theft of private property brought to school, compensation will have to be obtained through existing homeowners or automobile insurance.

New IT Courses for 2017-2018:

- Project DIY for Women (Quarter)
- Advanced Manufacturing (Year Long)
- Applied Math & Manufacturing (Semester)

Pre-Engineering

Project Lead the Way Program (PLTW) - A state and nationally recognized engineering education curriculum.

Pathway To Engineering (PTE) - Prior Lake School District has joined the Project lead the Way program and is now offering the PTE Curriculum. The Industrial Technology Department began offering Introduction to Engineering Design (IED) in 2010-2011. Next year the I.T. Department will begin offering Principles of Engineering (POE) and Civil Engineering and Architecture (CEA). Two additional courses are scheduled to be added in the next two years. Students and Parents are encouraged to visit the PLTW website for more detailed information: www.pltw.org. Students may register to take an individual course or up to four complete courses.

787/788 Introduction to Engineering Design I	2 Quarters	Grade 9-12	1.5 Credits	Prerequisite: None
789/790 Introduction to Engineering Design II	2 Quarters	Grade 9-12	1.5 Credits	Prerequisite: IED I



This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter will need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

This first year, two semester course, requires students to use 3D solid modeling software (Autodesk Inventor) to help design solutions to proposed problems. Student will learn how to document their work in an engineering notebook and communicate solutions to peers and members of the professional community using solid models, presentations and drawing files. The major focus of the IED course is to expose students to the design and problem solving process. Students are introduced to the concepts of innovation and invention. Other points of focus include research and analysis, teamwork, global and human impacts, engineering standards, and technical documentation. Space is limited to 25 students.

791/792 Principles of Engineering I	2 Quarters	Grade 10-12	1.5 Credits	Prerequisite: IED
793/794 Principles of Engineering II	2 Quarters	Grade 10-12	1.5 Credits	Prerequisite: POE



This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter will need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

Principles of Engineering (POE) – This second year Pathway To Engineering course gives students the opportunity to explore technology systems and manufacturing processes to find out how math, science, and technology are integrated into the solutions to problems. Students are required to complete this (POE) course to take the third year Digital Electronics course. Space is limited to 25 students.

795/796 Civil Engineering and Architecture I	2 Quarters	Grade 9-12	1.5 Credits	Prerequisite: None
797/798 Civil Engineering and Architecture II	2 Quarters	Grade 9-12	1.5 Credits	Prerequisite: CEA I



This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter will need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

*** This class has been articulated with Hennepin Technical College. Students who are a Junior or Senior and complete CEA I with a letter grade of “B” or higher may earn credit for Intro to Architectural Drafting (2 credits) at Hennepin Technical College. These credits are transferrable to any MNSCU college or university.**

This course will provide students with an interest in architecture with opportunity to determine if aptitudes align with interests while mastering the fundamentals of industry standard software. This two semester course replaces our traditional Architecture I and Architecture II course offerings to make use of the latest release of Autodesk Revit Architecture within nationally recognized curriculum that integrates state and national standards in math, science and technology. A complete course outline for CEA is posted to the Project Lead the Way web site: www.pltw.org.

799 Introduction to Robotics	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: None
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This is an introductory course into robotics. The history and fundamentals of robotic operation and construction will be covered. Students will be involved in constructing programmable robots employing a variety of end effectors and manipulators. LEGO Mindstorms and Tetrix hardware, as well as Lab-view software, will be used to complete a variety of autonomous and teleoperated tasks and challenges. Space is limited to 25 students.

Automotive

751 Auto 1	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: None
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This course is provides students with variety of experiences working on vehicles. Students will have many opportunities for hands-on experiences as well as using technical information for repair and troubleshooting. Areas covered in the course are tires, suspension, brakes, belts, cooling, lubrication, ignition and electrical and onboard computers, also how to get a loan for a car, and what to look for when buying a new or used car. If possible, the student should have access to the use of a family car one or two days per week. A car is not required to take the class. ***Note: You must have a driver’s license to drive a vehicle in the shop.**

755 Auto 2	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Consumer Auto
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This course is designed for those students who have a basic understanding of the operation of the automobile. The course provides an opportunity for more in-depth study and lab experience in automobile systems and the chassis. A car is not required to take the class. ***Note: You must have a driver's license to drive a vehicle in the shop.**

783 Auto Body	Quarter	Grades 10 – 12	.75 Credit	Prerequisite: None
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This course will provide the student the opportunity to perform minor body and finish repair to a variety of vehicles. The students will acquire skills in assessing body damage to a vehicle, basic repair of damaged panels. Students will also be shown rust repair. They will also learn the techniques used to paint and refinish the panel as well as the use of an air brush and powder coat finishes. Students will also learn the different types of safety and health hazards related to auto body repair. ***Note: You must have a driver's license to drive a vehicle in the shop.**

Design

717/718 Computer Aided Drafting (CAD1)	Quarter	Grades 9 - 12	.75 Credit	Prerequisite: None
718/719 Computer Aided Architecture (CAD2)	Quarter	Grades 9 - 12	.75 Credit	Prerequisite: CAD1



This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter will need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

*** These classes have been articulated with Hennepin Technical College. Juniors or Seniors that complete CAD II with a letter grade of "B" or higher, may earn credit for Engineering Cad Technology (4 credits) at Hennepin Technical College. These credits are transferrable to any MNSCU college or university.**

Do you like to sketch, doodle, and draw? Would you like to do this as part of your job or career? Learn computer aided drafting (CAD) and develop the skills necessary to pursue a variety of design related careers. Students will learn how to use industry standard software such as ProEngineer/CreoPro and Inventor to create models and drawing files typical to a variety of fields. Students taking this course are not required to have any previous drafting or computer experience.

800 Project DIY for Women	Quarter	Grades 9 - 12	.75 Credit	Prerequisite: None
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Have you ever wanted to design, create, and complete projects that offer real, hands-on ways to empower your dreams? Do you enjoy using Pinterest to find fun and original project ideas that express your personality? Are you a person that aspires to be self-dependent when problem solving a variety of common situations that may require the use of tools? In Project DIY for Women, students will explore a variety of basic skills related to general home maintenance, automotive care and manufacturing decor to uncover natural talents and guide students towards their passions. Ultimately, our goal for students is to cultivate confidence in a variety of new skills that will spread to many facets of their lives as independent young adults.

Electronics

766 Electricity 1

Quarter

Grades 9 – 12

.75 Credit

Prerequisite: None

This introductory course will prepare students for further experiences in electronics and computer service training. Students will be exposed to the fundamentals of electricity including basic AC, DC and combination circuits, motors, generators and power distribution. Students will also develop an understanding of basic residential wiring systems. Students will work with meters, oscilloscopes, soldering tools, breadboards, electric motors, generators and transformers. The students will have a choice of assembling a student designed or a prepackaged project. This course will give the student an opportunity to explore electrical technology as a career.

FabLAB

771 FabLAB 1: INNOVATIONS, INC.

Semester

Grades 10-12

1.5 Credit

Prerequisite: None



Are you an idea person? Have you ever watched *Shark Tank*? Do you enjoy thinking of new and creative ways to solve everyday problems? Do you want to join in on the challenge and fun as you **design, build, and sell** products that you produce? In Innovations, Inc., you will use a 21st Century Fabrication Lab as you gain real world experience on 3-D printers, laser engravers, t-shirt production equipment, and vinyl cutters to design and build products. Develop your marketing skills to promote and sell to customers. Students with basic computer skills, an imagination, and a desire to learn will be successful as they guide their path of learning through these digital technologies.

773 FabLAB 2: INNOVATIONS, INC. OPEN for BUSINESS

Semester

Grades 10-12

1.5 Credit

Prerequisite: None



Are you ready to take your FabLAB skills and combine them with your innovation to be part of an operating business? Students will gain experience using CNC routers, CNC plasma cutters, and CNC milling machines. In addition, students will have an opportunity to further develop their 2-D and 3-D software skills and hardware skills as they develop more advanced projects to showcase their knowledge and abilities. Students will hone their business skills as they start and operate a production facility, set up a store front within Laker Corner, and market to local customers for custom orders. Students will further develop 21st Century Skills as they collaborate on design, production, and marketing functions.

801 Advanced Manufacturing

Year Long

Grades 10-12

3 Credit

Prerequisite: None

This is the capstone manufacturing and engineering course offered at PLHS. Students enrolled will form a manufacturing business and will be organized into specific roles within the business (CEO, treasurer, operators, quality, marketing and sales departments). Projects will be obtained from the school, district and community. Students will be responsible for quoting projects, safely operating equipment and tools, producing industry quality products and managing a balanced checking account. Ultimately, the goal is to transition students from a traditional learning model to an entirely student run business in an effort to better prepare students to reach their post-secondary goals.

Metals

704 Metals 1	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: None
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This is an introductory course into the metal-working fields. The student will be exposed to various metal working operations such as oxygen-acetylene cutting, arc welding, MIG welding and making a tool box out of sheet metal. The student will be asked to pay for materials that are used if the toolbox is to be taken home.

Note: This class is a prerequisite to all other metals classes.

739 Metals 2	Quarter	Grades 9 - 12	.75 credit	Prerequisite: Metals 1
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This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter will need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

This course is intended for those students who would like to learn more advanced welding techniques and sheet metal procedures. Students will be required to do welding exercises, design and fabricate a welding project and a sheet metal project of their choice. Students will be asked to pay for materials that are used if the project is to be taken home.

707 Metals 3	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Metals 1
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This course is designed for students who are interested in developing skills in the metal machining industries. Students will be required to complete machine and/or metal projects. Students will have the opportunity to run the computer-controlled lathe and the milling machine. Projects of the student's choice will be designed and built in class. Students will be asked to pay for materials that are used if the project is taken home.

802 Applied Math & Manufacturing	Semester	Grades 9 – 12	.75 Credit	Prerequisite: None
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This is an intermediate level course designed to further develop math and manufacturing skills. Through the district E-STEM initiative, Students will split time between the machine shop learning transferable skills related to metal working technology and a math classroom where they will learn concepts that are reinforced by the manufacturing activities. The course will be team-taught to actively engage students with an emphasis on real world problem solving. Together, students will earn a quarter math credit and a quarter elective credit.

Power

720 Small Gas Engines	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: None
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Small engines are used on lawn mowers, snow-blowers, string trimmers and other common gas-powered engines. Many problems encountered with these devices can be repaired quite easily if one is knowledgeable about engine systems and has had the experience of rebuilding a small gasoline engine. There are many occupations related to the repair of small engines including small engine repair, marine engine repair, motorcycle repair, and snowmobile repair. Students are allowed to bring in their own 4-stroke cycle small engines from home to work on during class.

This class has been articulated with Hennepin Technical College. Juniors or Seniors that complete a full quarter of Small Gas Engines with a B grade or higher may earn credit for Engine Theory (3 credits) at Hennepin Technical College.

722 Small Gas Engines 2	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Small Gas Engines
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Students enrolled in this course will study various recreational and utility vehicles. The course curriculum reflects the season. Students may be allowed to bring in and work on the following vehicles: snowmobiles, bicycles, inboard and outboard boat motors, ATV's, motorcycles, personal watercraft, etc.

Woods

701 Woods 1	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: None
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This course will cover wood types, woodworking tools and equipment, joinery, finishing, laminating of wood and an introduction to construction principles. Emphasis is on shop and home safety. After projects are completed and graded, if the students want to take projects home projects must be paid for.

Note: This class is a prerequisite to any of the other woodworking classes.

724 Woods 2	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Woods 1
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This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter will need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

This course is for the advanced student who is interested in further study of laminating and bending of wood. This is a problem solving and experimenting class, requiring students to design a project and construct and use equipment to make it. Projects such as snow boards, skis, snowshoes, lamps, etc. may be made, and the student will be asked to pay for materials that are used.

727 Woods 3	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Woods 2
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This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter will need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

This course will cover the cabinet making process, joints, assembly and finishing methods. Emphasis will be on advanced joints, assembly and safety on machines. Students will be asked to pay for materials used.

760 Woods 4	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Woods 3
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This course provides the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter will need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

This course is a product-oriented course with emphasis on cabinet and furniture design and construction. Topics to be covered include: plastic lamination (Formica), door and panel construction. Students will be asked to pay for materials used.

786 <u>General Home Maintenance</u>	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: None
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This is an activity-based class designed to prepare the student to deal with everyday home maintenance and repair. The class would be useful for anyone who would ever own a home or rent an apartment. Some of the units to be covered will be home winterizing, basic electrical repair, basic plumbing problems, sheetrock repair and refinishing, interior and exterior decorating, woodwork repair i.e., doors, cabinets and furniture.

758 <u>Basic Building Construction</u>	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: Woods 1
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This course is designed to expose students to various aspects of building construction. Units will be distributed and practical experience obtained in wiring, sheetrock, plumbing, carpentry, masonry and interior finishing.

MATH COURSE SEQUENCES

Listed below are three different sequences of math courses that are recommended for high school students based on math courses that they have taken at the middle school level.

7 th Grade	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Advanced Pre-Algebra	Advanced Algebra	Geometry Honors	Algebra II Honors	Pre-Calculus Honors	A.P. Calculus AB A.P. Calculus BC A.P. Statistics Calculus G
Pre-Algebra	Algebra	Geometry General	Algebra II General	Math Analysis	Pre-Calculus G A.P. Statistics Pre-College Algebra
Pre-Algebra Concepts	Algebra Concepts	Intermediate Algebra	Geometry General	Algebra II General Electives: Personal Applied Math (1 quarter only) AP Computer Science A (yearlong)	Pre-College Algebra Electives: Personal Applied Math (1 quarter only) AP Computer Science A (yearlong)

MATHEMATICS COURSES

805-808 <u>Intermediate Algebra</u>	Year-long (4 quarters)	Grades 9 – 12	3 Credits	Prerequisite: Algebra Concepts
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This course introduces real-life connections to algebra and the concept of using variables. Topics include writing, solving and graphing linear equations and inequalities, solving systems of linear equations, quadratic functions, properties of exponents, polynomial operations, radical functions, data analysis, and an introduction to probability. *A graphing calculator is recommended. (TI-84 PLUS)

832-835 <u>Geometry (G)</u>	Year-long (4 quarters)	Grades 9 – 12	3 Credits	Prerequisite: Algebra Intermediate Algebra
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This course will include the study of points, lines, angles, polygons, circles, surface area, volume, methods of proof, transformations, congruence and similarity. *A graphing calculator is recommended. (TI-84 PLUS)

809-812 <u>Geometry Honors (H)</u>	Year-long (4 quarters)	Grades 9 – 12	3 Credits	Prerequisite: Advanced Algebra
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Note: This is a year-long **weighted** course.

