

Chilton High School

2009-2010

Course Description & Registration Guide

NOTICE OF NON-DISCRIMINATION POLICY

It is the policy of the School District of Chilton that no person shall, on the basis of sex, race, color, national origin, ancestry, creed, pregnancy, marital, paternal status, sexual orientation or physical, mental, emotional or learning disability, or other criteria established by the government of the United States of America or the State of Wisconsin, be denied admission to any school or be denied participation in nor the benefits of or be discriminated against in any class, program, or activity and in employment. All Vocational Education Programs adhere to the District's policies of non-discrimination.

Specific complaints of alleged discrimination should be referred to:

Pam Schuster, Principal
Chilton Elementary School
421 Court Street
Chilton, WI 53014

Or

Rich Appel, Principal
Chilton Middle School
421 Court Street
Chilton, WI 53014

Or

Tim Schaid, Principal
Chilton High School
530 W. Main Street
Chilton, WI 53014

Or

Claire Martin, Superintendent
Public School District of Chilton
530 West Main Street
Chilton, WI 53014

A Message To Students & Parents

Dear CHS Students & Parents,

Welcome to the registration process for the 2009/2010 school year! The registration process is of primary importance to students as they engage in making school programming decisions, because those decisions may significantly shape the direction of their lives and career choices. Therefore, it is crucial that students follow all instructions carefully. This booklet is designed to assist students and their parents with that process.

We encourage students to be long-range planners. Students should use the tools and forms contained within this booklet to not only plan the courses in which they wish to enroll for next year, but also keep a watchful eye on what they have taken in the past and what they propose to take in the future. Students should keep their options open and develop a high school program that will allow them flexibility as they face future career decisions in an ever-changing world. Preparing well in high school increases the number of choices students will have as they explore the world of work, military and/or the colleges they wish to attend, be they 2- or 4-year university programs or 2-year technical associate programs.

Students should plan for courses in high school that will help them develop fully as a person. Academically, students should develop competencies in reading, writing, speaking, listening, mathematics, reasoning, and organized study. Students should seek core-curricular coursework as well as exploratory courses and extra-curricular activities that will assist them as they grow socially and emotionally. Finally, students should use every high school experience to grow to understand who they are as a person, what they value and why, and how these understandings of self will connect to the world and to others with whom they share their world.

General recommendations for a sound academic program in high school include 1) four credits of English; 2) three to four credits of Mathematics; 3) three to four credits of Science; 4) four credits of Social Studies; 5) two years of a single Foreign Language; and 6) students should plan for additional course work that will allow them to be computer literate, have experience with the visual and performing arts, and understand the necessity of remaining physically fit. Reviewing the pages that follow will provide students with more specific information about required courses, exploratory courses, how often they meet, their credit value, and recommended prerequisites. Some of the courses are term length courses while others meet for multiple terms.

We are here to serve students and provide for their needs as they make their journey through their high school experience. We welcome and are ready to help students and parents with any questions, concerns, or problems they may have regarding the registration process or their high school experience.

Very truly yours,

Dr. Tim Schaid, Principal
Chilton High School

Mr. Phil Graebel, School Counselor
Chilton High School

Courses of Study/Career Pathways & Clusters

This year, Chilton High School will begin incorporating the Career Clusters into the course selections. These tools, Courses of Study and Career Pathways are ways for students to group their required courses and electives into a coherent sequence in preparation for college and careers. Utilizing the 16 Career Clusters, students can identify pathways from high school to 2- and 4-year colleges, graduate school, and/or directly to the workplace. By connecting education to future goals, students are motivated to work harder and enroll in more rigorous courses.

The 16 Career Clusters are:



Almost all career possibilities can be found within the Career Clusters. Students at Chilton High School are fortunate to have the opportunity to take coursework relevant to all 16 Career Clusters. Communicating career and educational goals to your School Counselor, Advisor, Teachers, and Parents, working with the WISCareers website at www.wiscareers.wisc.edu and exploring the 16 Career Clusters at www.careerclusters.org can aid students in choosing relevant and applied coursework designed to meet their individual educational and career goals.

CORE AREA GRADUATION REQUIREMENTS CHECKLIST

Language Arts - 4 credits

	English 9 (A and B)	1.0 credit
	English 10 (A and B)	1.0 credit
	English 11 (A and B)	1.0 credit
	College Prep English (A and B) or Modern Literature (A and B)	1.0 credit

Social Studies – 4 credits

	Early U.S. History (A and B)	1.0 credit
	Recent U.S. History (A and B)	1.0 credit
	American Government and Economics	1.0 credit
	Sociology (A and B) or Psychology (A and B) or Contemporary Affairs (A and B) or AP U.S. History (A and B)	1.0 credit

Math – 2 credits for graduation / at least 3 for college

	Algebra (A and B)	1.0 credit
	Geometry (A and B)	1.0 credit
	Algebra II (A and B)	1.0 credit
	AMC I (A and B)	1.0 credit
	AMC II (A and B)	1.0 credit
	Calculus I (A and B)	1.0 credit
	Calculus II (A and B)	1.0 credit

Science – 2 credits for graduation/at least 3 for college

	Physical Science (A and B)	1.0 credit
	General Biology (A and B) or College Prep Biology (A and B)	1.0 credit
	Advanced Biology (A and B) or Chemistry I (A and B) or Physics (A and B) or Chemistry II (A and B)	1.0 credit

Physical Education – 1.5 credits

	9 th Grade Physical Education	0.5 credit
	10 th Grade Physical Education	0.5 credit
	Team Sports, Weight Training, Lifetime Activities, Personal Fitness	0.5 credit

Health – 0.5 credits

	Healthful Living	0.5 credit
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Computer Science – 0.5 credits

	Computer Applications I	0.5 credit
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Electives – 13.5 credits

GRADUATION CREDIT REQUIREMENTS

CHS GRADUATION REQUIREMENTS	
Language Arts	4.0
Social Studies	4.0
Mathematics	2.0
Science	2.0
Physical Education	1.5
Computer Apps.	.5
Healthful Living	.5
Electives	<u>13.5</u>
<u>Total</u>	28.0

GRADUATION CREDIT REQUIREMENTS

To fulfill graduation requirements, students are encouraged to take a blend of courses that meet their educational, vocational, and social needs. Your counselor, teachers, and academic advisors can assist you in making course decisions.

The following sequence of courses will provide for a comprehensive high school education and meet the requirements for a high school diploma.

Universities and Technical Colleges have very specific requirements for admission. You are responsible to keep track of your own credits and requirements. Please feel free to talk with your academic advisor or counselor if you would like help with this.

SUGGESTED COURSE SEQUENCE

<u>Ninth Grade (8 credits)*</u> English 9 Math Early U.S. History Physical Science Computer Applications 9 th Grade Phy. Ed. Electives	<u>Tenth Grade (8 credits)*</u> English 10 Math Recent U.S. History Biology (General or College Prep) Healthful Living 10 th Grade Phy. Ed. Electives
<u>Eleventh Grade (8 credits)*</u> English 11 American Government Economics Physical Education Electives	<u>Twelfth Grade (8 credits)**</u> College Prep English or Modern Literature Social Studies Electives

* Students in grades 9, 10, and 11, must carry 8.0 credits per year.

** 12th Grade students who enter their senior year having successfully completed a minimum of 22 credits of coursework, are permitted to carry a minimum of 6 credits their senior year.

University Prep Course Planning

The range of courses offered at today's high schools is designed to prepare students with differing interests and abilities for a wide variety of life-after-high-school options. It is highly encouraged that you educate yourself on which classes you need to take in order to head in the direction that you wish to go. You will find useful information in the guidance office and on the CHS Guidance web site.