The overall goal of the Honors level courses is to continue to develop students' problem solving abilities and critical thinking skills by extending the content and concepts being covered. The topics covered will be the same as those covered in Geometry. The Honors class will stay on a similar time frame; however, more focus is placed on the use of higher level thinking skills and investigating higher level questions. *A graphing calculator is recommended. (TI-84 PLUS)

855-858 Algebra II (G)	Year-long (4 quarters)	Grades 10 - 12	3 Credits	Prerequisite: Geometry
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This course introduces solutions of linear and quadratic equations, variations, matrices, and functions in real world problem solving and applications. Trigonometry, roots and data analysis are integrated into the learning. *A graphing calculator is recommended. (TI-84 PLUS)

841/844 Algebra II Honors (H)	Year-long (4 quarters)	Grades 10 – 12	3 Credits	Prerequisite: Geometry (H)
845/848 Algebra II Honors Zero Hour				

Note: This is a yearlong **weighted** course.

The overall goal of the Honors level courses is to continue developing students' problem solving abilities and critical thinking skills by extending the content and concepts being covered. The topics covered will be the same as those covered in Algebra II, but will also include work with matrices, exponential and logarithms functions, rational functions, counting and probability, and more advanced trigonometry. *A graphing calculator is recommended. (TI-84 PLUS)

850 Personal Applied Math	Quarter	Grades 11 – 12	.75 Credit	Prerequisite: Algebra II or Department Approval
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This quarter-long course is designed for students who wish to prepare themselves for making money and spending it. Topics covered include: insurance, banking, taxes, planning for retirement and many other practical concerns of today's youth, tomorrow's citizens. *A calculator is recommended for this course.

859/862 Math Analysis	Year-long (4 quarters)	Grade 11	3 Credits	Prerequisite: Algebra II
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This course will include the study of functions, statistics and trigonometry. Students will study algebraic, circular, trigonometric, exponential, and logarithmic functions. Additional topics include probability, statistics, matrices, systems of linear equations, and sequences and series. *A graphing calculator is recommended. (TI-84 PLUS)

863/866 Pre-Calculus Honors (H)	Year-long (4 quarters)	Grades 11 – 12	3 Credits	Prerequisite: Algebra II (H) or Department Approval
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Note: This is a year-long **weighted** course.

The overall goal of the Honors level courses is to continue developing students' problem solving abilities and critical thinking skills by extending the content and concepts being covered. This course is a study of pre-calculus, which requires a strong algebra base. Topics covered in the course will include but not limited to: analyzing functions (linear, quadratic, polynomial, exponential, logarithmic, and trigonometric), investigating discrete mathematics and an introduction to conic sections and polar equations, and an introduction to the core concepts of calculus. Students will investigate higher level thinking problems using their logic and graphing calculators. *A graphing calculator is recommended. (TI-84 PLUS)

867-870 Pre-College Algebra	Year-long (4 quarters)	Grade 12	3 Credits	Prerequisite: Algebra II or Department Approval
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This course is designed for students who are interested in pursuing a post-secondary education, but do not intend on taking pre-calculus their senior year. This course will incorporate the study of algebra with analysis and graphing of functions, and emphasis on applications. Students will study linear, quadratic, polynomial, rational, exponential, and logarithmic functions, probability, inequalities, and systems of equations. Students will also study effective standardized test taking techniques in preparation for college entrance exams. *A graphing calculator is recommended. (TI-84 PLUS)

871-874 Pre-Calculus (G)	Year-long (4 quarters)	Grade 12	3 Credits	Prerequisite: Math Analysis
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This course is the study of pre-calculus and discrete math. Additional topics covered will be analyzing functions, recursion and mathematical induction and the integral in calculus. Students will be expected to use problem-solving techniques to solve application problems using logic and graphing calculators. *A graphing calculator is recommended. (TI-84 PLUS)

875-878 Advanced Placement Calculus BC (Honors)	Year-long (4 quarters)	Grade 12	3 credits	Prerequisite: Pre-Calculus Honors or Department Approval
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Note: This is a yearlong **weighted** course. Students who take this class are encouraged to take the corresponding Advanced Placement Exam in May. The AP Exam fee is collected from the students during the year.

This course is the equivalent of college Calculus I and Calculus II at most college and universities as prescribed by the Advanced Placement program. Topics included are all of those listed for the AB course as well as the calculus of curves given in parametric, polar and vector forms, polynomial approximations and series including Taylor and Maclaurin series, and additional techniques of Integration including Logistic Growth. Students completing this course may qualify for college credit for Calculus I and II and /or advanced placement based on the College Board (CEEB) advanced placement test. *A graphing calculator is recommended and required for the AP Exam (TI-84 PLUS).

879-882 Advanced Placement Statistics (Honors)	Year-long (4 quarters)	Grades 11 – 12	3 Credits	Prerequisite: Math Analysis, Pre-Calculus Honors or Department Approval
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Note: This is a yearlong **weighted** course. Students who take this class are encouraged to take the corresponding Advanced Placement Exam in May. The AP Exam fee is collected from the students during the year.

AP Statistics is the equivalent of a first semester college statistics course, which culminates with an advanced placement examination for which students may receive college credit and/or advanced placement based on the College Board (CEEB) when entering college. AP Statistics will introduce students to the tools for collecting data, observing patterns, planning a study and deciding how to measure the data, producing models using probability and statistics, for making statistical inferences from a set of data. *A graphing calculator will be used often in class, and required for the AP Exam (TI-84 PLUS).

883-886 Advanced Placement Calculus AB (Honors)	Year-long (4 quarters)	Grade 12	3 credits
Prerequisite: Pre-Calculus Honors or Department Approval			

Note: This is a yearlong **weighted** course. Students who take this class are encouraged to take the corresponding Advanced Placement Exam in May. The AP Exam fee is collected from the students during the year.

This course is the equivalent of more than one semester of college calculus at most colleges and universities as prescribed by the Advanced Placement program. Topics included are: functions, limits and continuity, differentiation, integration, and applications thereof. Students completing this course may qualify for college credit for Calculus I and/or advanced placement based on the College Board (CEEB) advanced placement test. *A graphing calculator is recommended and required for the AP Exam. (TI-84 PLUS). ***Summer assignments required for this course.**

887-890 Advanced Placement Computer Science A	Year-long (4 quarters)	Grade 11-12	3 credits
Prerequisite: Algebra II, Geometry & Instructor Approval			

Note: This is a yearlong weighted course. Students who take this class are encouraged to take the corresponding Advanced Placement Exam in May. The AP Exam fee is collected from the students during the year.

The AP Computer Science A course is an introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and, when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course.

895-898 Calculus (G)	Year Long (4 Quarters)	Grade 11-12	3 Credits
Prerequisite: Precalculus G or Precalculus Honors			

This is an introduction to basic differential and integral calculus. Topics included are: functions, limits and continuity, differentiation techniques and applications, and integration techniques and applications. This course will not sufficiently prepare a student for the AP Calculus exam. *A graphing calculator is recommended. (TI-84 PLUS)

1384 Acellus Math	Quarter	Grade 11-12	.75 credit	Prerequisite: Counselor Approval
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This course offers an alternative to mainstream math classes and is primarily designed for credit retrieval. It is designed for students who benefit from a small group setting which moves at an individual pace. The Acellus Learning System is the formal name of the curriculum used in the course and was developed by the International Academy of Science. It is a computer-based program that ensures individual mastery of skills before the introduction of new topics. Students move at their own pace with individualized remediation when necessary. The course offers on-line computer lectures coupled with teacher instruction. Additional information can be found at www.acellus.com.

MUSIC COURSES

Instrumental Music

Students who register for band should register for the entire year unless they have approval of the instructor to take less than a full year. Membership in band is open to all qualified students. Freshman are expected to have participated in the middle school band program. Sophomores, Juniors and Seniors are expected to have participated in a high school program.

During first quarter, all Sophomore band students are enrolled in Marching Band. Junior and Senior band students may be in either Marching Band or Fall Concert Band. The Marching Band performs at home football games, marches in area parades and presents an indoor concert at the conclusion of the first quarter. Students should expect the possibility of several Marching Band rehearsals prior to the start of the school year and several rehearsals scheduled outside of the school day. Fall Concert Band is similar to Gold and Blue Varsity Bands and will perform at a fall concert and other events to be determined. This offering is particularly intended for double reed instruments, football players, or those with other conflicts with the Marching Band schedule. Placement in the fall band offerings will be at the discretion of the directors largely influenced by issues of balance determined by an audition in the preceding spring. Freshmen will be introduced to field marching in band first quarter, though they will be split equally between the Blue and Gold Laker Bands.

Beginning in second quarter and through the rest of the year, band members divide into five concert bands: Wind Ensemble, Blue Varsity Band, Gold Varsity Band, Blue Laker Band and Gold Laker Band. Audition scores and instrumentation needs will determine in which band students are enrolled.

These groups perform at a winter "pops" concert, the all-district concert, a spring concert, and other concerts as they may arise. Even though they rehearse separately (and mainly prepare concert music), the bands join together to march for the Prior Lake Memorial Day Parade and for high school Commencement ceremonies.

Students who are enrolled in band are eligible to try-out for several auxiliary, non-credit band organizations: Jazz Band, Pep Band, Flag Corps and Summer Marching Band.



All courses in this section provide the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

900-903 <u>Laker Band</u>	All Year	Grade 9	3.0 credits	Prerequisite: Department Approval
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Once registration is complete, the instructors will divide those registered into two equally instrumented sections – Gold Laker Band & Blue Laker Band.

904 <u>Marching Band</u>	Quarter 1	Grades 10-12	.75 credit	Prerequisite: Department Approval
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909/910/911 <u>Varsity Band</u>	Quarter 2, 3, 4	Grades 10-12	.75 credit/quarter	Prerequisite: Department Approval
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Once registration is complete, the instructors will divide those registered into two equally instrumented sections – Gold Varsity Band & Blue Varsity Band.

915 <u>Fall Varsity Concert Band</u>	Quarter 1	Grades 11-12	.75 credit	Prerequisite: Department Approval
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916/917/918 <u>Wind Ensemble</u>	Quarter 2, 3, 4	Grades 10-12	.75 credit/quarter	Prerequisite: Department Approval
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Please note: School instrument and percussion fees to be determined.

Vocal Music

Several curricular choral offerings are available. Audition, instructor approval, and the need to maintain vocal balance within each group determine placement in the various choirs. The purpose of each group is to prepare and perform vocal music written and/or arranged specifically for its voicing. Required course activities include daily rehearsals, sight singing and ear training, attendance at all concerts and events of that choir and a genuine desire to be a contributing member of the group.

Choirs participate in numerous performance opportunities during the school year, including fall, holiday, pops, spring and awards concerts in addition to festivals and contests.

Students who register for choir need to register for the entire year unless they have approval of the instructor to take less than a full year. Membership is open to all qualified students.

Students who participate in choir are eligible to audition for solos, small groups and membership in co-curricular ensembles as available. Private voice lessons are offered through Community Education to all interested students and are paid for by the students or their families.



All courses in this section provide the opportunity for students to meet the graduation standard requirement in **Arts/Technical Arts**. Students in the Class of 2008 and thereafter need three credits in Arts/Technical Arts to fulfill minimum graduation requirements in this area.

Prerequisites for all choirs: satisfactory audition and department approval

Incoming freshman should register for:

935-938 Laker Treble Choir (girls)	Year-long (4 quarters)	3 credits	Predominantly Grade 9
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Or

939-942 Laker Meistersingers (boys)	Year-long (4 quarters)	3 credits	Predominantly Grade 9
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Select, auditioned choirs:

Incoming sophomores should register for:

923-926 Choralaires (girls)	Year-long (4 quarters)	3 credits	Predominantly Grades 10-12
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Or

927-930 Varsity Choir (boys)	Year-long (4 quarters)	3 credits	Predominantly Grades 10-12
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Incoming juniors and seniors should register for the choir in which they are currently enrolled; reassignment will be by the director pending auditions:

923-926 Choralaires (girls)	Year-long (4 quarters)	3 credits	Predominantly Grades 10-12
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Or

919-922 Women's Chorale (girls)	Year-long (4 quarters)	3 credits	Predominantly Grades 10-12
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Or

927-930 Varsity Choir (boys)	Year-long (4 quarters)	3 credits	Predominantly Grades 10-12
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Or

931-934 Concert Choir (girls & boys)	Year-long (4 quarters)	3 credits	Predominantly Grades 11-12
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Enrollment in more than one curricular choir is permitted with instructor and department approval.

Music Theory

943 <u>Music Theory I</u>	Quarter	Grades 10-12	.75 credits	Prerequisite: current enrollment in a musical ensemble at PLHS or instructor approval
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This course is the first in a sequence of three (followed by Music Theory II and Music History). Students will learn the basic concepts of music theory in order to build a solid base of musical knowledge. Through ear training exercises, musical examples and hands-on activities you'll be able to analyze, read, write and understand all types of music more effectively. This course is geared towards any students who are interested in furthering themselves as a musician. Whether you sing in a choir, play an instrument or rock out in a garage band, this course will make you a better musician.

944 <u>Music Theory II</u>	Quarter	Grades 10-12	.75 credits	Prerequisite: Music Theory I
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This course is the second in the sequence of three and serves as a direct continuation of Music Theory I. It provides intensive ear training drills designed to develop listening skills, particularly pitch, interval, chord and rhythm recognition. By engaging in a variety of exercises and demonstrations, as well as weekly assignments that involve transcribing contemporary music examples, students will learn to internalize the music and identify chords and progressions with ease and confidence. Put your theory background into practice, and learn the practical techniques and ear training exercises that will work for you in your musical life every day.

945 <u>Music History</u>	Quarter	Grades 10-12	.75 credits	Prerequisite: Music Theory II or Instructor Approval
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This is the last in the sequence of three and serves as an introduction to the study of Western musical history from Bach to the Beatles and beyond. It will include representative composers, works as well as significant concepts and issues such as the broader cultural context for music making. No musical background is necessary. Active listening, however, will be a basic ingredient of both homework assignments and class activities.

946 <u>Advanced Theory</u>	Quarter	Grade 11-12	.75 credits	Prerequisite: Music Theory and Music Theory II or Instructor Approval
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This course is geared towards students who seek the opportunity to create original music compositions. In addition to developing compositional abilities, experiences will include the development of skills needed to analyze and self-evaluate your work as well as having your music read by an ensemble (if possible). The overall goal of this course is to start and finish a piece.

PHYSICAL EDUCATION AND HEALTH COURSES

9TH GRADE PHYSICAL EDUCATION AND HEALTH

CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Quarter	1073	Boys Fitness	No Prerequisite
Quarter	1070	Girls Fitness	No Prerequisite
Quarter	1076	Team Sports 9	No Prerequisite
Quarter	1077	Team Sports 9 Zero Hr	No Prerequisite
Quarter	1079	Individual Sports 9	No Prerequisite - Q1 and Q4
Quarter	501	Health 9	No Prerequisite
Quarter	502	Health 9 - Zero Hr	No Prerequisite

10 – 12 TH GRADES PHYSICAL EDUCATION

CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Quarter	1026	Team Sports	Can be taken up to 2 times
Quarter	1028	Lifetime Sports	Can be taken 2 times; Q1 and Q4
Quarter	1044	Aerobic Conditioning	Can be taken 2 times
Quarter	1046	Aerobic Conditioning - Zero Hr	Can be taken 2 times
Quarter	1034	Strength and Conditioning	Can be taken up to 4 times
Quarter	1038	Strength and Conditioning - Zero Hr Hybrid	Can be taken up to 4 times
Quarter	1048	Winter Recreation	Can be taken 2 times; Q2 and Q3

11-12TH GRADES PHYSICAL EDUCATION ELECTIVES

CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Quarter	1051	Outdoor Education	Quarters 1 and 4

10-12TH GRADES HEALTH ELECTIVES

CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Quarter	531	First Aid and CPR – Hybrid	No Prerequisite
Quarter	553	Stress Management	No Prerequisite
Quarter	554	Stress Management – Zero Hr	No Prerequisite
Quarter	559	Chemical Health Awareness	No Prerequisite
Quarter	535	Prevention and Care of Injuries	No Prerequisite

PHYSICAL EDUCATION COURSES

9th Grade Physical Education Courses – *One Quarter Required*

Girls Fitness 9	Quarter	.75 credit	
Boys Fitness 9	Quarter	.75 credit	
Team Sports 9 (Co-ed)	Quarter	.75 credit	
Individual Sports 9 (Co-ed)	Quarter	.75 credit	(offered Quarters 1 & 4)

Course Descriptions:

1070 Girls Fitness 9 – This personal fitness class is for 9th grade girls only. This course is designed to enable students to improve their overall fitness level through a variety of individual and group fitness activities and integrated technology including: Pilates, weight room, yoga, TRX, dance fitness, cardio kickboxing, and iPad apps.

1073 Boys Fitness 9 – This personal fitness class is for 9th grade boys only. The primary activities will include: Strength Training, Speed & Agility Training, Cardiovascular Endurance, Core Development, and Aerobic Fitness.

1076 Team Sports 9 /

1077 Team Sports 9 Zero Hr – This introductory physical education course focuses on daily participation and skill development within a team sports setting. Units include, but are not limited to: soccer, volleyball, basketball, football, softball, broomball, floor hockey, and any other team-based sport.

1079 Individual Sports 9 – This introductory physical education course focuses on daily participation and skill development within an individual sports setting. Units include, but are not limited to: tennis, pickle ball, badminton, golf, Frisbee golf, archery, table tennis, and any other individual sport. Offered quarters 1 and 4

10th-12th Grade Physical Education Courses – *One Quarter Required*

1026 Team Sports	Quarter	.75 credit	May be taken 2 times
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This physical education course focuses on daily participation and continued skill development within a team sports setting. Units include, but are not limited to: soccer, volleyball, basketball, football, softball, broomball, floor hockey, and any other team-based sport.

1028 Lifetime Sports	Quarter	.75 credit	May be taken 2 times
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(Offered Quarter 1 and Quarter 4 only)

This physical education course focuses on daily participation and continued skill development within an individual sports setting. Units include, but are not limited to: tennis, pickle ball, badminton, golf, Frisbee golf, archery, table tennis, and any other individual sport.

1044 Aerobic Conditioning or	Quarter	.75 credit	May be taken 2 times
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1046 Aerobic Conditioning Zero Hr

This course is designed to enable students to improve their aerobic/cardiovascular capacity and general muscle tone through a variety of individual and group fitness activities and integrated technology. Students will be expected to be active every day.

1048 <u>Winter Recreational Sports</u>	Quarter	.75 credit	May be taken 2 times
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(Offered Quarter 2 and Quarter 3 only)

This course provides an opportunity for students to improve their physical fitness through the following winter activities: table tennis, floor hockey, pickle ball, badminton, volleyball, basketball, broomball, downhill skiing, snowboarding, skating, curling, sledding, and other recreational activities. Activities may change according to the weather or instructor's discretion. Students should plan on being outside most days.

1034 <u>Strength Training and Conditioning or</u>	Quarter	.75 credit	May be taken 4 times
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Strength Training is a personalized fitness class that allows students to work out in our Fitness Room according to each individual's personal training goals. Prior training experience is not required since the course is designed to meet the needs of the beginner, as well as the experienced fitness enthusiast. Each student will be introduced to a variety of different training methods including strength training, cardiovascular training, core training, and speed development programs.

1038 <u>Strength Training and Conditioning – ZERO HOUR – HYBRID</u>	Quarter	.75 Credit	May be taken 4 times
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Strength Training – HYBRID will meet as a ZERO HOUR Class. This Hybrid course is a personalized fitness class that allows students to work out in the Fitness Room according to each individual's personal training goals. Prior training experience is not required since the course is designed to meet the needs of the beginner, as well as the experienced fitness enthusiast. Each student will be introduced to a variety of different training methods including strength training, cardiovascular training, core training, and speed development programs. **With the Hybrid structure, students will be required to meet in class two to three times per week.** The day's students are not in class, students will be required to track nutritional information, analyze work-out-data, and plan future workouts.

1051 <u>Outdoor Education</u>	Quarter	.75 credit	Grades 11 – 12
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(Offered Quarter 1 and Quarter 4 only)

Prerequisite: Instructor Approval

This course is designed for the "outdoors" person. Some of the activities will include: canoeing, field archery, wilderness survival, camping skills, outdoor cooking, fishing, High Ropes Course, and other outdoor activities

HEALTH COURSES

9TH GRADE HEALTH – *Required*

501 <u>Health 9</u> or	Quarter	.75 credit
504 <u>Health 9 Zero Hr</u>		

Health 9 is a student-centered class designed to provide students with the knowledge of health-related topics so they may make responsible decisions that lead to healthy habits for a lifetime. Students will take notes, create projects, participate in discussions, watch videos, and use technology to learn about topics including wellness, chemical use, nutrition, communication/relationships, sexual health, illness/disease, and mental health.

HEALTH ELECTIVES – *One quarter required - All classes are available to 10th - 12th grade unless noted.*

531 <u>First Aid & CPR</u> - HYBRID	Quarter	.75 credit
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This is an American Red Cross certified course in CPR/AED trainer for adults, children & infants and first aid. Topics covered are: CPR and obstructed airway of conscious and unconscious victim, how to recognize an emergency, wounds, bandaging, injuries to bones, muscles and joints, rescue and transfer burns, sudden illness and other specific injuries. CPR/AED and First Aid certification card will be offered at an additional cost.

With the Hybrid structure, students will be required to meet in the classroom two to three times per week. Students will have assignments to complete on days they are not in the classroom.

553 <u>Stress Management</u> or	Quarter	.75 credit
554 <u>Stress Management Zero Hr</u>		

This course will involve discussion of and participation in activities that will prepare students to cope with stress. Understanding the typical causes and symptoms of teen stress will help you feel better about yourself and enable you to handle the "ups and downs" of life. Topics of discussion will include: defining stress, communication, personality traits, relationships, anger management, depression, suicide, grief, time management, self-esteem, job stress and relaxation techniques.

559 <u>Chemical Health Awareness</u>	Quarter	.75 credit
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This class is a comprehensive study of all drug-related topics, focusing mainly on gateway drugs and substances that high school students might be exposed to. Drug laws/policies, historical significance of drugs, drug categories, addiction, and consequences of drug use will all be discussed. Guest speakers, papers, projects, notes, and videos will be used to learn about this topic.

535 <u>Prevention and Care of Injuries</u>	Quarter	.75 credit
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This course is designed to introduce students to sports medicine and common injuries that can occur during physical activity. Topics discussed include how to prevent and care for specific injuries, how certain injuries occur and the basic anatomy involved in specific injuries. This course would be a combination of classroom discussions and lab sessions where students would learn and practice different taping and bracing techniques.

SCIENCE COURSES

9 TH GRADE SCIENCE			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Year	1101-1104	Science 9: Physical Science	No Prerequisite
Year	1109-1112	Science 9 Honors	Prerequisite: "C" or better in 8 th grade Honors Science and Math or Teacher Recommendation
10 TH GRADE SCIENCE			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Year	1126-1129	Biology	No Prerequisite
Year	1117-1120	Biology Concepts	Teacher/Counselor Recommendation
Year	1121-1124	AP Biology	Completion of Physical Science 9 , recommended Science 9 Honors (or instructor approval)
Year	1138-1141	Chemistry Honors	Prerequisite: Biology OR current enrollment in Biology <u>and</u> Algebra II Honors with a "B" or better
11 TH -12 TH GRADE SCIENCE SCIENCE			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Year	1134-1137	Chemistry	Prerequisite: Biology or Dept. Approval
Year	1138-1141	Chemistry Honors	Prerequisite: Biology OR current enrollment in Biology <u>and</u> Algebra II Honors with a "B" or better
Year	1146-1149	Chemistry S2S	Prerequisite: Meet PSEO requirements
Quarters 1-2 or Quarters 3-4	1142-1145	Chemistry Concepts I & II	Teacher/Counselor Approval
Year	1151-1154	Anatomy and Physiology	Prerequisite: Biology and Chemistry or Chemistry Honors
Year	1160-1163	General Physics	Prerequisite: Algebra II
Year	1168-1171	Physics S2S	Prerequisite: Meet PSEO requirements
Year	1155-1158	Honors Physics	Prerequisite: Algebra II
Quarter	1178-1182	Physics Concepts I II III and IV	No Prerequisite
Year	1130-1133	Environmental Science	Prerequisite: Science 9 and Biology
Year	1164-1167	AP Environmental Science	Prerequisite: Completion of two HS Science courses including Biology or instructor approval
11 TH -12 TH GRADE SCIENCE ELECTIVES			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Quarter	1159	Astronomy	Prerequisite: Chemistry or current enrollment in Chemistry
Quarter	1172	Biochemistry I	Prerequisite: Biology and Chemistry or Chemistry Honors
Quarter	1173	Biochemistry II	Prerequisite: Biology and Chemistry or Chemistry Honors
Quarter	1174	Biochemistry III	Prerequisite: Biology and Chemistry or Chemistry Honors
9 TH -12 TH GRADE SCIENCE ELECTIVES			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Quarter	606	Science in the Kitchen	Prerequisite: None

SCIENCE COURSES

1101/1103 Science 9: Physical Science	Year-long (4 quarters)	Grade 9	3 credits	Prerequisite: None
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Quarter 1

Introduction to Earth Science: plate tectonics; earth's energy sources; climate; earth cycles, natural disasters, human interactions with earth systems.

Introduction to Physics: forces and motion; Algebraic equations and problem solving activities are included in many of the physics topics.

Quarter 2

Introduction to Physics (continued): Engineering, Energy, Work, Power, electricity and magnetism, electricity generation, energy sources; sound.

Introduction to Chemistry: atomic structure and theory; elements and the periodic table; chemical bonding.

Quarter 3

Introduction to Space Science, renewable energy

Introduction to Chemistry: Atomic Theory, Periodic Table.

Quarter 4

Introduction Chemistry (continued): Ionic Compounds, Chemical Reactions, Moles

1109/1111 Science 9 Honors	Year-long (4 quarters)	Grade 9	3 Credits
Prerequisite: "C" or better in 8th Grade Honors Science and Honors Math or Teacher Recommendation			

Science 9 Honors*

* Science 9 Honors is a rigorous course for the highly motivated student. The course is more in-depth than general Science 9 and requires proficiency in Algebra. Students will be required to apply their knowledge to construct explanations or design solutions of complex science-related issues. Students who do not attain a C- or better during a quarter may be placed in the general Science 9 class.

Science 9 Honors is a year-long weighted course which includes:

Introduction to Physics: Forces & motion; universal forces; conservation of energy; work and power; energy sources; sound; electricity; electromagnetic spectrum;. Algebraic equations and problem solving activities are included in many of the physics topics.