All University of Wisconsin System institutions require new freshmen to have completed a **minimum** of 17 credits distributed as follows. Thirteen of these credits must be "core college preparatory" from the following areas of study:

English	4 credits—Must have College Prep English
Mathematics	3 credits—Must include Algebra, Geometry, and Algebra II
Natural Science	3 credits
Social Science	3 credits

In addition to the "core college preparatory" credits identified, students need to complete a minimum of four elective credits as follows:

Electives	An additional 4 credits may be chosen from any of the above areas, foreign language, fine arts, computer science and other academic areas. (Two years of a single foreign language are required for admission to UW-Eau Claire and UW-Madison, and strongly recommended at other UW System campuses.) Some University of Wisconsin System institutions may also accept vocational courses for a portion of these 4 elective credits.
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All students are encouraged to exceed the minimum number of college preparatory credits required for admission. Students who choose a rigorous high school curriculum are, in most cases, more successful in college. Strong academic preparation for college helps to ensure success.

Though all UW System campuses require a **minimum** of 17 college preparatory credits, campus-specific college preparatory course requirements provides more detailed information by campus.

Technical College Planning

It is important to select classes wisely when planning to attend a technical college. Students who plan to attend a two-year school after high school should take those College/Tech prep classes that are related to their planned course of study.

- Many Technical college programs are requiring that students have upper level courses in high school.
- Check with your counselor about appropriate high school classes for your two-year college course of study. Also, look at specific technical college catalogs in the guidance office.
- Some programs of study at Wisconsin's Technical Colleges have waiting lists. Students are encouraged to check into their program of study and apply early if need be.

FVTC Advanced Standing Courses

Chilton High School has articulated with Fox Valley Technical College for advanced standing. Certain

Classes taken at Chilton can provide eligibility for advanced standing for a student who pursues and associate degree or a technical diploma at FVTC.

Advanced Standing disclaimer:

Fox Valley Technical College will make the final determination of the awarding of advanced standing.

LOW ENROLLMENT COURSES – STUDENT OPTIONS

A course considered having a lower than desirable number of interested students registered will be analyzed carefully. There is a strong possibility that low enrollment courses will be cancelled and considered for scheduling during a subsequent school year. Students who find themselves registered for a course considered for cancellation will be kept informed on a regular basis as to its status. It is at this time that students should begin considering alternative courses for which to register should their original choice be cancelled.

COURSE CHANGES

Since the administration staffs the school with teachers and orders equipment and supplies based on the number of students enrolled in each course, we will not make changes unless it is absolutely necessary. Therefore, you should regard your decisions as unchangeable.

Prior to making a request to change your classes, review the following guidelines which will be used to consider denial or approval of your request.

Requests will be considered when:

1. Physical limitations prevent you from participating in a class (doctors excuse required).
2. You have a need to alleviate credit deficiencies.

Requests will be denied when:

1. Courses of interest are already filled and considered closed.
2. The course to be dropped has a minimum enrollment.

Prior to any program change requests being honored, a conference with the school counselor, affected teachers, building administration, and the student will need to take place. Parent's permission will be required of all program changes.

Students who are given permission to drop a course after the first (1st) week of the term a course begins will be given a failing grade for the course. Exigent circumstances may exempt some students from the policy.

In early summer our counselors notify students and parents as to the summer's day they will be available at the high school for final scheduling adjustments. Students also have scheduling conflicts, need a course change due to a previously obtained failing grade, or are new to the district are to schedule appointments with their counselor at these announced times.

CHILTON HIGH SCHOOL

COURSE OFFERINGS BY DEPARTMENT

IMPORTANT NOTE:

Courses listed that include a “bracketed” “B”, “C” and/or “D”, e.g. (B), (C), (D), are courses that may be taken for additional credit in the same school year. See course description for more information

ART

950A & B	Drawing & Painting (1.0 cr.)
960A & B	Three Dimensional Art (1.0 cr.)
961A & B	Graphics & Design (1.0 cr.)
963A & B	Studio Arts (1.0 cr.)

BUSINESS TECHNOLOGY

Business Strand

620A & B	Accounting I (1.0 cr.)
622A & B	Accounting II (1.0 cr.)
0642	Street Law (.5 cr.)
0646	Personal Business & Finance (.5 cr.)

Technology Strand

0650	Computer Applications I (.5 cr.)
0652	Computer Applications II (.5 cr.)
0627	Microsoft Word Applications (.5 cr.)
0635	Desktop Publishing (.5 cr.)
0670	Visual Basic Programming I (.5 cr.)
0671	Visual Basic Programming II (.5 cr.)

EDUCATIONAL AIDE

989A	Educational Aide (.25 cr.)
989A & B	Educational Aide (.5 cr.)

FAMILY & CONSUMER EDUCATION

0715	Basic Foods (.5 cr.)
0719	Advanced Foods (.5 cr.)
0720	Survival Skills for Seniors (.5cr.)
0733	Healthful Living (.5 cr.)
0727	Child Development (.5 cr.)
0728	SHARE (.5 cr.)

FOREIGN LANGUAGES

535A & B	Spanish I (1.0 cr.)
536A & B	Spanish II (1.0 cr.)
538A & B	Spanish III (1.0 cr.)
539A & B	Spanish IV (1.0 cr.)

LANGUAGE ARTS

*102A & B	English Fundamentals (1.0 cr.)
*104A & B	Comprehensive English (1.0 cr.)
*105A & B	English Essentials (1.0 cr.)
*106A & B	Technical English (1.0 cr.)
110A & B	English 9 (1.0 cr.)
120A & B	English 10 (1.0 cr.)
130A & B	English 11 (1.0 cr.)
140A & B	College Prep English (1.0 cr.)
144A & B	Novel Survey (1.0 cr.)
141A & B	English Literature & Comp. (1.0 cr.)
143A & B	Modern Literature (1.0 cr.)
150A & B	Journalism I (1.0 cr.)
151A & B	Journalism II (1.0 cr.)

*** Must Have Instructor Consent to Enroll**

MATHEMATICS

*402A & B	Fundamental Math (1.0 cr.)
*406A & B	Math Concepts (1.0 cr.)
409A, B, C, & D	Math 9 (2.0 crs.)
410A & B	Algebra I (1.0 cr.)
430A & B	Algebra II (1.0 cr.)
420A & B	Geometry (1.0 cr.)
435A & B	Advanced Math Concepts I (1.0 cr.)
440A & B	Advanced Math Concepts II (1.0 cr.)
442A & B	Calculus I (1.0 cr.)
443A & B	Calculus II (1.0 cr.)

*** Must have Instructor Consent to Enroll**

MUSIC

974A & B	Symphonic Band (1.0 cr.)
975A & B	Stage Band (1.0 cr.)
981A & B	Concert Choir (1.0 cr.)
982A & B	A-Capella Vocal Studies (1.0 cr.)
0970	General Music Theory (.5 cr.)

PHYSICAL ED

0900	9 th Grade Phy. Ed. (.5 cr.)
0907	10 th Grade Phy. Ed. (.5 cr.)

904A (B)	Weight Training (.5 cr.)
905A (B)	Personal Fitness (.5 cr.)
906A (B)	Team Sports (.5 cr.)
908A (B)	Lifetime Activities (.5 cr.)

SCIENCE

312A & B	Physical Science (1.0 cr.)
320A & B	General Biology (1.0 cr.)
351A & B	College-Prep Biology (1.0 cr.)
325A & B	Advanced Biology (1.0 cr.)
330A & B	Chemistry I (1.0 cr.)
332A & B	Chemistry II (1.0 cr.)
340A & B	Physics (1.0 cr.)

SOCIAL STUDIES

250A & B	Contemporary Affairs (1.0 cr.)
218 A & B	Early U.S. History (1.0 cr.)
228A & B	Recent U.S. History (1.0 cr.)
0242	American Government (.5 cr.)
0245	Economics (.5 cr.)
243A & B	Sociology (1.0 cr.)
246A & B	Psychology (1.0 cr.)
248A & B	AP U.S. History (1.0 cr.)