Introduction to Chemistry: Atomic structure & theory; elements and the periodic table; chemical bonding and reactions.

Earth & Space Science: Plate tectonics; earth's energy sources; climate; earth cycles; the universe; human interactions with earth systems.

Students will learn about many of the above mentioned topics through the lens of real-to-life issues. Selected units will integrate scientific practices, STEM (Science, Technology, Engineering, Mathematics), and the ideals of 21st century learning through project-based learning.

This year-long course will include topics such as:

- First Quarter:** Biological Principles, Biochemistry, Classification, Ecology, Photosynthesis/Cellular Respiration, Populations
- Second Quarter:** Microscopy, Cells, Cell Transport, Viruses, Bacteria, Immunology, Cell Reproduction
- Third Quarter:** Mendelian Genetics, DNA, Protein Synthesis, Gene Technology, Evolution
- Fourth Quarter:** Body Systems within Zoology: Nervous, Digestion, Respiration, Circulatory, Urogenital, Dissection

There will be numerous dissections and live labs in which students are expected to be an active participant.

This year-long course will include topics such as:

- First Quarter:** Biological Principles, Biochemistry, Classification, Ecology, Photosynthesis/Cellular Respiration, Populations
- Second Quarter:** Microscopy, Cells, Cell Transport, Viruses, Bacteria, Immunology, Cell Reproduction
- Third Quarter:** Mendelian Genetics, DNA, Protein Synthesis, Gene Technology, Evolution
- Fourth Quarter:** Body Systems within Zoology: Nervous, Digestion, Respiration, Circulatory, Urogenital, Dissection

There will be numerous dissections and live labs in which students are expected to be an active participant. Students will be pre-selected for this class through teacher and/or counselor recommendations.

Advanced Placement allows students to take a college level course while still in high school. This course is weighted due to its increased rigor and work load. Students are expected to spend 30-60 minutes every day reading, reviewing, writing, and exploring concepts in a self-directed manner. AP Biology concludes with a college level assessment, the AP Biology Exam. The AP Biology Exam gives students the opportunity to demonstrate their mastery of college-level coursework. More than 90% of four year colleges and universities grant credit, placement or both on the basis of successful completion of the AP Biology Exam. The course is based on a college freshman level course for biology majors.

AP Biology is broken down into four “Big Ideas” that will be explored throughout the course.

1. Big Idea 1: The process of Evolution drives the diversity and unity of life.
2. Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis.
3. Big Idea 3: Living systems store, retrieve, transmit, and respond to information essential to life processes.
4. Big Idea 4: Biological systems interact, and these systems and their interactions possess complex properties.

Student directed inquiry based laboratory activities will make up at least 25% of the course. There will be a minimum of two laboratory exercises for each of the four “Big Ideas” in this course. During laboratory activities students will be encouraged to engage in generating questions for investigations, choosing variables to investigate, design and conduct experiments, design their own experimental procedures, collect, interpret and display data, and determine how to present their conclusions.

1134-1137	<u>Chemistry</u>	Year-long (4 quarters)	Grades 11 - 12	3 credits	Prerequisite: Biology or department approval
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Chemistry is a year-long course intended to expand the student’s knowledge of chemical concepts and applied mathematics. Chemistry is highly recommended for college-bound students and a “must” for science-related careers. Students must pass Algebra II before enrolling in this course. Completion of General, Honors, or S2S Chemistry is a prerequisite for the Anatomy & Physiology course. Students will be assessed based on laboratory work, worksheets, tests and quizzes.

Chemistry will cover the following topics:

First quarter: introductory topics, scientific measurements and problem solving, chemical names and formulas, chemical reactions, molar quantities.

Second quarter: stoichiometry, water and aqueous systems, solutions, equilibrium.

Third quarter: acids & bases, gas laws, electron configuration and light

Fourth quarter: periodic table trends, covalent bonding, organic chemistry

1138-1141	<u>Chemistry Honors</u>	Year-long (4 quarters)	Grades 10 – 12	3 credits	Prerequisite: Biology or currently enrolled in Biology and Algebra II Honors with “B” or better grades.
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Honors Chemistry is for more motivated students planning to take science and engineering courses in college. Completion of this course, S2S Chemistry or General Chemistry is also a prerequisite for the Anatomy & Physiology course. Honors Chemistry covers about 20% more material each quarter than General Chemistry. For this reason, it is a weighted course. Students who do not attain a C- or higher during a quarter may be placed in General Chemistry for the duration of the school year.

Chemistry Honors is a highly math-based subject and students must have strong algebra and logic skills.

Chemistry Honors will cover the following topics:

First quarter: scientific measurement and problem solving, chemical names and formulas, chemical reaction, molar quantities and stoichiometry

Second quarter: solutions reaction rates, thermochemistry, equilibrium, acids and bases

Third quarter: gas laws, electron configurations & light, periodic table trends, nuclear chemistry

Fourth quarter: covalent bonding, organic chemistry, particle physics

1146-1149	<u>S2S Chemistry</u>	Year-long (4 quarters)	Grades 11-12	3 credits	Prerequisite: Meet PSEO eligibility requirements
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S2S Chemistry is offered as part of a “College in the Schools”-type program. This PLHS program is administered by State Cloud State University and students have the opportunity to earn college-level chemistry credits that may be accepted for general education credit by many Minnesota colleges and universities. This year-long course follows the curriculum of Chemistry 160 offered as a semester course at SCSU. Students will attend class at Prior Lake High School, but earn credit through SCSU.

Students will receive a college transcript at the end of the course. These credits may be accepted by many colleges and universities as a general science or elective credit. Juniors in the top 1/3 of their class and seniors in the top ½ of their class are eligible to participate in this course.

S2S Chemistry Honors is a highly math-based subject and students must have strong algebra and logic skills.

S2S Chemistry is a more rigorous course than Honors Chemistry. It will also have a stronger emphasis on laboratory skills. It is highly recommended that students have strong math grades (B+ or better) and are more motivated to learn on their own, as many topics will be research based. S2S Chemistry is a weighted course that will cover about 20% more material each quarter than General Chemistry. Students are required to take one field trip during the school year to St. Cloud State University to perform a lab on the college campus.

***Summer assignments will be required for this course.**

***Please note:** Failing to complete the summer assignments may result in re-assignment to Honors or General Chemistry at the beginning of the school year.

Chemistry Concepts: Offered as Quarter 1 and 2 or Quarter 3 and 4

A student may take either quarter one and two or quarter three and four. Each course is a set of two quarter. A student wishing to take quarter two must take quarter one and a student who wishes to take quarter four must take quarter three. Students may take all four quarters to get a full year of science. The class requires a minimum level of mathematics. Most of the emphasis of the course will be on understanding the underlying concepts that often gets lost in the math. Throughout the class, we will attempt to answer many of the real-world questions that students might have related to chemistry.

Students who plan on attending a four-year college should enroll in General, Honors or S2S Chemistry.

1142 <u>Chemistry Concepts I</u>	Quarters 1 and 2	Grades 11-12	0.75 credits/quarter	Prerequisite: Teacher Recommendation
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The units we will cover are:

First Quarter: Chemical Reactions, Careers in Chemistry, Acids & Bases, Basic Atomic Structure

Second Quarter: Ionic Bonding & Compounds, Solutions & Moles, Isotopes, Reaction Rates, The Group IV Project

1144 <u>Chemistry Concepts II</u>	Quarters 3 and 4	Grades 11-12	0.75 credits/quarter	Prerequisite: Teacher Recommendation
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The units we will cover are:

Third Quarter: History of the Atom, Gas Laws, Covalent Bonding & Compounds, Brain Chemistry, Quantum Mechanics & Electron Configurations, Basic Organic Chemistry

Fourth Quarter: Petroleum, Science Ethics, Nuclear Chemistry, Adv. Organic Chemistry

1151-1154	Anatomy and Physiology (H)	Year-long (4 quarters)	Grades 11-12	3 credits	Prerequisite: Biology and year-long course in general, honors or S2S Chemistry
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This is a year-long, weighted course. Students must register for all four quarters. The subject matter covered in each quarter is listed below:

Quarter One: Organization of the human body, and the skeletal system

Quarter Two: Joints, cytology and histology, and the nervous system

Quarter Three: Muscular system, digestive system and cardiovascular

Quarter Four: The heart, respiratory system and sensory system

During the four quarters each student will complete a cat dissection as well as a dissection of the sheep brain, sheep heart and cow eye.

1160-1163	General Physics	Year-long (4 quarters)	Grades 11-12	3 credits	Prerequisite: Algebra II
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General physics is a year-long course that covers the MN academic standards in science for physics. Physics is a highly math-based subject and students must have strong algebra and trigonometry skills.

General Physics is a good preparatory course for students planning on attending a four year college. Juniors and seniors who meet the PSEO eligibility requirements may want to consider S2S Physics, which offers the opportunity for college credit. In General Physics, we cover a broader range of physics topics, but place less emphasis on the independent research required for S2S.

During the year we will cover scientific method, societal changes resulting from physics, scientific measurement, vectors, Newtonian mechanics (the study of motion and the forces that cause motion), gravitational forces, potential energy, kinetic energy, work, power, momentum, oscillatory systems, waves, electrical/ magnetic fields, simple electrical circuits, nature of light, electromagnetic spectrum, optics, heat transfer, pressure, fluid mechanics, atomic physics and relativity.

Throughout the year students will perform a series of experiments, view in-class demonstrations and watch videos that support the textbook material. During fourth quarter, students will prepare for an optional physics field trip to Valleyfair for MN Physics Day.

1155-1158	Honors Physics	Year-long (4 quarters)	Grades 11-12	3 credits	Prerequisite: Algebra II
NOTE: Each quarter of Honors Physics is a prerequisite for the next quarter.					

This year-long, weighted course provides a foundation for students to take advanced science courses in college or test out of their physics requirements. The Honors Physics Program has been structured in a manner that will prepare students for *the opportunity* to take the Physics 1 & 2 AP Exam, *if they so choose*. If you do not take the AP exam, it will not affect your grade.

Students must have extremely strong math skills to succeed in this course.

This is a fast-paced and extremely competitive algebra-based course. However, you do not need calculus for this class. **Honors Physics is the most intense physics offering at PLHS.**

Be advised that we cover the AP curriculum in one year and it is suggested that this be a two-year course of study or taught in one year on a block schedule.

Quarter 1: A brief overview of scientific computational skills and vector addition followed by an intense study of 1-D motion, 2-D motion and Newton's Three Laws and work, energy and conservation of energy

Quarter 2: Linear momentum, conservation of momentum, Circular Motion, Universal Law of Gravitation, Rational Motion, Simple Harmonic Motion and Sound

Quarter 3: Electricity, Circuits, Fluid Dynamics, Thermodynamics, and Electrostatics

Quarter 4: A study of electricity, magnetism, atomic physics

The time we spend on each topic follows the emphasis placed on each topic on the AP 1 and 2 Physics exam. Students are encouraged to look at the AP website to better understand the requirements of the AP exam.

1168-1171 S2S Physics	Year-long (4 quarters)	Grades 11-12 3 credits	Prerequisite: Meet PSEO eligibility requirements
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Because this class is offered in conjunction with Saint Cloud State University it can only be taken as a year-long course and you must register for all four quarters.

S2S Physics is offered as part of College in the Schools-type program. This PLHS program is administered by State Cloud State University and students have the opportunity to earn college physics credits that may be accepted for general education credit by many Minnesota colleges and universities. This year-long, weighted course follows the curriculum of Physics 231 offered as a semester course at SCSU. Students will attend class at PLHS, but earn credit through SCSU.

Students will receive a college transcript at the end of this course. These credits may be accepted by many colleges and universities as a general science or elective credit. Juniors in the top 1/3 of their class and seniors in the top ½ of their class are eligible to participate in this course.

Physics is a highly math-based subject and students must have strong algebra and trigonometry skills.

During the year we will cover vectors; kinematics; static equilibrium; work and energy; linear momentum; rotational work; elasticity; fluid statics and dynamics; heat and temperature; kinetic theory of gases and laws of thermodynamics. During fourth quarter, students will prepare for an optional physics field trip to Valleyfair for MN Physics Day. Throughout the year students will perform a series of experiments, view in-class demonstrations and watch videos that support the textbook material. Class emphasis will be placed on lab technique and independent research will be required outside of class.

Physics Concepts:

Conceptual Physics is four distinct quarter classes. **This class is not designed to be at a college preparatory level.** The class is structured in a manner to offer students with very limited math skills an alternative path in fulfilling their science requirements.

Each class tackles a different area of physics. For this class, we use the text, Conceptual Physics by Paul Hewitt. It is the best-selling high school text currently in use. The course will contain some mathematics, as physics is a mathematical science. Most of the emphasis of the course, however, will be on understanding the underlying concepts that often gets lost in the math. Throughout the class, we will attempt to answer many of the real-world questions that students might have related to physics.

1181 Physics Concepts - Quarter I: Hot Physics

Electricity & Magnetism, Heat, and Nuclear Physics: Included will be a basic look at Kinetic Theory and its related effects. Students will also look at the methods of heat transfer. Electrostatics and Electric current will be covered, including methods of charging and circuit design. Basic magnetism will be analyzed, including mapping magnetic fields. Finally, we will look at nuclear physics, including fission, fusion, carbon-dating and health uses of radioisotopes.

Some of the big questions we will attack: Why is it that when one Christmas tree light goes out they all go out? How do we build a better thermos? How do you make a magnet? How do they know how old a mummy is? Just how dangerous is nuclear power anyway? How does the sun work?

1180 Physics Concepts - Quarter II: Wave Physics

Waves, Sound & Light, The Electromagnetic Spectrum and The Dual Nature of Matter: Included will be a study of Wave Basics, Sound, Light, Color, Reflection, Refraction, Lenses, Diffraction, Interference and the Doppler Effect. Some of the big questions we will attack: Why is the sky blue? How do glasses work? What causes rainbows? How does a telescope work? Why did the Tacoma Narrows Bridge collapse? How do X-rays work? How are matter and energy related?

1178 Physics Concepts - Quarter III: Classical Physics

Mechanics: Included will be a study of Linear Motion, Projectile Motion, Newton's Three Laws of Motion, Forces and Gravity. Special attention will be paid to gravity as a force and its effects on motion. We will look at accelerated and non-accelerated motion. Students will graph data and use it to make conclusions. Students will be working graphically with vectors, so rulers and protractors are required for this section of the class. Some of the big questions we will attack: What is gravity? Why don't we notice the earth moving? Why do I get pushed to the outside of a car going around a corner? What causes tides? What causes Eclipses? Why do we have seasons? What is a black hole?

1179 Physics Concepts - Quarter IV: Momentum, Energy and Relativity

This quarter will take physics from the classical world to the modern world. We take a look at the various forms and types of energy as well as ways that energy is conserved and transformed. We will spend a little time on momentum and collisions. We will end with a look at the Special and General Theories of Relativity.

Some of the big questions for this unit include: What do Conservation Laws tell us? Why is a perpetual motion machine impossible? If you start with two people of the same age and let one fly off at the speed of light for a year, why is he only a year older while the other person is now old?

1130-1133 <u>Environmental Science</u>	Year-long (4 quarters)	Grades 11-12	3 credits
Prerequisite: Science 9 and Biology			

Environmental Science introduces basic principles of ecology including the ecosystem concept, community succession, soil ecology and outdoor field studies in local forests and grasslands. The course addresses the environmental issues of our time; extinction of species, habitat loss, greenhouse warming, tropical deforestation, ozone depletion, and pollution. Solutions to these issues are explored in the lab as well as through research. Environmental Science stresses resource management, conservation biology, recycling materials and alternative energy resources. Aquatic ecology studies are completed at several nearby ponds. Students complete a class conservation project at the end of the course.

1164-1167 AP Environmental Science (APES)	Year-long (4 quarters)	Grades 11 - 12	3 credits
Prerequisite: Completion of Biology and completion of a concurrent enrollment in Chemistry			

Advanced Placement Environmental Science (APES) is a year-long, weighted course. The APES curriculum is approved by the College Board. The rigor and scope of the curriculum are such that students qualify for college credits after successful completion of a nationally administered Advanced Placement test given in May. APES introduces the principles of environmental science including, ecological studies, atmospheric chemistry, energy resources, resource management, sustainability, Environmental ethics, and legislation. Lab experiments include outdoor field studies in local forests, grasslands, and ponds. The course addresses the major environmental problems of our time; loss of biodiversity of species, habitat loss, global warming, tropical deforestation, ozone depletion, pollution, overpopulation. Solutions to these issues are explored in the lab as well as through research.

Biochemistry:

Biochemistry involves the study of how chemistry principles are applied to processes involving atoms and molecules inside living organisms. There are three quarters of biochemistry offered. Each quarter is a “stand alone” course. A student may take one or all of these courses in any order.

1172 Biochemistry I	Quarter	Grades 11-12	.75 credit
Prerequisite: Biology and year-long course in general or Honors Chemistry			

This weighted course is designed for students wishing to pursue a course of study in any medical or biological area. It is recommended that this course be taken prior to or concurrently with Anatomy and Physiology. This course begins with a review of the classification, structure and behavior of organic molecules. Then chemistry of proteins will be studied. Time will be spent on the roles of proteins and enzymes inside the body. Emphasis will be placed on the chemistry of medicines and the importance of pharmacogenomics and bio-informatics in the health of the human body. Considerable time will be spent in the laboratory learning techniques for electrophoresis, PCR, and protein assay.

1173 Biochemistry II	Quarter	Grades 11-12	.75 credit
Prerequisite: Biology and year-long course in general Chemistry			

This weighted course is designed for students wishing to pursue a course of study in any medical or biological area. It is recommended that this course be taken prior to or concurrently with Anatomy and Physiology. This course will cover bioenergetics topics with specific emphasis on carbohydrates and food chemistry. The energy molecules used and energy transformation cycles used inside the human body will be studied extensively. The process of fermentation will be studied as well as the physiological effects of alcohol on the human body. Considerable time will be spent in the laboratory learning techniques for spectroscopy. It is not necessary that Biochemistry I be taken prior to this course.

Biochemistry III	Quarter	Grades 11-12	.75 credit	Prerequisite: Biology and a year-long course in general or Honors Chemistry
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This weighted course is designed for students wishing to pursue a course of study in any medical or biological area. It is recommended that this course be taken prior to or concurrently with Anatomy and Physiology. This course continues the study of bioenergetics with an emphasis on how lipids store energy and how they contribute that energy to living systems through energy cycles. The iodine number as well as the saponification number of fats will be determined using advanced titration techniques. These numbers will be studied to determine the healthy and unhealthy aspects of saturated and unsaturated fat. The chemistry of cholesterol and its role in fat digestion and hormone production will also be studied. Further studies of lipids will involve the chemistry of soaps and cosmetics. It is not necessary that Biochemistry II be taken prior to this course.

1159 Astronomy	Quarter	Grades 11 - 12	.75 credit	Prerequisite: See recommendation
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Recommended: Current or previous enrollment in Chemistry or Chemistry Honors. You need good math skills and an interest in astronomy! This is a serious science class.

This is a one quarter course that teaches students theoretical and observational astronomy. In the classroom students learn about the history of astronomy, telescopes and optics, planetary motions, moon phases, the planets, stellar astrophysics, galaxies and the universe in general. Students are required to attend at least one hour-long night observation (after 8 pm) with the school's telescopes. Students will also make solar observations during class time. Because of the materials covered in class, a good knowledge of chemistry is required. Good math and science grades are a must to succeed in this class.

606 Science in the Kitchen	Quarter	Grades 9 – 12	.75 Credit	Prerequisite: None
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This course provides students with opportunities to participate in a variety of activities including food and science laboratory work. This is an interdisciplinary science course that integrates biology, chemistry, physics, and microbiology in the context of foods, and the global food industry. Students enrolled in this course will formulate, design, and carry out food based laboratory procedures and field investigation. Throughout the course, students will develop a growing understanding of how scientific principles apply to the composition of foods, the nutrition value of foods, food product development, food processing, food safety and sanitation, food packaging, and food storage. Students completing this course will be able to apply the principles of scientific inquiry to solve problems related to biology, physics, and chemistry in the context of highly advanced industry applications of foods.

SOCIAL STUDIES COURSES

9 TH GRADE SOCIAL STUDIES			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
2 Quarters	1201	Geography	No Prerequisite
Year	1205-1208	AP Human Geography	"C" or better in previous Social Studies courses

10 TH GRADE SOCIAL STUDIES			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Year	1223-1226	World History	No Prerequisite
Year	1229-1232	AP World History	"C" or better in previous Social Studies courses

11 TH GRADE SOCIAL STUDIES			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Year	1266-1269	US History	No Prerequisite
Year	1270-1273	AP US History	"C" or better in previous Social Studies courses
12 TH GRADE SOCIAL STUDIES			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
2 Quarters	1275	American Government - Hybrid	No Prerequisite
Year	1254-1257	AP American Government	"C" or better in previous Social Studies courses
2 Quarters	1284	General Economics - Hybrid	No prerequisite
Year	1287-1290	AP Economics	"C" or better in previous Social Studies courses

9 TH -10 TH GRADE SOCIAL STUDIES ELECTIVES			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Quarter	1203	Civics	No prerequisite
Quarter	1204	American Indian Studies	No prerequisite

10 TH -12 TH GRADE SOCIAL STUDIES ELECTIVES			
CREDIT	COURSE #	COURSE TITLE	CLASS INFORMATION
Quarter	1261	Criminal Justice: Crime & Police Investigations	No Prerequisite
Quarter	1262	Criminal Justice: Courts & Corrections	No Prerequisite
Quarter	1220	Controversial Global Issues	No Prerequisite
Quarter	1264	Gender Studies	No Prerequisite
Quarter	1251	Developmental Psychology	No Prerequisite
Quarter	1252	Abnormal Psychology	No Prerequisite
Quarter	1280	Sociology-Understanding Culture & Deviance	No Prerequisite
Quarter	1281	Sociology- Inequality & Social Institutions	No Prerequisite

SOCIAL STUDIES

1201 <u>Geography</u>	Semester (2 quarters)	Grade 9	1.5 credits	Prerequisite: None
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Geography will include: essential geographic skills, human geography, human systems, and the United States, Canada, Russia, Central Asia, East Asia, and the Persian Gulf states.

1205-1208 <u>AP Human Geography</u>	Year-long (4 quarters)	Grade 9	3 credits	Prerequisite: "C" or better in previous Social Studies course
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Note: This is a year-long weighted course. AP Human Geography is the equivalent of a first semester college human geography course which culminates with an advanced placement examination for which students may receive college credit and/or advanced placement credit based on the College Board (CEEB) when entering college. The course is intended as a survey of human geography and its contributions to an understanding of the world in which we live. The emphasis will include sections on physical geography, mapping, geographic information systems, cartographic skills, population, cultural patterns and process, political organization of space, agriculture and rural land use, industrialization and development, and cities and urban land use. This course will use a college textbook and students will be expected to complete college level work at college level pacing. Freshmen taking this course will fulfill their 9th grade Geography requirement. ***Summer assignments required for this course.**

1223-1226 <u>World History</u>	Year-long (4 quarters)	Grade 10	3 credits	Prerequisite: None
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World History is designed to help students understand the interconnectedness of our world. The course emphasizes balanced World History themes from the advent of agriculture to modern times covering regional history, geography, and contemporary issues. This is a required full year sophomore course and students should register for all four quarters.

1229-1232 <u>AP World History</u>	Year-long (4 quarters)	Grade 10	3 credits	Prerequisite: "C" or better in previous Social Studies Course
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Note: This is a year-long weighted course. AP World History is the equivalent of a freshman level college World History course which culminates with an advanced placement examination for which students may receive college credit and/or advanced placement based on the College Board (CEEB) when entering college. The course emphasizes balanced World History themes from the advent of agriculture to modern times. This course will use a college textbook and students will be expected to produce college-level work and maintain a college-level workload. Sophomores taking this course will fulfill their 10th grade Global Studies requirement. ***Summer assignments required for this course.**

1266-1269 <u>United States History</u>	Year-long (4 quarters)	Grade 11	3 credits	Prerequisite: None
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This is a required year -long course. This course will study the political and social history of the United States from approximately 1585 to the present.

This is a required full year junior course and students should register for all four quarters.

1270-1273 AP United States History Year-long (4 quarters) Grade 11 3 credit s

Prerequisite: "C" or better in previous Social Studies Course

Note: This is a year-long weighted course. Advanced Placement United States History is offered to high school juniors. Students will have a blended experience of in class face-to-face time and online time. Days not in class, students will be expected to use the Moodle class management system to complete online assignments. There is a summer assignment required for the course. This course emphasizes American History from early Colonial times through the present. AP U.S. History is the equivalent of a first-year college survey course, in which students will have a great deal of reading and outside-of-class written assignments. Note: This course or United States History is required for graduation. ***Summer assignments required for this course.**

1275 American Government - Hybrid Semester (2 quarters) Grade 12 1.5 credits Prerequisite: None

This one semester hybrid course is designed to expose students to the structure, policies, and politics of the American system of government. Study begins with the founding documents and continues through current politics and elections. ***Students must have frequent, dependable internet access, as the class is a hybrid of classroom and online learning.**

Note: This course or a 12th grade AP social studies course is required for graduation

1254-1257 Advanced Placement United States Government and Politics Year-long (4 quarters) Grade 12 3 credits

Prerequisite: "C" or better in previous Social Studies course

Note: This is a year-long weighted course. Advanced Placement American Government is designed to give students a critical perspective on politics and government. This course involves both the study of general concepts of U.S. government and politics as well as specific case studies. Units of study include: The Constitutional underpinnings of U.S. government, political beliefs and behaviors, political parties, institutions of national government, political policy, and civil rights and liberties. Students enrolled in AP Government will be encouraged to take the Advanced Placement Examination in May in hope of receiving college credit.

1284 General Economics - Hybrid Semester (2 quarters) Grade 12 1.5 credits Prerequisite: None

This one semester hybrid course introduces students to the study of economics by examining the basic principles of micro, macro, and international economics. Students who take this course will gain an understanding of how different economic systems operate; the role the government plays in the United States' economy. In addition, students will gain valuable skills in economic reasoning and personal finance. ***Students must have frequent, dependable internet access, as the class is a hybrid of classroom and online learning.**

Note: This course or a 12th grade AP social studies course is required for graduation.

1287-1290 AP Economics Year-long (4 quarters) Grade 12 3 credits

Prerequisite: "C" or better in previous Social Studies course

This year-long weighted course is designed to introduce students to economic theory in the fields of microeconomics and macroeconomics. The course is a rigorous, yet rewarding introduction into the basic principles that explain the economic activities of individuals, business firms, nations and the global economy. In addition to preparing students for the AP exam in micro and macroeconomics, students will examine economic theory and investigate how it applies to our day-to-day world. The course will explore microeconomic topics in the first half of the year and macroeconomic topics in the last half of the year. Special emphasis will be placed on developing the skills necessary to be successful on the AP exams, including general test-taking skills, answering free response questions, and the creation and analysis of graphs. By taking this one course, students will be eligible to earn credit for two college classes.

SOCIAL STUDIES ELECTIVES

1203 <u>Civics</u>	Quarter	Grades 9-10	.75 credit	Prerequisite: None
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Civics is a one quarter elective with a focus on the meaning and application of citizenship.

1204 <u>American Indian Studies</u>	Quarter	Grades 9-10	.75 credit	Prerequisite: None
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The content of this course will emphasize the tribal history of American Indians within the United States with a focus on Minnesota. It will also discuss contemporary issues in American Indian society.