VOCATIONAL ARTS

0780	Woods Construction for Home, Farm & Recreation (.5 cr.)
0789	Advanced Woods Construction for Home, Farm & Recreation (.5 cr.)
775A (B)	Residential & Agriculture Construction (.5 cr.)
0783	Metals for Home, Farm & Recreation (.5 cr.)
0787	Advanced Metals for Home, Farm & Recreation (.5 cr.)
0769	Electricity for Home, Farm & Recreation (.5 cr.)
0771	Advance Electricity for Home, Farm & Recreation (.5 cr.)
0776	Design for Commercial, Mechanical, Residential & Agricultural Drafting (.5)
0815	Animal Science (.5 cr.)
0817	Small Animal and Veterinary Care (.5 cr.)
0819	Horse Science (.5 cr.)
0827	Wildlife and Forestry (.5 cr.)
0829	Greenhouse Management (.5 cr.)
0830	Landscape Design (.5 cr.)
0833	Power for Home, Farm & Recreation (.5 cr.)
0834	Advanced Power for Home, Farm Recreation (.5 cr.)
0844	Leadership (.5 cr.)

Additional Course Opportunities

Students who have unique academic needs or circumstances are encouraged to see the School Counselor to discuss those needs or circumstances. There may be resources outside of the confines of Chilton High School to help students find courses that will meet any unique academic needs and/or circumstances to include, but not necessarily limited to the following:

- i. K-12 Schools/Colleges Aligned for Distance Education (KSCADE)**
- ii. Youth Options**
- iii. Independent Study**
- iv. Northeastern Wisconsin Online Charter School (NEWOCS)**
- v. Credit for “Off Block”**

See the School Counselor as soon as possible to discuss your needs as many of the above options may have minimum requirements and/or application deadlines that must be strictly adhered to.

ART

950A & B DRAWING AND PAINTING (9, 10, 11, 12) 2 Terms 1.0 credit

The main emphasis of the course will focus on various drawing media such as pencil (graphite and colored), pastels and charcoal using a variety of techniques. Painting will explore watercolor, acrylic and oil mediums focusing on realistic and abstract renderings.

By the end of the course the students will be able to:

- Improve their **drawing** skills with varying techniques such as: contour, gesture, perspective, value shading, crosshatching, pointillism, computer generated images.
- Gain experience with new and old materials such as: **scratchboard, pen and ink, charcoal, pastels, colored pencil** and combining medias.
- Demonstrate his/her ability to develop techniques of controlling and applying **acrylic or oil paint** such as: priming, blending, scumbling, hardedge, glazing, shading and combining acrylic or oil paint with other media.
- Demonstrate his/her ability to develop techniques of controlling and applying **watercolor paint** such as: mixing colors, dry brush, wet on wet, wet on dry, washes, reserving whites, scratching out, and combining watercolor and other media.

Lab fee: \$25.00 per year. Students will be required to buy additional materials.

960A & B THREE DIMENSIONAL ART (9, 10, 11, 12) 2 Terms 1.0 Credit

Three-dimensional art will focus on and refine skills in hand built and thrown pottery, subtractive and additive sculpture (plaster, stone, metal, wood, clay, relief and found objects).

By the end of this course the students will be able to:

- Demonstrate their skill and craftsmanship in various procedures of building functional or decorative **ceramic forms** such as: slab, coil, press mold, casting, throwing and glazing.
- Understand the relationship of volume, mass, tension, space movement, texture, and line by creating additive and subtractive **sculpture**:
- Understand and demonstrate **jewelry/art metal** techniques such as: sawing, sanding, soldering on joining.

Lab fee: \$25.00 per year. Students will be required to buy any additional materials.

961A & B GRAPHICS AND DESIGN (9, 10, 11, 12) 2 Terms 1.0 Credit

This course will encompass several areas of graphic media such as printmaking, design projects (commercial, collage and mosaics), and papermaking (combined with other media).

By the end of this course, the students will be able to:

- Extend and reinforce his/her knowledge of **printmaking** by successfully creating relief and drypoint printing techniques.
- Gain an awareness of various techniques used in graphic art and demonstrate their skills in **composition, illustration, and computer graphics.**
- Understand that design education includes skills in the design of environments, objects, information and experiences.

Lab Fee: \$25.00 per year. Students will be required to buy any additional materials.

963A & B STUDIO ARTS (10, 11, 12) 2 Terms 1.0 Credit

Studio Arts is an advanced course concerned with enhancing and expanding the fine art portfolio of the student enrolled. Students will utilize a variety of high level 2-D and 3-D studio based media to create well-planned and thoughtful pieces of art to be used for themselves, or for college admissions and scholarships.

By the end of the course the students will be able to:

- Apply past knowledge gained in previous art courses to new experiences and art processes
- Develop their individual strengths in two selected art areas listed below:

Drawing
Color Drawing
Watercolor Painting
Acrylic Painting
Oil Painting
Graphic Design
Printmaking

Ceramics
Sculpture
Jewelry
Weaving/Textiles
Papermaking
Computer Graphics

Prerequisites: Two previous high school art classes; B average in past art classes; previous experience in areas selected and consent of the instructor.

**If you have already taken Studio Art and would like to enroll in this class as an independent studio workshop, you may do so with permission of instructor.

Lab Fee: \$25.00 per year. Students will be required to buy any additional materials.

PLEASE NOTE: ALL ART COURSES ARE 2 TERMS

BUSINESS TECHNOLOGY

Business Strand

620A & B ACCOUNTING I (10, 11, 12) – 2 Terms 1.0 Credit

This course is articulated with FVTC for advanced standing.

Prerequisite: Accumulated report card grade point average of ‘C’ or above and/or approval of the Accounting instructor. (Keyboarding and some degree of detail, neatness and orderliness are also needed.)

Accounting I enables the individual to intelligently handle his/her personal and business financial affairs as a citizen, consumer, proprietor and/or investor. Students will learn manual and computerized accounting procedures. With the knowledge gained in this course, students should be able to manage their income and expenditures wisely and gain marketable skills to qualify them for beginning accounting jobs. Students will understand basic concepts and principles of accounting and be able to transfer this knowledge to automated accounting programs on the computer network. Students who like to work with numbers and to keep orderly, neat records will enjoy this class.

622A & B ACCOUNTING II (11, 12) - 2 Terms 1.0 Credit

Prerequisites: Accounting I with “C” Average

This second year course is specifically vocational and career oriented. It details and analyzes the basic principles of accounting in department and payroll accounting, accruals, depreciation, inventory and budget control, cost accounting, notes, taxes and computer applications. Students will continue automated accounting procedures, which will enable them to transfer accounting concepts to computer technology.

0642 STREET LAW (10, 11, 12) – 1 Term .5 Credit

Prerequisites: C+ grade point average or consent of instructor

Street Law gives students a practical understanding of law and our legal system. Street Law focuses on legal issues relevant to students’ lives and develops knowledge and skills essential in our law-oriented society.

0646 PERSONAL BUSINESS AND FINANCE (11, 12) 1 Term .5 Credit

Designed for all students, Personal Business/Finance will explore the student's roles and financial responsibility as a student, citizen, family member, consumer, and employee. It will cover current research, laws, technology and personal investment strategies as they relate to an individual's finances. Topics include career strategies, money management, financial security, credit management, and consumer rights and responsibilities.

Technology Strand**0650 COMPUTER APPLICATIONS I Required 9th Grade Course**
(Open to 10, 11, 12) 1 Term .5 Credit

Upon completion of this course, students will have utilized essential computer applications which will enable them to achieve computer literacy. These skills will be required across the curriculum in grades 9-12. Students will have a basic foundation in creating documents in word processing, database, spreadsheets and multimedia presentations. Students will also receive enrichment in using the Internet and computer consumer education.

0652 COMPUTER APPLICATIONS II (10,11,12) 1 Term .5 Credit

Prerequisites: Computer Applications I

Students enhance computer technology and business applications skills including word processing, spreadsheets, databases, graphics and Internet. Students make connections between concepts and authentic tasks with hands-on applications and apply problem-solving skills to real-life situations through advanced integrated software applications. Students will work both independently and as a part of a team.

0627 MICROSOFT WORD APPLICATIONS (9, 10, 11, 12) 1 Term .5 Credit

Prerequisites: Computer Applications I

This is a communications course with emphasis on speed, accuracy, and the application of keyboarding skills to produce personal business documents. This class is designed to expand your knowledge of word processing skills as well as to increase your keyboarding speed. It is a project-oriented course that encourages independent thinking, decision-making, and the application of advanced features of word processing. Students gain competence integrating other software applications into word processing activities, such as desktop publishing and web pages.