1261 <u>Criminal Justice: Crime and Police Investigations</u>	Quarter	Grades 10-12	.75 credit	Prerequisite: None
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This course will study the history and trends of crime in the United States and the officers that investigate them. It will cover the topics of crime trends, risk factors, types of crimes, victims' rights, searches, interrogations, and your rights as a suspect.

1262 <u>Criminal Justice: Courts and Corrections</u>	Quarter	Grades 10-12	.75 credit	Prerequisite: None
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This course will study the process of the courts and the punishments that the criminal justice system can handout. It will cover the topics of court room roles, process of the trial, sentencing, corrections and post incarceration.

1220 <u>Controversial Global Issues</u>	Quarter	Grades 10-12	.75 credit	Prerequisite: None
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This course is a one quarter elective course. The focus is on the evaluation of major issues affecting the US and the world, as well as current events from around the world. Major themes are divided into domestic policy and foreign policy, and include: Constitutional Debates, Immigration, Crime and Drugs, Health Care, Poverty, Defense, Weapons Proliferation, International Organizations, Terrorism and major concerns in Africa, Asia, Europe & Russia, Latin America and the Middle East.

1264 <u>Gender Studies</u>	Quarter	Grades 10-12	.75 credit	Prerequisite: None
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Gender Studies is a one quarter elective course. This curriculum will look at global and national issues of women and taking into account historical and contemporary issues including social, racial cultural and economic factors influencing women in society. This course will examine multi and cross-cultural studies of conditions of the lives of women. By understanding the experiences of women throughout history students will be able to analyze the global situation of woman today and in the future. This course will also raise awareness of diversity and acceptance.

1251 <u>Developmental Psychology</u>	Quarter	Grades 10-12	.75 Credit	Prerequisite: None
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Developmental Psychology will examine the challenges and development in childhood-adulthood, learning styles, dream analysis, and altered states of consciousness. This course is for students interested in understanding why people (including themselves) behave the way they do. There is a wide variety of information provided in this course that can be applied to real life experiences.

1252 <u>Abnormal Psychology</u>	Quarter	Grades 10-12	.75 Credit	Prerequisite: None
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Abnormal Psychology will examine sensation and perception, psychological testing, psychological disorders, and group interaction. This course is designed for students who are interested in discovering the line between normal and abnormal human behavior, therapy and diagnosis of psychological disorders, and how group interaction can alter human behavior. The topics in this class include: anxiety disorders (PTSD, OCD), mood disorders (depression, suicide), psychosis (schizophrenia), and personality disorders (anti-social personality disorder).

1280 <u>Sociology- Understanding Culture and Deviance</u>	Quarter	Grades 10-12	.75 Credit	Prerequisite: None
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Understanding Culture and Deviant behavior will examine the topics of culture, socialization, and deviance/social control. This course is designed for students who are interested in discovering how language, values, norms, and social taboos have developed in various cultures, how people are influenced from birth by their culture, what causes people/groups to be deviant, and how we as a society attempt to control individual human behavior.

1281 <u>Sociology -Inequality and Social Institutions</u>	Quarter	Grades 10-12	.75 Credit	Prerequisite: None
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Inequality and Social Institutions will address the topics of social classes, race and ethnicity, sex and gender, age, and the family. This course is designed for students who are interested in examining the rise in poverty and the struggles of the middle class, race relations in America, sex and gender identity, ageism, and the role of families in America.

Inequality and Social Institutions will address the topics of social classes, race and ethnicity, sex and gender, age, and the family. This course is designed for students who are interested in examining the rise in poverty and the struggles of the middle class, race relations in America, sex and gender identity, ageism, and the role of families in America.

Open Periods/Student Aides

Students will register for their choice of quarter for Open Period (grades 11-12). Open Period are optional and there are no credits earned. Juniors and seniors may register for 2 quarters of open periods during each academic year.

4181	Quarter 1	Open Period	Grades 11 – 12	no credit
4182	Quarter 2	Open Period	Grades 11 – 12	no credit
4183	Quarter 1	Open Period	Grades 11 – 12	no credit
4184	Quarter 2	Open Period	Grades 11 – 12	no credit

Student Aides	Quarter	Grades 11-12	.50 credit	Prerequisite: Teacher Approval
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Note: Students will not register as aides during the normal registration process, but should request an aide application form within the first three (3) days of the quarter in which they wish to serve as an aide. A student may not be assigned as an aide for more than one hour per quarter.

Junior Work Program

001328	Work Seminar	Year-long (4 quarters)	Grade 11	3 credits
Prerequisite: Department Approval & Administration Approval				

This course is designed to provide students with the skills necessary for entry-level employment. The work will include exercises and activities which relate to general employability and life survival skills. Students work in small groups.

001329	Work Experience Internship	Year-long (4 quarters)	Grade 11	3 credits
Prerequisite: Department Approval & Administration Approval				

Students in this program receive on-the-job training in an occupation which will help prepare them to enter the work force. Students will be released from school to go to their work station after fifth hour class. Experience on-the-job is planned cooperatively by the employer, the school coordinator, and the student.

SPECIAL EDUCATION COURSES

Entrance to special education courses requires an Individual Education Plan (IEP). Course content is the direct result of IEP goals and objectives formulated by an IEP team consisting of parents, classroom teachers, the guidance counselor, the student, a special educator and possibly others depending on need.

1301-1304 <u>Language Arts 9-10</u>	Year-long (4 quarters)	Grades 9-10	3 credits
Prerequisite: Case Manager Approval			

This course is designed for students whose individual needs cannot be met in the general education setting. Emphasis will be in the areas of reading, comprehension, written expression and oral language. A highly structured and individualized approach is utilized according to the IEP goals.

1319-1322 <u>Language Arts 11-12</u>	Year-long (4 quarters)	Grades 11-12	3 credits
Prerequisite: Case Manager Approval			

This course is designed for students whose individual needs cannot be met in the general education setting. Emphasis will be in the areas of reading, comprehension, written expression and oral language. A highly structured and individualized approach is utilized according to the IEP goals.

1307-1310 <u>Basic Math</u>	Year-long (4 quarters)	Grades 9-12	3 credits
Prerequisite: Case Manager Approval			

This course emphasizes the acquisition and use of the basic math skills: addition, subtraction, multiplication, division, fractions, decimals, percentages, pre-algebra, and math life skills. This course will focus on the practical application of these skills according to IEP goals.

1315-1318 <u>Intermediate Math</u>	Year-long (4 quarters)	Grades 11-12	3 credits
Prerequisite: Case Manager Approval			

This course emphasizes the acquisition and use of these math skills: fractions, decimals, pre-algebra, algebra, geometry and math life skills. This course will focus on the practical application of these skills according to IEP goals.

1385-1388 <u>Acellus Math</u>	Year-long (4 quarters)	Grades 11-12	3 credits
Prerequisite: Case Manager Approval			

This course is designed for students whose individual needs cannot be met in the general education setting. The Acellus Learning System is the formal name of the curriculum used in the course and was developed by the International Academy of Science. It is a computer-based program that ensures individual mastery of skills before the introduction of new topics. Students move at their own pace with individualized remediation when necessary. The course offers on-line computer lectures coupled with teacher instruction.

1311-1314 <u>P.L.U.S.</u>	Year-long (4 quarters)	Grades 9-12	3 credits	Prerequisite: Case Manager Approval
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The P.L.U.S. program is a program for students whose behavior affects their learning at school and/or affects their relationships with other students, teachers, parents and friends. The program is designed to increase the opportunity to succeed, to develop a greater understanding of one's own self and to develop improved communication skills according to IEP goals.

1400-1403 <u>Social Studies 9-10</u>	Year-long (4 quarters)	Grades 9-10	3 credits	Prerequisite: Case Manager Approval
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This course deals with skills needed in everyday life. It includes social studies, government, and application of academic skills to life situations. Students work individually and in small groups according to IEP goals.

1404-1407 <u>Social Studies 11-12</u>	Year-long (4 quarters)	Grades 11-12	3 credits	Prerequisite: Case Manager Approval
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This course deals with skills needed in everyday life. It includes social studies, government, and application of academic skills to life situations. Students work individually and in small groups according to IEP goals.

1346-1349 <u>Seminar</u>	Year-long (4 quarters)	Grades 9-12	3 credits	Prerequisite: Case Manager Approval
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In Seminar students participate in individual and group activities that help prepare them for independence. Skills that are addressed could include, but are not limited to study skills, transition skills, IEP goals and objectives, disability awareness, time management, self-advocacy, and social skills. This course is only available to students who have an IEP.

SPECIAL CURRICULAR PROGRAMS

Post Secondary Enrollment Options

Post Secondary Enrollment Options	Grades 11-12	Prerequisite: Application through Counselor
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PSEO is a Minnesota mandated program in which high school juniors and seniors may take classes, either as full-time or part-time students, at colleges or technical colleges. Credits earned will be applied to the student's college transcript as well as counting toward the high school diploma (3 high school credits are equivalent to 4 college semester credits). Minnesota law states that no more credits than the maximum high school credits possible for a year may be taken (Equal to 21 credits per year).

Students must first decide if this program will be to their benefit and not interfere with high school academics, co-curricular activities, and possible part-time employment. They then must determine their eligibility for admission to the college and, if eligible, obtain, complete and mail the applications and any required supportive documents. Some colleges may require an interview as part of the admission process. Application deadlines vary, but generally colleges accept applications 3-6 months preceding the term the student desires to begin college studies. The student has four semesters to use this program, and it is only available during the regular academic school year (September-June).

College level work can be considerably more difficult and time-consuming than high school course work. Students must be sure they can handle all facets of their life before committing to the PSEO program.

All subjects and grades will be recorded on the student's high school cumulative record and will be used in meeting high school diploma requirements. In general, **PSEO grades are not weighted** when student GPA's are calculated. All subjects and grades from the college will be recorded on the high school record, as received, and will count in the student's grade point average and class rank.

If a student is taking a college course in the spring term, and such course is meeting a high school graduation requirement, the student may participate in the commencement program in June, but will not receive their diploma until verification is received by the high school staff that the course has been successfully completed. College transcripts are not received by the high school until 3 to 5 weeks after the college term is completed.

Students who participate in this program should maintain communication each semester with their high school counselor to be sure they are meeting high school graduation requirements. Those students who attend college on a full-time basis will not be in the high school to know about senior graduation activities (i.e. cap and gown measurement/order, graduation announcement orders, etc.). They should also communicate regularly with the high school principal's secretary to be aware of such activities.

This program offers students the opportunity to expand their academic horizons and take courses, which may challenge and interest them. The State of Minnesota will pay the tuition, fees, and books for each course taken. Students are responsible for their own transportation to and from the college or technical college.

The student's counselor will be available to confer with the students and parents concerning this program and to assist in determining which options of college choice, courses, and periods/hours would best meet the students' needs and fulfill graduation requirements. We will offer several information sessions in the spring of each year (February) for those students interested in exploring the PSEO option.

Note: Students should register for full schedule at PLHS during course registration process each spring unless he/she is currently a PSEO student.

Minnesota Center for Advanced Professional Studies (MNCAPS) Medicine & Healthcare Pathway

The MNCAPS Medicine & Healthcare Pathway allows students the opportunity to engage in a real-world experience in the healthcare environment where they can learn and get direct exposure to future employment opportunities in this growing industry. While in the healthcare setting, students will regularly spend time on site visits and rotational clinical experiences with leaders in the health and wellness industries. Designed together with professionals from the health industry, students will have a firm understanding of the various aspects of health care, including a generalist view of the many professions available to them as prospective health care employees. Students will spend three periods (half a day), both semesters at the MNCAPS location, engaging in medical and healthcare related courses.

HIGH SCHOOL & POTENTIAL COLLEGE CREDIT

Students will earn High School Credit for each of the courses taken at MNCAPS. A student earning a passing grade of 70% or better in the course may earn college credit(s) through College Now Concurrent Enrollment Program. If the MNCAPS course contains Minnesota Transfer Curriculum (MnTC) it may transfer to one of the Minnesota State College & Universities (MnSCU).

GUEST INSTRUCTORS

Guest instructors provide their expertise on topics aligned to the MNCAPS curriculum. Teachers use an approach to learning, which enables students to master academic core content first and then see how this learning is implemented by healthcare professionals in a real world environments of medicine, sports exercise and wellness.

MENTORSHIP AND NETWORKING

All MNCAPS students have a 1:1 mentor. Mentors often open doors and guest instructors freely share their contact information, some provide employment opportunities and extended site visits.

Minnesota Center for Advanced Professional Studies (MNCAPS)

Medicine & Healthcare Pathway Year One

COURSE CREDIT

First Semester (3 Hours) MNCAPS Medicine & Healthcare Pathway Year One

H.S. CREDIT	COURSE #	POTENTIAL COLLEGE CREDIT	MnTC Goals	COURSE TITLE	PREREQUISITE	OFFERED
Semester	8000/8001	4		MNCAPS Healthcare Core Curriculum (HCCC)	None	11-12
Semester	8002/8003	3		MNCAPS Health Profession Terminology	None	11-12
Semester	8004/8005			MNCAPS Interpersonal Communications	None	11-12

Second Semester (3 Hours) MNCAPS Medicine & Healthcare Pathway Year One

H.S. CREDIT	COURSE #	POTENTIAL COLLEGE CREDIT	MnTC Goals	COURSE TITLE	PREREQUISITE	OFFERED
Semester	8006/8007	3		MNCAPS Healthcare in the U.S.	None	11-12
Semester	8008/8009	3		MNCAPS Personal & Community Health	None	11-12
Semester	8010/8011	4	1 - Communications 2 - Critical Thinking	MNCAPS College Freshman Composition	None	11-12

First Semester (3 Hours) MNCAPS Medicine & Healthcare Pathway Year One

8000/8001 MNCAPS Healthcare Core Curriculum	Semester	Grades 11-12	Prerequisite: None
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Course Description:

This course is the study of the exploration of the Healthcare profession in regards to career exploration, communications, behaviors of staff and clients, safety, healthcare legalities and ethics. The primary units of study include Health Career Exploration, Behaviors for Success in Healthcare Settings, Communications in Healthcare Settings, Awareness and Sensitivity to Client Needs, Respecting Client and Staff Diversity, Healthcare Safety and Standard Precautions, Legal Issues in Healthcare, and Healthcare Ethics. The students will demonstrate learning through assignments, writing, and projects.