0635 DESKTOP PUBLISHING (10, 11, 12) 1 Term .5 Credit

Prerequisites: Computer Applications I

As students learn desktop publishing, they will acquire knowledge associated with five different areas: writing and editing, graphic design, typesetting, computing and printing. This course will use a scanner to digitize pictures as well as text. Students will use various photo editing software to modify graphics and pictures by changing color, brightness and contrast. They will also add or remove elements to a graphic, and use drawing tools and clipart. Students will produce professional looking documents such as newsletters, manuals, brochures, etc. It is a project-oriented course that encourages independent thinking, decision-making, and the application of advanced features of desktop publishing software.

0670 VISUAL BASIC PROGRAMMING I (10, 11, 12) 1 Term .5 Credit

Prerequisites: Computer Applications I, and Algebra I, and Geometry

At the conclusion of this course, students will be able to plan, design, write and debug programs using the Visual Basic programming language. These skills will provide the foundation for an object-oriented/event-driven approach to programming. The course will close with a final group project that will encompass the skills taught.

0671 VISUAL BASIC PROGRAMMING II (10 , 11, 12) 1 Term .5 Credit

Prerequisite: Visual Basic Program I

Students will build upon prior programming skills by extending their knowledge into advanced selection structures, looping, string manipulation and accessing files. Students will then incorporate all of these techniques into a final project.

EDUCATIONAL AIDE

989A EDUCATIONAL AIDE (11, 12) - 1 Term .25 Credit

989A & B EDUCATIONAL AIDE (11, 12) - 2 Terms .50 Credit

Any student may work as an Educational Aide as a peer tutor, or in the main office, library, guidance center, AV and Media area, learning center, special education room, or classrooms. There is a great need for students to assist in these areas. When schedules come out, you will be assigned a block for which you will be an educational aid for a staff member. You may be an educational aid for no more than two terms in one school year. The credits which you earn throughout all four years of high school count as elective graduation credits. See your counselor for further information

CHS WORK STUDY (11,12) 1 term (Credit Value TBD) - Student must have administrative Approval

This course is intended to serve one of two purposes:

1. To help students who are “at risk” of not graduating by providing an alternative way to earn credits outside of the classroom.
- Or
2. To help a student gain meaningful work experience. In this case the student must hold a job directly related to the career in which they intend to go into and they must also have exhausted the CHS curriculum in that area.

Juniors applying for work study must fit criteria # 1.

An application with a complete description of the course requirements can be obtained through Mr. Stuebbe.

OFF BLOCK (12) 1 to 4 terms (*Available for Credit)

Seniors who meet certain criteria (see page 6) may elect to take up to eight credits of coursework but no less than six credits of coursework. An “Off Block” is given in return for each .5 credit below the maximum of eight credits a student chooses not to enroll in. There is an option for seniors to have an Off Block for credit—please see the School Counselor if interested in this option.

FAMILY AND CONSUMER ED

0715 BASIC FOOD (9, 10, 11, 12) – 1 Term .5 Credit

This is a one-term course open to any student, one time only! This course may only be taken once and is a prerequisite for Advanced Foods. You must earn a B or better in Basic Foods to enroll in Advanced Foods. At the completion of this course students will demonstrate basic kitchen principles and kitchen math skills. They will demonstrate how to safely use, clean, and store small kitchen appliances, practice a variety of cooking techniques and prepare recipes including meats, salads, quick breads, vegetables and desserts. Students will also be expected to prepare and serve a well balanced meal on a minimal budget. This course also includes a trip to FVTC's Culinary Arts program and various food service businesses.

Lab Fee: \$20.00

This class may only be taken once.

Additional costs associated with individual and group student projects will be assessed when applicable.

0719 ADVANCED FOODS – (10, 11, 12) 1 Term .5 Credit

The “Second Course” to Basic Foods

This course is articulated with FVTC for advanced standing.

Prerequisite: B average or higher in Basic Foods.

This course is open to all students who have successfully completed Basic Foods (earning a B or better.) This class will emphasize aspects of Food Service, Hospitality and Culinary Arts along with addressing Food, Nutrition, and Fitness. Students will be required to complete a diet analysis, create and sample food from around the world, bake and decorate a cake independently, and plan, prepare and demonstrate a multitude of proper food preparation procedures and techniques. An open mind, attitude, effort, cooperation and responsibility will be an important part of grading. It will explore advanced cooking methods and creative culinary techniques while adding new cooking skills. Lab Fee: \$20.00.

Prerequisite: B average or higher in Basic Foods.

This class may only be taken once.

Additional costs associated with individual and group student projects will be assessed when applicable.

Lab Fee: \$25.00

0733 HEALTHFUL LIVING – (10) 1 Term .5 Credit – Required Course-10th Grade

This is the final required course in the Human Growth and Development series. This course will be counted for freshmen and transfer students who have not fulfilled the DPI's requirement of .5 credit of Health. The main emphasis of this course is to help the students understand the complexity of the

family and how it is formed, maintained and improved. It is concerned with the development of adult responsibility with the understanding that sexuality is a part of the individual's personality and that it contributes to creative drives and abilities and helps to distinguish the personas of an individual. Sound scientific knowledge will be taught concerning every aspect of human sexuality so that students will be able to make wise decisions. If parents do not wish their children to attend periods during which sensitive issues are discussed including homosexuality, contraception, abortion, and family planning, they may have these children excused by completing the form provided for this purpose.

Students thus excused are to be scheduled in study halls during the times of their absence at no penalty. The central issue woven throughout this course centers on the family with the assumption that students will be enabled to formulate intelligent decisions regarding marriage and family life.

At the end of this course students will be able to:

- Analyze their personality to “realize” who they are
- Write goals and benefits from community involvement
- Demonstrate techniques of effective communication
- Become a more educated/responsible decision-maker
- Analyze the need for strong families
- Explain the difference between sex and sexuality
- Examine the consequences of sex
- Draw up a budget for single living and find a job to support that lifestyle
- Become familiar with help available to families in time of crisis
- Examine responsibilities which go along with parenting

0727 CHILD DEVELOPMENT – (11, 12) 1 Term .5 Credit

This course is offered to juniors and seniors who have successfully completed Sophomore Healthful Living. It specializes in the area of childcare and development. There are three major projects that will be completed in the course: 1) Demonstration of child care, 2) Create a toy for the child's learning, 3) Participate at community child-care agencies.

At the end of this course students will be able to:

- Understand the demands of parenthood
- Understand the importance of proper child-care
- Know the state standards for running a licensed day care
- Understand the importance of age appropriate toys as they relate to safety and education
- Explain the stages of development in children and the importance of each stage
- Prepare nutritious meals suitable for children of various ages

0720 SURVIVAL SKILLS – (12) 1 Term .5 Credit

This course is offered to seniors only. The primary focus is to teach students how to “Take Charge of Their Life” through the simulation of life skills. The skills are developed and made relevant on an individual basis to each student. Students will learn how to transition into independent living.

Emphasis will be based on:

- Values and Goal Setting
- Rights and Responsibilities
- Consumer Protection
- Decision Making
- Career Development
- Housing Options
- Transportation
- Personal Finance – Budgeting, Saving and Investing
- Insurance
- Credit
- Clothing Care
- Food and Nutrition

Lab Fee: \$10.00

0728 S.H.A.R.E – (11, 12) 1 Term .5 credit

The **S.H.A.R.E.** program is a unique innovative experience through which special education students are teamed with regular education students to develop positive peer relationships and gain knowledge and skills through participation in activities focused on daily living and personal growth. The **S.H.A.R.E.** program focuses on *Students Helping, Accepting, Relating, & Empowering* others to succeed.

Regular education student(s) are partnered with student(s) with cognitive disabilities. Students in the **S.H.A.R.E.** program cooperatively develop and teach units for the class. The regular education students plan appropriate goals, objectives, activities and learning experiences for the teaching units. The student(s) become the teacher. Guest speakers and community-based outings are encouraged. Typical student led units include personal grooming, interpersonal communications, kitchen safety, money management, and job skills.

Regular education students enrolling in this program must be of junior or senior status and apply for the program.

FOREIGN LANGUAGES

535 A & B SPANISH 1 (9,10, 11, 12) 2 Terms 1.0 Credit

Spanish 1 is an introduction to the Spanish language and Hispanic culture. Students will be introduced to basic grammatical structures and beginning vocabulary. Emphasis is on beginning level oral and written communication skills. Students will begin to explore and experience the Hispanic culture. A good understanding of the English language and grammar is helpful.

536 A & B SPANISH 2 (10, 11, 12) 2 Terms 1.0 Credit

Spanish 2 is a continuation for students who have completed Spanish 1. Skills in listening, speaking, reading and writing are further developed. Increased vocabulary and expanded grammar concepts will be explored. Students will continue to explore and experience the Hispanic culture.

538 A & B SPANISH 3 (11, 12) 2 Terms 1.0 Credit

Students who have completed Spanish 2 will further develop their language skills and study more advanced grammatical concepts. They will be introduced to literature with related writing practice. Cultural awareness is incorporated in the readings and special projects.

539 A & B SPANISH 4 (11, 12) 1 Terms 1.0 Credit

Students who have completed Spanish 3 may take Spanish 4. Grammar will be reviewed and further developed with focus on improving language usage. Students will continue to study Spanish literature, culture and history via projects, literature and media.

Any Spanish student is able to increase their awareness of the Hispanic culture by participating in Spanish Club.

LANGUAGE ARTS

All students are required to take a minimum of 4-credits of English. As seniors, you may take College Prep English and/or Modern Literature and/or Novel Survey and Advanced Placement.

***102A & B ENGLISH FUNDAMENTALS – 2 Terms 1.0 Credit**

Course goals and objectives will be determined by the individual needs of the student based upon his/her individualized educational plan.

***104A & B COMPREHENSIVE ENGLISH – 2 Terms 1.0 Credit**

Course goals and objectives will be determined by the individual needs of the student based upon his/her individualized educational plan.

***105A & B ENGLISH ESSENTIALS – 2 Terms 1.0 Credit**

Course goals and objectives will be determined by the individual needs of the student based upon his/her individualized educational plan.

***106A & B TECHNICAL ENGLISH – 2 Terms 1.0 Credit**

Course goals and objectives will be determined by the individual needs of the student based upon his/her individualized educational plan.

***Must Have Instructor Consent to Enroll**

110A & B ENGLISH 9 (9) – 2 Terms 1.0 Credit

English 9 expands each student's language and communication skills in reading, writing, and speaking. Upon completion of the course, students will be able to respond to literature (short stories, nonfiction, novels, drama, and poetry) on three levels: literal, interpretative, and personal. By incorporating the writing process, students will integrate cooperative learning into assignments across the curriculum. Writing skills will be enhanced through studying grammar, sentence and paragraph structure, standard English usage, and mechanics. Critical thinking skills will be developed while preparing and writing the following types of assignments: descriptive, narrative, expository, and persuasive. An awareness, understanding, and sensitivity will be gained as students feel more at ease speaking before groups, as well as interpreting non-verbal communication.

120A & B ENGLISH 10 (10) – 2 Terms 1.0 Credit

Prerequisite: Sophomore standing and successful completion of English 9

The focus will be on systematically developing the student's language potential. Students will receive practice in various modes of composition with a focus on the five paragraph essay. Students will learn the process for writing a five-paragraph essay and gain the knowledge needed to transfer the process for use in other content areas. Students will develop confidence and skill as public speakers and will be exposed to different aspects of literature including the short story, novel, and drama.

130A & B ENGLISH 11 (11) – 2 Terms 1.0 Credit

Prerequisite: Junior standing and successful completion of English 9 and English 10.

English 11 focuses on a study of American Literature. Additionally, English 11 pursues skill development in paragraph and composition work, along with persuasive techniques and analysis. Intensive work is done in the computer lab mastering the techniques of the MLA style. At the conclusion of this class, the student will be able to recognize, understand and discuss the themes, genre and significance of key American authors. Students will be able to draft an essay and employ the conventions of standard English techniques of persuasive writing when needed. Finally, students will utilize good speaking and listening when engaged in discussion.

***140A & B COLLEGE PREP ENGLISH (12) - 2 Terms 1.0 Credit**

Prerequisite: Successful completion of English 9, English 10, and an earned letter grade of "A" or "B" in English 11, or with English 11 teacher recommendation

Students will read and analyze a variety of authors in British Literature. Focus will be on development of elevated writing techniques; including self-editing, formulating cohesive thesis statements, and writing well-organized and thoughtful formal essays/research papers. Students will be self-motivated, as expectations of the course are designed to prepare students for college.

*Students who wish to take the Advanced Placement test in English Literature should enroll in Course #141A&B (English Literature & Composition) **INSTEAD** of course #140A&B (College Prep English)

143A & B MODERN LITERATURE (12) – 2 Terms 1.0 Credit

Modern Literature has a focus on late 20th century fiction in a variety of genres including but not limited to: mystery, science fiction, fantasy, horror, romance, historical fiction, and multicultural literature. Students will also focus on modern non-fiction genres including the newspaper and the newsmagazine. Writing about literature will focus on characterization and conflict resolution. Students who complete this course should be able to:

1. Identify a genre of modern literature they would read for pleasure
2. Write creatively using words precisely and imaginatively
3. Discuss and write about modern literature using common literary terminology

4. Write and cite a research paper in MLA format
5. Have an awareness of work-related strengths and weaknesses.

***144A & B NOVEL SURVEY (11, 12) - 2 Terms 1.0 Credit**

PREREQUISITE: Successful completion of English 9, English 10, and English 11

Novel Survey is a course covering some of the most influential novels and authors in American and English history. Some of the timeless works include *A Tale of Two Cities* by Charles Dickens, *Grapes of Wrath* by John Steinbeck, *The Great Gatsby* by F. Scott Fitzgerald, and *The Awakening* by Kate Chopin. Students will be able to tie each novel and its author to an important era of history. An author background and historical research will accompany each novel. Students will complete a theme-based essay for each novel. This course is available to juniors as an elective course, **but not** in lieu of the required College Prep, English Literature and Composition, or Modern Literature course for seniors.

***141A & B ENGLISH LITERATURE AND COMPOSITION (12) – 2 terms 1.0 Credit**

***This is the Advanced Placement Course to be taken in lieu of course #140A&B (College Prep English)**

PREREQUISITE: Successful completion of English 9, English 10, and an earned letter grade of A in English 11, or an English 11 teacher recommendation

This course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit and British Literature. Writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays. Students will also write a research paper that reflects their depth of knowledge into a chosen topic and the ability to use research materials in an appropriate manner. Self-motivation is essential for success in this class, as intensive reading and writing will be required.