8002/8003 MNCAPS Health Professions Terminology & CPR	Semester	Grades 11-12	Prerequisite: None
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Course Description:

This course is the study of the medical language used in all professions and industries relating to healthcare and the introduction of body systems in relation to medical terminology, utilization, understanding, and pronunciation of medical terms. The course is also the study of the basic understanding of CPR principles. The primary units of study include the structure of the medical language, relationships among medical terms, analyze and interpret medical communications use to document healthcare, essential medical terminology for each body system, and CPR. The students will demonstrate learning through assignments, writing, quizzes/tests, case studies, and projects.

8004/8005 MNCAPS Interpersonal Communications	Semester	Grades 11-12	Prerequisite: None
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Course Description:

This course is the study of speech and communication skill in regards to examining and developing effective interpersonal communication interaction with others in different relationships and in various communication contexts. The primary units of study include communication theory, self-concept, perceptions, verbal communication, nonverbal communication, self-disclosure, assertiveness, emotions, listening, conflict, and relationships. The students will demonstrate learning through speeches, presentations, case studies, and verbal and nonverbal communication with mentors, teachers, students, and other experts in the field of study.

Second Semester (3 Hours) MNCAPS Medicine & Healthcare Pathway Year One

8006/8007	MNCAPS Healthcare in the U.S.	Semester	Grades 11-12	Prerequisite: None
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Course Description:

This course is the study of the history, organization, influences, and delivery of healthcare in the U.S. and abroad. It will focus on analyzing the factors that have shaped our healthcare system compared to other parts of the globe. The primary units of study include healthcare institutions, functions of hospitals, and other facilities; accountability in healthcare, hierarchy of the healthcare system, organizational structure, and the role of government in healthcare. The students will demonstrate learning through assignments, writing, quizzes/tests, case studies, and projects.

8008/8009	MNCAPS Contemporary Health Issues & First Aid	Semester	Grades 11-12	Prerequisite: None
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Course Description:

This course is the study of contemporary health trends and implications for the individual, family, community, and society. Emphasis is placed on the prevention of health problems through the thoughtful examination of ethical issues and the exercising of personal responsibility relative to lifestyle choices. The course is also the study of the basic understanding of First Aid. The primary units of study include Health for the 21st Century, stress management, psychological and emotional health, physical fitness, nutritional choices for healthy lifestyle, responsible relationships, Immune system and preventing communicable diseases, lifestyle choices, risks for Cardiovascular Disease, Cancer, Substance use, circle of life, proactive patient, and First Aid bandaging, splinting, rescue, and transfer skills. The students will demonstrate learning through assignments, writing, quizzes/tests, case studies, and projects.

8010/8011	MNCAPS College Freshman Composition	Semester	Grades 11-12	Prerequisite: None
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Course Description:

This course is the study of critical thinking and writing skills necessary in college and professional writing, focusing on the field of medicine and healthcare. The primary units of study include the writing process to compose academic essays, conventions of academic writing, analysis of audiences, academic research, evaluation of sources for accuracy, appropriateness, and relevance, and synthesize information from various sources using original ideas in the field of study. The students will demonstrate learning through assignments, writing, and projects.

Minnesota Center for Advanced Professional Studies (MNCAPS) Medicine & Healthcare Pathway Year Two

COURSE CREDIT

First Semester (2 Hours) MNCAPS Medicine & Healthcare Pathway Year Two

H.S. CREDIT	COURSE #	COLLEGE CREDIT	MnTC Goals	COURSE TITLE	PREREQUISITE	OFFERED
Semester	8012/8013	3		MNCAPS Introduction to Exercise Science	MNCAPS Medicine & Healthcare Year One	12
Semester	8014/8015			MNCAPS AP Psychology	MNCAPS Medicine & Healthcare Year One	12

Second Semester (3 Hours) MNCAPS Medicine & Healthcare Pathway Year Two

H.S. CREDIT	COURSE #	COLLEGE CREDIT	MnTC Goals	COURSE TITLE	PREREQUISITE	OFFERED
Semester	8018/8019	4		MNCAPS Nursing Assistant Certificate	MNCAPS Medicine & Healthcare Year One	12
Semester	8016/8017			MNCAPS AP Psychology	MNCAPS Medicine & Healthcare Year One	12

First Semester (2 Hours) MNCAPS Medicine & Healthcare Pathway Year Two

8012/8013 MNCAPS Introduction to Exercise Science Medicine & Healthcare Year 1	Semester	Grades 12	Prerequisite: MNCAPS
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Course Description: This course is the study of the science of human movement and the field of kinesiology. The primary units of study include exercise physiology, sport and exercise psychology, biomechanics, motor behavior, sociocultural aspects of sport and exercise, sport nutrition, and other related topics. The students will demonstrate learning through assignments, writing, and projects.

8014/8015 MNCAPS AP Psychology Year 1	Semester	Grades 12	Prerequisite: MNCAPS Medicine & Healthcare
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Course Description: This course is the scientific study of the mental processes of human behavior; and the ethics and methods psychologists use in their science and practice. The primary units of study include neurobiology, states of consciousness, learning, memory, cognition, sensation and perception, emotion and motivation, development, abnormal behaviors, therapies, social psychology and methodology. The students will demonstrate learning through tests, quizzes, group work, computer lab experiments, individual projects and in-class discussion.

Second Semester (2 Hours) MNCAPS Medicine & Healthcare Pathway Year Two

8018/8019 MNCAPS Nursing Assistant Certificate Medicine & Healthcare Year 1	Semester	Grades 12	Prerequisite: MNCAPS
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Course Description: This course is the study of physical nursing care for individuals in long term care facilities, hospitals, or board and care homes. Students learn how to measure vital signs and assist individuals with physical and emotional needs. The primary units of study include physical, nutritional, emotional, psychosocial needs, and behavior management for individuals. The students will demonstrate learning through assignments, writing, projects, lab, and clinicals.

8016/8017 MNCAPS AP Psychology Year 1	Semester	Grades 12	Prerequisite: MNCAPS Medicine & Healthcare
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Course Description: This course is the scientific study of the mental processes of human behavior; and the ethics and methods psychologists use in their science and practice. The primary units of study include neurobiology, states of consciousness, learning, memory, cognition, sensation and perception, emotion and motivation, development, abnormal behaviors, therapies, social psychology and methodology. The students will demonstrate learning through tests, quizzes, group work, computer lab experiments, individual projects and in-class discussion.

Minnesota Center for Advanced Professional Studies (MNCAPS) Business Pathway

The Minnesota Center for Advanced Professional Studies (MNCAPS) Business pathway allows students to engage in a real-world experience in high-demand corporate environments. The MNCAPS Business Pathway will utilize project-based learning and case study methods to introduce general business and marketing concepts with an entrepreneurial focus. Students will learn how to research an industry, observe market trends and develop their own domestic business plan with the intention to take it global. In addition, they will learn skills in project management and strategy by working with outside clients on real world projects in a variety of business processes. Students will spend three periods (half a day), both semesters at the MNCAPS location, working on partner-driven projects, solving business problems and experiencing the challenges of project-based work. This pathway requires students to apply these concepts to designing, implementing and reporting on a business research project and will be evaluated by both the teachers and the clients for whom they conduct the project.

HIGH SCHOOL & POTENTIAL COLLEGE CREDIT

Students will earn High School Credit for each of the courses taken at MNCAPS. A student earning a passing grade of 70% or better in the course may earn college credit(s) through College Now Concurrent Enrollment Program. If the MNCAPS course contains Minnesota Transfer Curriculum (MnTC) it may transfer to one of the Minnesota State College & Universities (MnSCU).

GUEST INSTRUCTORS

Guest instructors provide their expertise on topics aligned to the MNCAPS curriculum. Teachers use an approach to learning, which enables students to master academic core content first and then see how this learning is implemented by business partners to provide solutions to real-world challenges.

MENTORSHIP AND NETWORKING

All MNCAPS students have a 1:1 mentor. Mentors often open doors and guest instructors freely share their contact information, some provide employment opportunities and extended site visits.

Minnesota Center for Advanced Professional Studies (MNCAPS)

Business Pathway Courses Year One

COURSE CREDIT

First Semester (3 Hours) MNCAPS Business Pathway Year One

H.S. CREDIT	COURSE #	COLLEGE CREDIT	MnTC Goals	COURSE TITLE	PREREQUISITE	OFFERED
Semester	8100/8101	3		MNCAPS Introduction to Business	None	11-12
Semester	8102/8103			MNCAPS AP Microeconomics	None	11-12
Semester	8010/8011	4	1 - Communications 2 - Critical Thinking	MNCAPS College Freshman Composition	None	11-12

Second Semester (3 Hours) MNCAPS Business Pathway Year One

H.S. CREDIT	COURSE #	COLLEGE CREDIT	MnTC Goals	COURSE TITLE	PREREQUISITE	OFFERED
Semester	8106/8107	4		MNCAPS Marketing Concepts & Strategies	None	11-12
Semester	8112/8113			MNCAPS AP Macroeconomics	None	11-12
Semester	8110/8111			MNCAPS Public Speaking	None	11-12

First Semester (3 Hours) MNCAPS Business Pathway Year One

8100/8101 MNCAPS Introduction to Business
None

Semester

Grades 11-12

Prerequisite:

Course Description:

This college level course is the study of the role of business in the American economy and the international community. Students will look at issues of business and society; as well as, legal, regulatory, and political responsibilities on the part of American business. An introduction and overview of Marketing will also be covered throughout the semester. The primary units of study include how business evolves, Free Market economy, ethical and social responsibility, international business, e-business, small business, entrepreneurship, franchises, monetary and banking systems, finance, investments, accounting, and the marketing mix. The students will demonstrate learning through assignments, projects, presentations, and participation.

8102/8103 MNCAPS AP Microeconomics
None

Semester

Grades 11-12

Prerequisite:

Course Description:

This course is the study of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. The primary units of study include the nature and functions of product markets including the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. The students will demonstrate learning through assignments, projects, quizzes and/or tests, presentations, and participation.

8010/8011 MNCAPS College Freshman Composition
None

Semester

Grades 11-12

Prerequisite:

Course Description:

This course is the study of critical thinking and writing skills necessary in college and professional writing, focusing on the field of business. The primary units of study include the writing process to compose academic essays, conventions of academic writing, analysis of audiences, academic research, evaluation of sources for accuracy, appropriateness, and relevance, and synthesis of information from various sources using original ideas in the field of study. The students will demonstrate learning through assignments, writing, and projects.

Second Semester (3 Hours) MNCAPS Business Pathway Year One

8106/8107 MNCAPS Marketing Concepts & Strategies

Semester

Grades 11-12

Prerequisite:

None

Course Description:

This course is the study of marketing principles and practices, including discussion of the marketing mix, the four 'p's' of marketing, buyer behavior, target markets, and electronic marketing concepts. The primary units of study include strategic marketing, marketing plans, consumer buying behavior, role of product in marketing, advertising and publicity, product pricing, and marketing sales in the field of study. The students will demonstrate learning through assignments, projects, presentations, and participation.

8112/8113 MNCAPS AP Macroeconomics

Semester

Grades 11-12

Prerequisite:

None

Course Description:

This course is the study of the principles of economics that apply to an economic system as a whole while placing particular emphasis on the study of national income and price determination. The primary units of study include focus on performance measures, economic growth, and international economics. A special emphasis is placed on the analysis of current economic problems and the presentation of several different economic schools of thought. The students will demonstrate learning through assignments, projects, quizzes and/or tests, presentations, and participation.

8110/8111 MNCAPS Public Speaking

Semester

Grades 11-12

Prerequisite:

None

Course Description:

This course is the study of speech and communication skills, emphasizing formal public speaking. Students will analyze audience to develop and apply persuasive strategies for an effective delivery in the field of study. The primary units of study include analyze the components of speeches, speech topics, audiences, supporting materials, persuasive strategies and effective delivery methods. The students will demonstrate learning through assignments, presentations, and participation.

Minnesota Center for Advanced Professional Studies (MNCAPS)

Business Pathway Courses Year Two

COURSE CREDIT

First Semester (2 Hours) MNCAPS Business Pathway Year Two

H.S. CREDIT	COURSE #	COLLEGE CREDIT	MnTC Goals	COURSE TITLE	PREREQUISITE	OFFERED
Semester	8114/8115	3		MNCAPS Business Finance	MNCAPS Business Pathway Year 1	12
Semester	8116/8117			MNCAPS AP Statistics	MNCAPS Business Pathway Year 1	12

Second Semester (2 Hours) MNCAPS Business Pathway Year Two

H.S. CREDIT	COURSE #	COLLEGE CREDIT	MnTC Goals	COURSE TITLE	PREREQUISITE	OFFERED
Semester	8120/8121	3		MNCAPS Entrepreneurship	MNCAPS Business Pathway Year 1	12
Semester	8118/8119			MNCAPS AP Statistics	MNCAPS Business Pathway Year 1	12

First Semester (2 Hours) MNCAPS Business Pathway Year Two

8114/8115 MNCAPS Business Finance	Semester	Grades 12	Prerequisite: MNCAPS Business Pathway Year 1
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Course Description:

This course is the study of business finance principles including planning tools, investment viability, financial position and performance, liquidity, and financing options. The primary units of study include mainstream investment options, profitability under alternative inventory costing methods, cost-volume-profit analysis, financial management principles, financial statements, financial calculations, short-term and long-term financing, and operating and capital budgets. The students will demonstrate learning through assignments, writing, and projects.