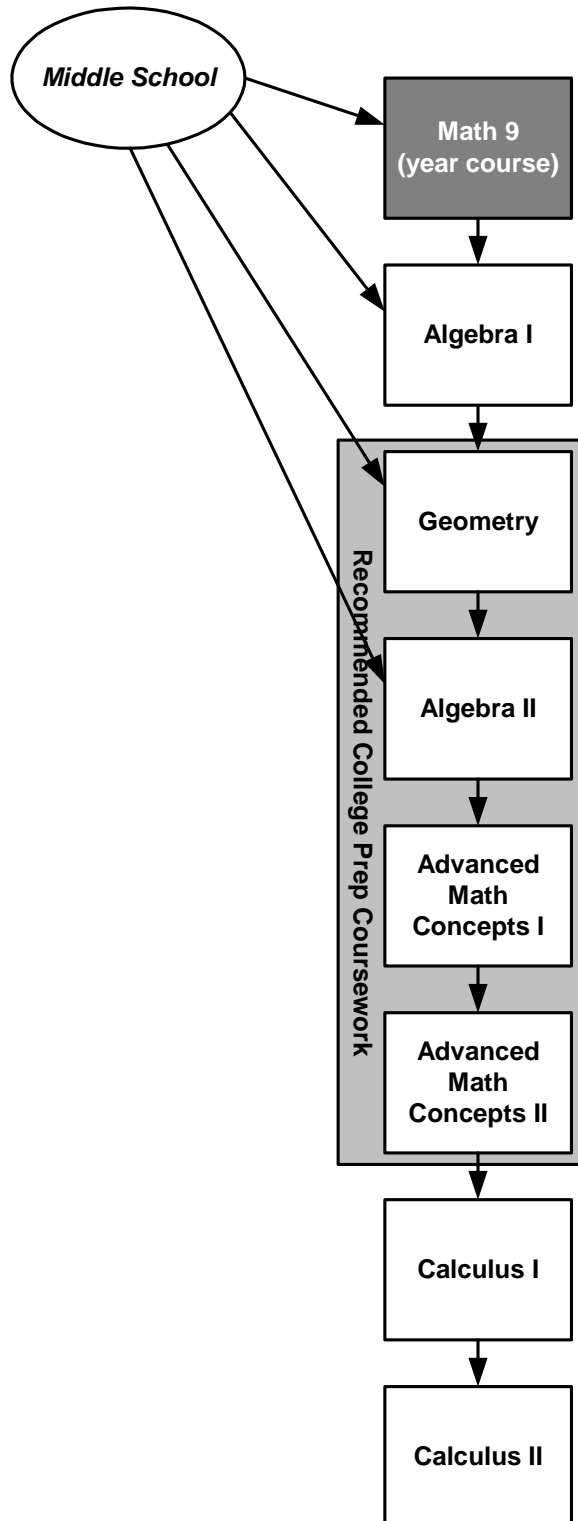
150A & B JOURNALISM I (9, 10, 11, 12) – 2 Terms 1.0 Credit

151A & B JOURNALISM II (9,10, 11, 12) 2 Terms 1.0 Credits

Journalism is an elective course with a realistic application of writing skills in the production of the school newspaper. Students considering the course should be able to work independently, meet newspaper deadlines, and employ basic grammar skills. Students taking Journalism will produce the school newspaper every two to three weeks, as well as maintain the newspaper's website. The goals of this course are the following:

1. To familiarize students with the basic elements of newspaper researching, writing, and publishing
2. To provide students with an intense, realistic application of writing
3. To develop students' accountability and responsibility by meeting job-related deadlines
4. To provide a forum for student expression that promotes ethical journalism
5. To familiarize students with the purposes journalism serves in our society
6. To produce a quality newspaper

MATH



MATHEMATICS

***402A & B FUNDAMENTAL MATH 2 Terms 1.0 Credit**

Course goals and objectives will be determined by the individual needs of the student based upon his/her individualized educational plan.

***406A & B MATH CONCEPTS 2 Terms 1.0 Credit**

Course goals and objectives will be determined by the individual needs of the student based upon his/her individualized educational plan.

***Must Have Instructor Consent to Enroll**

409A, B, C, & D MATH 9 4 Terms 2.0 Credits

Students will learn to effectively use problem solving strategies, understand and apply basic properties of functions and algebra, geometric properties of lines, angles, and polygons, and measurement. This class is designed for the student who needs to reinforce their basic mathematical skills and prepare for Algebra I.

410A & B ALGEBRA I (9, 10, 11, 12) 2 Terms 1.0 Credit

Prerequisites: None

Students will learn a variety of problem solving strategies, properties of numbers, computation skills, functions, and algebra. This course is a prerequisite for all other mathematics courses, except for Math 9 (409). Algebra I is an entrance requirement to most colleges and universities.

420A & B GEOMETRY (9, 10, 11, 12) 2 Terms 1.0 Credit

Prerequisite : Passing grade in both terms of Algebra I

Students will learn geometric properties of lines, angles, and polygons. Information will be acquired, organized, and proven using exploration and logical reasoning. Topics include congruence, area, volume, parallel lines, and introductory trigonometry. Geometry is an entrance requirement for most colleges and universities.

430A & B ALGEBRA II (9-10-11-12) 2 Terms 1.0 Credit

Prerequisites: Passing grade in both terms Algebra I and Geometry

Students will learn advanced algebraic procedures, conic sections and functions. Algebra II is required for all students who plan to take Physics. Algebra II is required for entrance to many colleges and universities, particularly U.W. system schools.

435A & B ADVANCED MATH CONCEPTS I (10.11, 12) Minimum sophomore standing
2 Terms 1.0 Credit

Prerequisites: Passing grade in both terms of Algebra II

Students will learn statistics, transformations, trigonometry, logarithms, probability, and data analysis along with proper use of a graphing calculator.

Possession of a TI-83+ graphing or TI-84 (standard or silver) calculator is required for this college prep course.

440A & B ADVANCED MATH CONCEPTS II (11, 12) Minimum junior standing
2 Terms 1.0 Credit

Prerequisites: Passing grade in both terms of Advanced Math Concepts I

Students will learn analytic geometry, conics, advanced functions, limits, college-level trigonometry, and introductory calculus. Students interested in science, engineering, or mathematics as a college major are strongly advised to complete this class before graduation.

Possession of a TI-83+ graphing or TI-84 (standard or silver) calculator is required for this college prep course.

442A & B CALCULUS I (12) Minimum Senior Standing
2 Terms 1.0 Credit (fall semester preferred)

Prerequisites: Passing grade in both terms of Advanced Math Concepts I and II

Students will learn limits, derivatives, and integral calculus that are necessary to take the Advanced Placement Calculus AB test.

Possession of a TI-83+ graphing or TI-84 (standard or silver) calculator is required for this college prep course.

443A & B CALCULUS II (12) Minimum Senior Standing
2 Terms, 1.0 Credit (spring semester only)

Prerequisite: Passing grade in both terms of Calculus I

Students will learn advanced calculus concepts that are necessary to take the Advanced Placement Calculus BC test.

Possession of a TI-83+ graphing or TI-84 (standard or silver) calculator is required for this college prep course.

INSTRUMENTAL MUSIC

974 A & B SYMPHONIC BAND (9,10,11,12) – 4 “Skinny” Terms 1.0 Credit

Symphonic Band is offered to all high school students who have satisfactorily completed intermediate band methods and are ready for advanced work. All students are required to participate in concert band, marching band, private lessons, pep band, conference group musical festival or clinics, and all concerts that are conducted by the music department. Class members are also encouraged to participate in solo and ensemble festival and special events and projects made available by the department. Students will be placed in this class with the permission of the Band Director Only. This is a full year course. At the conclusion of the year, students will be able to perform with expression and technical accuracy, a large and varied repertoire of instrumental literature.

Class Expenses: Students are required to purchase necessary music supply items, personal uniform needs, and lesson books as a class requirement.

Course Mastery Skills Include: All major and minor scales, arpeggios, and interval studies; applicable brass, woodwind, and percussion techniques; marching and maneuvering techniques; concert and clinic repertoire selections; and assigned lesson text materials.

975 A & B STAGE BAND (9, 10, 11, 12) – 4 “Skinny” Terms 1.0 Credit

Stage Band is offered to all high school students who have an interest in jazz, rock, and dance music. Class instrumentation includes: saxophones, trumpets, bass, and rhythm guitars, drum set, and keyboard. Improvisation, chord studies, ensemble playing, along with listening to recordings, music theory, and jazz history are included in the course. Class size is limited to the above instrumentation, and auditions will be used to decide enrollment only if necessary. All students enrolling in the Stage Band must first be a member of the Symphonic Band. Students will be enrolled for this class with the permission of the **BAND DIRECTOR ONLY**. This is a full year course.

Classes Expenses: Students are required to purchase necessary music supply items, personal uniform needs, and lesson books and materials as a class requirement.

All students participating in music ensembles can expect to achieve a higher level of music performances at the conclusion of the year’s study.

0970 GENERAL MUSIC/MUSIC THEORY (9, 10, 11, 12) – 1 Term .5 credit

General Music, 9-12, is a one term elective course. This course is designed for those students who wish to further their musical knowledge of the elements of music.

Course content includes the study and writing of scales; two, three, and four part harmony; chord progressions, musical form, two part counterpoint; music notation; arranging and transportation; composition; analysis; ear training with melody and harmonic dictation.

Class expenses: Students are required to purchase a music theory workbook and worksheets.

Course Mastery Skills Include: Major and Minor scale writing, harmonic analysis and performance on the keyboard, proper notation skills, harmonic and melodic dictation, and the ability to construct melodies and harmonic accompanime

HIGH SCHOOL VOCAL MUSIC

981 A & B CONCERT CHOIR (9, 10, 11, 12) 4 “Skinny” Terms 1.0 Credit

Concert Choir is offered to all high school students. Voice lessons are given to each Concert Choir member. Students will participate in concert choir, voice lessons, conference group musical festival or clinics, and all concerts that are conducted by the music department. Class members are also encouraged to participate in solo and ensemble festival, special events and projects made available by the music department. This is a full year course.

Upon completion of this course, students will: have a strong background in basic music theory concepts, have the ability to perform 3-4 part music with expression and technical accuracy, have the ability to sing level 2 music by sight, have experience in choreography (dancing while singing), feel comfortable singing in groups in front of an audience, and will be able to perform a large and varied repertoire of choral literature with expression and technical accuracy.

982 A & B A-CAPPELLA VOCAL STUDIES (9, 10, 11, 12) 4 “Skinny” Terms 1.0 Credit

A-Capella Vocal Studies is offered to all high school students concurrently registered for Concert Choir. A-Capella students will study genres including: musicals, madrigals, or show choir. Throughout the year, class time will be devoted to: music for the fall musical, music for solo/ensemble contest, music for Madrigal competition/performance, or music for show choir competition/performance. Exams will include the fall musical performance, the winter concert, and the spring concert.

Students will participate in Concert Choir and A-Capella Choir, private lessons, conference group musical festival or clinics, and all concerts that are conducted by the music department. Class members are also encouraged to participate in solo and ensemble festival, special events and projects made available by the music department. This is a full year course.

Upon completion of this course, students will: have a strong background in basic music theory concepts, have the ability to sing level 4 music by sight, have experience in choreography (dancing while singing), feel comfortable singing solos in front of an audience, develop their acting skills, prepare vocal music for solo/ensemble contest, and will be able to perform a large and varied repertoire of choral and solo literature with expression and technical accuracy.

PHYSICAL EDUCATION

NOTE: Generally speaking, students should limit themselves to no more than two (2) Physical Education Courses in the same school year.

0900 9th GRADE PHY. ED. (9TH grade only) 1 Term .5 Credit All Freshman Must Take

A brief exposure to all Phy. Ed. Activities. Focus will be to develop and improve skills along with gaining knowledge for new activities. Emphasis is on team sports. Activities may include volleyball, basketball, flag football, floor hockey, soccer, speedball, team handball, outdoor fitness activities (rollerblading, walking/jogging), indoor fitness activities (utilization of fitness center)

0907 10th GRADE PHY. ED. (10TH Grade Only) 1 Term .5 Credit
All Sophomores Must Take

To develop and improve skills in individual activities and improve aerobic fitness. Activities may include golf, tennis, racquetball, pickle ball, badminton, cross country skiing, snow shoeing, outdoor fitness activities (rollerblading, walk/jogging) indoor fitness activities, (utilization of fitness center), and social dance. Fees associated with the costs for bowling will be collected (approximately \$20.00)

***906A (B) TEAM SPORTS** (10, 11 & 12) 1 Term .5 Credit

To develop and improve skills and incorporate strategies and sportsmanship in team activities. Activities may include soccer, basketball, volleyball, floor hockey, softball, team handball, speedball, flag football, ultimate frisbee and utilization of the fitness center.

***904A (B) WEIGHT TRAINING** (ALL GRADES) 1 Term .5 Credit

To gain knowledge in proper use of weight room. Emphasis placed on improving muscular strength, (building) and/or muscular endurance, (toning) from several options of programs provided by the instructors. Utilize fitness center equipment to reach goals.

***905A (B) PERSONAL FITNESS** (10, 11 & 12) 1 Term .5 Credit

Student will develop and implement a personal fitness program. Activities may include weight training, circuit training, roller blading, biking, walk/jogging, fitness videos, use of heart monitors, fitness testing (body fat, aerobic capacity, strength) utilization of fitness center.

***908A (B) LIFETIME ACTIVITIES** (11 and 12 only) 1 Term .5 Credit

To introduce, develop and improve skills which will be beneficial in leading an active lifestyle. Activities may include archery, biking, badminton, cross-country skiing, bowling, dance, rollerblading, jogging, walking, water activities, board games, racquetball, aerobics, tennis, golf, disc golf and utilization of the fitness center.

A small fee of approximately \$20.00 will be required.

***Students desiring to take these courses for an additional .5 credit in the same school year should also register for the “B” option.**

SCIENCE

312A & B PHYSICAL SCIENCE (9) – 2 Terms 1.0 Credit

A two term course studying the physical laws of nature. The class will cover chemistry and physics. Topics of study include the classification, structure, and properties of matter, and patterns and interactions of matter during the chemistry term. During the physics term students will investigate motion, forces, energy, heat, electricity, magnetism, sound and light. This course will prepare students for higher-level science courses in chemistry and physics.

320A & B GENERAL BIOLOGY (10,11,12) – 2 Terms 1.0 Credit

General Biology is a two term course that deals with the general concepts of life science. At the completion of this course the student will be able to demonstrate and understand the introductory concepts regarding biology. Topics will include cell structure, basic genetic concepts, organization and classifications of living systems, as well as interactions in the environment.

Prerequisite: Successful completion of Physical Science A & B

325A & B ADVANCED BIOLOGY: HUMAN ANATOMY & PHYSIOLOGY 2 Terms 1.0 Credit (12)

Advanced Biology is a Two Term elective for college or tech school bound seniors. Students who qualify may apply for dual credit (5 credits) in college biology through Silver Lake College (SLC). Advanced Biology is a course that familiarizes students with the basic concepts of human anatomy and physiology. The students will take a systems approach to reach an understanding of human structure and function. There will be a strong emphasis on laboratories, lab practicals, and the use of biotechnology.

Upon completion of the course, students will:

- Have a better understanding of human structure and function and its relationship with various medical related fields
- Be able to demonstrate mastery of: concepts, knowledge, and appropriate techniques used in many college laboratories and in some applied medical and veterinary professions

Prerequisite: Students should have achieved at least a “C” or better in College-Prep Biology both terms or a “B” or better in General Biology, successfully completed one year of science beyond biology (Chemistry or Physics) or concurrent registration. **Otherwise consent of instructor.** Students opting for the dual credit option with SLC should have taken chemistry and physics or be concurrently enrolled with advanced Biology. **Otherwise consent of instructor.**

351A & B COLLEGE-PREP BIOLOGY (10,11,12) – 2 Terms 1.0 Credit

College Preparatory Biology is a two term course designed to prepare the student to be more successful in a college laboratory setting. It is a course that deals with the investigations into the unifying features of living things. This is done by studying what biologists know about life and how they acquire this knowledge. This course will cover many of the same concepts as general biology, but in a more detailed approach. The course will also cover some of the more advanced (AP) Advanced Placement concepts in biology in both a lecture and laboratory setting.