8116/8117 MNCAPS AP Statistics	Semester	Grades 12	Prerequisite: MNCAPS Business Pathway Year 1
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Course Description:

This course is the study of collecting, analyzing, and drawing conclusions from data. The primary units of study include exploring data by observing patterns and departures from patterns, planning a study by deciding what and how to measure, anticipating patterns by producing models using probability and simulations, and using statistical inference by confirming models. The students will demonstrate learning through quizzes, labs, tests, projects and the AP Statistics test in May.

Second Semester (2 Hours) MNCAPS Business Pathway Year Two

8120/8121 MNCAPS Entrepreneurship
Year 1

Semester

Grades 12

Prerequisite: MNCAPS Business Pathway

Course Description:

This course is the study of process of creating and developing a business venture. The course will cover four phases of new venture development, (1) opportunity identification, (2) feasibility analysis, (3) execution strategy and business plan development, and (4) growth, change and harvest strategies. The focus will be on the planning, financing, and managing of a selected venture. In addition to learning the process, students will select an idea for a new venture and create a business plan. The primary units of study include challenges and rewards of entrepreneurship, characteristics of entrepreneurship, entrepreneurial ethics, corporate management, business plans, start-ups and buyouts, franchise agreements, debt and equity financing, and valuation techniques. The students will demonstrate learning through assignments, writing, and projects.

8118/8119 MNCAPS AP Statistics
Year 1

Semester

Grades 12

Prerequisite: MNCAPS Business Pathway

Course Description:

This course is the study of collecting, analyzing, and drawing conclusions from data. The primary units of study include exploring data by observing patterns and departures from patterns, planning a study by deciding what and how to measure, anticipating patterns by producing models using probability and simulations, and using statistical inference by confirming models. The students will demonstrate learning through quizzes, labs, tests, projects and the AP Statistics test in May.

Minnesota Center for Advanced Professional Studies (MNCAPS) Technology & Design Pathway

The Minnesota Center for Advanced Professional Studies (MNCAPS) Technology & Design pathway allows students to engage in a real-world experience in high-demand corporate environments. The MNCAPS Technology & Design Pathway will utilize project-based learning and case study methods to introduce general computer science and design concepts with an entrepreneurial focus. Students will learn how to research industry demands, observe technology trends, study program methodology, design application, and develop their own technology projects with the intention to take it global. In addition, they will learn project management and strategy by working with outside clients on real world projects in a variety of technology and business processes. Students will spend three periods (half a day), both semesters at the MNCAPS location, working on partner-driven projects, solving technology and design business problems and experiencing the challenges of project-based work. This pathway requires students to apply these concepts to designing, implementing and reporting on a technology and design research project and will be evaluated by both the teachers and the clients for whom they conduct the project.

HIGH SCHOOL & POTENTIAL COLLEGE CREDIT

Students will earn High School Credit for each of the courses taken at MNCAPS. A student earning a passing grade of 70% or better in the course may earn college credit(s) through College Now Concurrent Enrollment Program. If the MNCAPS course contains Minnesota Transfer Curriculum (MnTC) it may transfer to one of the Minnesota State College & Universities (MnSCU).

GUEST INSTRUCTORS

Guest instructors provide their expertise on topics aligned to the MNCAPS curriculum. Teachers use an approach to learning, which enables students to master academic core content first and then see how this learning is implemented by business partners to provide solutions to real-world challenges.

MENTORSHIP AND NETWORKING

All MNCAPS students have a 1:1 mentor. Mentors often open doors and guest instructors freely share their contact information, some provide employment opportunities and extended site visits.

Minnesota Center for Advanced Professional Studies (MNCAPS)

Technology & Design Pathway Year One

COURSE CREDIT

First Semester (3 Hours) MNCAPS Technology & Design Pathway Year One

H.S. CREDIT	COURSE #	COLLEGE CREDIT	MnTC Goals	COURSE TITLE	PREREQUISITE	OFFERED
Semester	8200/8201			MNCAPS AP Computer Science A	Intermediate Algebra and Geometry	11-12
Semester	8204/8205	3		MNCAPS Graphic Design	None	11-12
Semester	8004/8005			MNCAPS Interpersonal Communication	None	11-12

Second Semester (3 Hours) MNCAPS Technology & Design Pathway Year One

H.S. CREDIT	COURSE #	COLLEGE CREDIT	MnTC Goals	COURSE TITLE	PREREQUISITE	OFFERED
Semester	8202/8203			MNCAPS AP Computer Science A	None	11-12
Semester	8206/8207	3		MNCAPS Web Design & Development	None	11-12
Semester	8208/8209			MNCAPS Technical Writing	None	11-12

First Semester (3 Hours) MNCAPS Technology & Design Pathway Year One

8200/8201 MNCAPS AP Computer Science A Algebra and Geometry	Semester	Grades 11-12	Prerequisite: Intermediate
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Course Description:

This course is the study of object-oriented programming methodology with an emphasis on problem solving and algorithm development. It also includes the study of data structures and abstraction. The primary units of study include control statements, using classes and objects, arrays, recursion, data structures, coding, programming, and JAVA. The students will demonstrate learning through written programs, homework assignments, tests, projects, and the AP Computer Science A test in May.

8204/8205 MNCAPS Graphic Design None	Semester	Grades 11-12	Prerequisite:
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Course Description:

This course is the study of various design concepts that allow a thought, idea or message to be effectively communicated in print, web, or the multimedia. The primary units of study include the historical overview, technological advances, common applications, basic design principles, layout and advertising concepts, typographical creativity, common tools and measuring systems. The students will demonstrate learning through assignments, projects, presentations, and participation.

8004/8005 MNCAPS Interpersonal Communication None	Semester	Grades 11-12	Prerequisite:
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Course Description:

This course is the study of various tools web designers use to produce effective website that meet industry demands. Students will plan, design, and develop a basic website utilizing HTML (hypertext markup language) and CSS (Cascading Style Sheets) according to W3C (World Wide Web Consortium) standards. The primary units of study include asset management, image optimization, web hosting, site planning, HTML, CSS, formatting, design, website design and construction. The students will demonstrate learning through assignments, projects, presentations, and participation.

Second Semester (3 Hours) MNCAPS Technology & Design Pathway Year One

8202/8203 MNCAPS AP Computer Science A Algebra and Geometry	Semester	Grades 11-12	Prerequisite: Intermediate
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Course Description:

This course is the study of object-oriented programming methodology with an emphasis on problem solving and algorithm development. It also includes the study of data structures and abstraction. The primary units of study include control statements, using classes and objects, arrays, recursion, data structures, coding, programming, and JAVA. The students will demonstrate learning through written programs, homework assignments, tests, projects, and the AP Computer Science A test in May.

8206/8207 MNCAPS Web Design & Development None	Semester	Grades 11-12	Prerequisite:
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Course Description:

This course is the study of various tools web designers use to produce effective website that meet industry demands. Students will plan, design, and develop a basic website utilizing HTML (hypertext markup language) and CSS (Cascading Style Sheets) according to W3C (World Wide Web Consortium) standards. The primary units of study include asset management, image optimization, web hosting, site planning, HTML, CSS, formatting, design, website design and construction. The students will demonstrate learning through assignments, projects, presentations, and participation.

8208/8209 MNCAPS Technical Writing None	Semester	Grades 11-12	Prerequisite:
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Course Description:

This course is the study of effective technical writing techniques through various writing styles, audience analysis, ethics, intercultural issues, documentation of sources, reports and proposals. The primary units of study include the technical writing process, audience, rhetorical strategies, intercultural relations, accuracy and relevance, persuasion, and conventions. The students will demonstrate learning through assignments, reports, projects, presentations, and participation.

Alternative Educational Options

If you are a middle level, senior high or adult learner and have experienced or are experiencing difficulty in school or have dropped out of school, there are educational options available through your local school district.

The High School Graduation Incentives (HSGI) Act was established to provide incentives and encouragement to learners that are working to complete their high school education. Learners (ages 16 through 20) are eligible to choose their school program under HSGI if they are:

- at least two grade levels below the performance level for students of the same age in a locally determined achievement test; or
- at least one year behind in satisfactorily completing course work or obtaining credits for graduation; or
- pregnant or a parent; or
- been assessed as chemically dependent; or
- been physically or sexually abused; or
- experienced mental health problems; or
- been homeless sometime in the last 6 months; or
- been excluded or expelled from school; or
- been referred by the school for enrollment in an eligible program or an alternative program.

If you are interested in this educational option or would like more information, please contact your counselor at the PLHS Guidance Office at (952) 226-8602.

EXTRA CURRICULAR ACTIVITIES

These are the extracurricular activities offered at Prior Lake High School.

Bowling (F)	Ski and Snowboard Club (W)
Boys Soccer (F)	Speech (W)
Chess Club (F)	Wrestling (W)
Cheerleading (F)	
Cross Country Running (Coed) (F)	Baseball (S)
Fall Play (F)	Boys Golf
Football (F)	Boys Lacrosse (S)
Girls Soccer (F)	Boys Tennis (S)
Girls Swimming (F)	Boys Track (S)
Girls Tennis (F)	Girls Golf (S)
Girls Volleyball (F)	Girls Lacrosse (S)
	Girls Track (S)
Alpine Ski (W)	Softball (S)
Boys Basketball (W)	Spring Play (S)
Boys Hockey (W)	Synchronized Swimming (S)
Boys Swimming (W)	Trap Shooting (S)
Cross Country Skiing (Coed) (W)	
Dance Team (W)	Equestrian Club (Y)
Girls Basketball (W)	SADD (Y)
Girls Gymnastics (W)	Jazz Ensemble (Y)
Girls Hockey (W)	L.I.V.E. (Y)
Mock Trial (W)	Madjazz (Y)
One Act Play (W)	National Honor Society (Y)
Robotics (W)	Pep Band (Y)
	Spirit Players (Y)
	Student Council (Y)
	Synergy (Y)

(F) Fall

(W) Winter

(S) Spring

(Y) Year-long (4 quarters)

PLHS High School 4-Year Graduation Plan

Name: _____

Graduation Year: _____

Course	Required Credits for 2016	Required Credits for 2017	Required Credits for 2018	Required Credits for 2019
English	12	12	12	12
Social Studies	10.5	10.5	10.5	10.5
Mathematics	9	9	9	9
Science	9	9	9	9
Physical Education	1.5	1.5	1.5	1.5
Health	1.5	1.5	1.5	1.5
Arts	3	3	3	3
Electives	16.5	16.5	16.5	16.5
Total credits required to earn a PLHS diploma	63	63	63	63

Six courses per semester required.

9 th GRADE SEMESTER I (2 Quarters)		9 th GRADE SEMESTER II (2 Quarters)	
1.	English 9 General or H/Pre-AP	1.	English 9 General or H/Pre-AP
2.	Mathematics: _____	2.	Mathematics: _____
3.	Physical Science	3.	Physical Science
4.	Social St 9 (SEM) or AP Human Geography (Y)	4.	(Q) Health (Q) PE
5.	_____/_____	5.	_____/_____
6.	_____/_____	6.	_____/_____
10 th GRADE SEMESTER I (2 Quarters)		10 th GRADE SEMESTER II (2 Quarters)	
1.	English 10 General Honors Pre AP	1.	English 10 General Honors Pre AP
2.	Mathematics: _____	2.	Mathematics: _____
3.	Biology	3.	Biology
4.	Global Studies or AP World History	4.	Global Studies or AP World History
5.	_____/_____	5.	_____/_____
6.	_____/_____	6.	_____/_____
11 th GRADE SEMESTER I (2 Quarters)		11 th GRADE SEMESTER II (2 Quarters)	
1.	English 11 Gen Honors AP Lang Comp	1.	English: 11 Gen Honors AP Lang Comp
2.	Mathematics: _____	2.	Mathematics: _____
3.	Science: _____	3.	Science: _____
4.	US History or AP US History	4.	US History or AP US History
5.	_____/_____	5.	_____/_____
6.	_____/_____	6.	_____/_____
12 th GRADE SEMESTER I (2 Quarters)		12 th GRADE SEMESTER II (2 Quarters)	
1.	English: _____	1.	English: _____
2.	Social: _____	2.	Social: _____
3.	Science: _____/_____	3.	Science: _____/_____
4.	_____/_____	4.	_____/_____
5.	_____/_____	5.	_____/_____
6.	_____/_____	6.	_____/_____

Sample Schedules:

GRADE 9

English 9	English 9	English 9	English 9
Geometry	Geometry	Geometry	Geometry
Physical Science	Physical Science	Physical Science	Physical Science
Geography	Geography	Health 9	Phy. Ed 9
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

Scheduling Considerations:

- Zero hour may be an option if a student chooses to pursue additional coursework.
- Students must take 4 quarters (total) of Art/Technical Arts* in grades 9-12 to complete their graduation requirements.
- Students must complete 1 quarter of health** and 1 quarter of Phy. Ed. **(total) in grades 10-12 to complete their graduation requirements.
- Juniors and seniors can take up to 2 quarters of an open period each year; however if they are taking multiple AP courses, then they can take up to 4 quarters of an open period each year.

GRADE 10

English 10	English 10	English 10	English 10
Algebra II	Algebra II	Algebra II	Algebra II
Biology	Biology	Biology	Biology
Global Studies	Global Studies	Global Studies	Global Studies
Art*	Art*	Art*	Art*
Elective	Elective	Elective	Elective

GRADE 11

English 11	English 11	English 11	English 11
Math Analysis	Math Analysis	Math Analysis	Math Analysis
Chemistry	Chemistry	Chemistry	Chemistry
U.S. History	U.S. History	U.S. History	U.S. History
Phy. Ed**	Health**	Elective	Elective
Elective	Elective	Elective	Elective

GRADE 12

English 12	College Prep Grammar	Speech	Humanities
Precalculus	Precalculus	Precalculus	Precalculus
Physics	Physics	Physics	Physics
American Gov't.	American Gov't.	Economics	Economics
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