Prerequisite:

- **Freshman** who wish to take this course must have received a **B or better** in both semesters of 8th grade science **and** achieved a proficient or advanced on the 8th grade WKCE science test. Freshman who qualify and enroll in this course must also be concurrently enrolled in the Freshman General Science course
- **For Sophomores** “B- or Better average” in Physical Science A & B
- **PREREQUISITES MUST BE MET** or the student must have consent of the instructor before enrolling in the course

Upon completion of this course students should be able to:

- Recognize the basic characteristics of life
- Understand the chemistry of life
- Understand cell structure and function
- Understand heredity and genetics
- Understand organization and classification techniques used in biology
- Recognize biological relationships in nature
- Demonstrate appropriate laboratory techniques associated with biology (i.e., ecological sampling, classification, microscopy)

330A & B CHEMISTRY I (11, 12) – 2 Terms 1.0 Credit

Students must successfully complete both terms of Algebra I and successfully complete either College Preparatory Biology or General Biology. If students do not meet these requirements they must have the consent of the science department. If you are a Sophomore who plans to take Chemistry, you **MUST complete College Prep Biology first with a “C” or better and have the consent of the science department.**

Chemistry is a two term course, which prepares students for post high school education. Students will be introduced to the structure, physical and chemical properties, and reactivity of common elements and compounds. Chemistry involves a great deal of mathematical calculation, as well as qualitative laboratory experiments using Calculator Based Laboratories (CBL) and traditional experiments. Students will practice safe laboratory procedures and techniques. Upon completion of this course, students will be able to apply these chemical concepts and practices to their personal lives, and have a better understanding of the chemical world around them.

332A & B CHEMISTRY II (11, 12) – 2 Terms 1.0 Credit

Students must complete Chemistry earning a C or better and have the consent of the instructor when signing up for Chemistry 2

Chemistry 2 is a continuation of Chemistry I. The focus of this two term course is the introduction of advanced chemistry topics for students interested in science careers. Students will learn about solutions, equilibrium and reaction rates, acids/bases and redox reactions. In addition, students will be introduced to organic chemistry, biochemistry, and nuclear chemistry concepts. Students will practice safe laboratory procedures and techniques as they investigate these topics.

Upon completion of this course, students should have a strong background in basic Chemistry concepts, should be able to successfully use a variety of laboratory techniques, should be able to apply chemistry concepts to everyday events, and will have been exposed to a variety of advanced Chemistry topics. For students pursuing a career in a science field, this course will help them identify specific interests and strengths which can be used to narrow the field of prospective careers.

340A & B PHYSICS (11, 12) - 2 Terms 1.0 Credit

Upon completion of Physics the student will be able to apply the mathematics of science (measurement, graphing, trigonometry, and problem solving) to understand the concepts of motion, forces, energy, optics, and momentum. The student will be able to make measurements, collect and analyze data, and then draw conclusions.

Prerequisite: Algebra II completed.

SOCIAL STUDIES

218A & B EARLY U.S. HISTORY - 2 Terms 1.0 Credit

The students will explore the beginning, growth and development of the United States from the reasons for exploration through the reconstruction period following the American Civil War.

Students will come to understand the international rivalries that led to the opening of America, the religious, political and societal diversity of the early colonies, the cause, the events during in and results of the Revolutionary War, and the breakdown of the first United States government.

Students will understand the issues in the creation of the U.S. Constitution and the currency of these issues today, the development of the two party system, the changing character of American political life under Andrew Jackson, the expansion of the nation driven by the feelings of Manifest Destiny, and the politics, economics, and the ideologies that led to the Civil War.

228A & B RECENT U.S. HISTORY – 2 Terms 1.0 Credit

Students will investigate, review and analyze events in United States history from the conclusion of the Civil War to the present. They will develop an understanding of the social, economic, political, and human factors that are interwoven through the history of the period. They will develop an understanding of the relationship between historical events and events occurring in the current time period, and understand how the past has shaped and influenced the United States today.

250A & B CONTEMPORARY AFFAIRS (11,12) – 2 Terms 1.0 Credit

The primary objective of this course is to develop an interest and an awareness of the events taking place in our contemporary world. Students will be encouraged to follow a variety of newsgathering media in order to obtain the information. They will also be required to assess and evaluate news events that will impact their personal lives, their family, American society and governmental structures around the world. Through the use of electronic media, newsprint, and class presentation, students will realize the impact current events have on their everyday world.

Course Goals:

- Students will identify various sources of contemporary events through television
- Students will identify various sources of contemporary events through newsprint
- Students will use the Internet to identify contemporary events of the past and present
- Students will investigate contemporary events for the impact they have on students, family, government, etc.

0242 AMERICAN GOVERNMENT (11,12) 1 Term 0.5 Credit

Students will be able to identify the structural basis of our national, state, and local government. Building upon that base, students will develop their analytical and critiquing skills to work toward better government procedures and practices. Students will improve their skills of relating current government developments to their historical context.

0245 ECONOMICS (11,12) 1 Term 0.5 Credit

Students will also develop an understanding of macroeconomics (the total picture) as well as microeconomics (sub-divisions including credit, taxes, investments). Upon completion of Economics, students will begin to analyze how the U.S. economy functions in theory according to the major economists as compared to how it functions in reality of everyday economic and political occurrences.

***243A & B SOCIOLOGY (11,12) 2 Terms 1.0 Credit**

This course is articulated with FVTC for advanced standing.

Sociology is a course that involves the study of human groups, cultures and social problems. Special emphasis will be placed on understanding the scientific method and its use in understanding and developing solutions to current problems. Upon completion of this course, students will be able to demonstrate a working knowledge of social conditions in past and present cultures, utilize the scientific method in understanding social problems, and develop a greater understanding of different cultures, current drug related issues, juvenile delinquency, current family situations, social classes, and crimes.

***246A & B PSYCHOLOGY (11,12) 2 Terms 1.0 Credit**

This course is articulated with FVTC for advanced standing.

This course includes various areas of common concern in the study of the individual and the individual's relationship with others. Special emphasis will be placed on understanding you and other people. Upon completion of this course, students will exhibit thorough discussion and writing insight into the following areas: the influence of psychology on daily life, interaction of body and brain in creating awareness of the world around you, intelligence and creativity, physical and emotional development, evaluation of personality, behavior disorders and treatments and group behavior. Students may choose to take the AP Psychology test after completing this course; however, some additional course study will be necessary.

***Students in the 11th and 12th grade may take either Sociology or Psychology but not both in the same year.**

248A & B AP US HISTORY (11,12) 2 Terms, 1.0 Credit (Spring semester only)
Prerequisite: Early US History, Recent US History and American
Government or Economics
(Juniors can take AP US History the same year that they are also
scheduled to take either American Government or Economics).

(This is an Advanced Placement Course).

The AP program in US history is designated to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in US history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical material-its relevance-and to weight the evidence and interpretations presented in historical scholarship. AP US History develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. College credits are awarded based on the performance on a final multiple choice test (55 minutes) and a series of essay questions (130 minutes.) *Students will receive class material at the start of the 2nd term and will be expected to have assigned reading material and assignments completed for the first day of class.*

**VOCATIONAL ARTS DEPARTMENT
(Agricultural & Technical)**

0780 WOODS for Home, Farm, & Recreation (9, 10, 11, 12) 1 Term .5 Credit

The Woods course focuses on two basic areas of instruction: woodworking and construction. The course is designed around “hands on” projects. During the term students will be learning to use many of the power and hand tools, practicing safe work habits, as well as exploring related careers.

At the completion of the course students will be able to: (1) read print drawings and apply them to a project, (2) select quality stock, (3) make accurate measurements, (4) make a variety of cuts to size and design the wood, (5) assemble stock using fasteners, (6) apply finishes, and (7) explain the importance of safety and safety rules.

Prerequisite: None

Course Fee: \$25.00 plus project cost

0789 ADVANCED WOODS for Home, Farm, & Recreation (9,10,11,12) 1 Term .5 Credit

The Advanced Woods course covers many aspects of woodworking and construction. Students will follow the logical order of the design and construction process. You will prepare drawings, calculate material needs and costs, plan a production process, and apply your “hands on” skills to complete a final product.

When the course is complete students will be able to: (1) identify various wood products, (2) construct various woodworking joints, (3) use common terms related to woodworking and construction (4) define measurable quality standards, (5) develop construction practices basic to residential construction, and (6) plan and complete a woodworking project from start to finish.

Prerequisites: Woods 0780

Course Fee: \$25.00 plus project cost

775 A, B RESIDENTIAL & AGRICULTURE CONSTRUCTION (11, 12) 1 Term .5 Credit

Residential & Agriculture Construction is designed to help students prepare for a possible career in the field of construction. Students apply their previous knowledge to on-site residential construction. Throughout the year, students work together on “hands on” activities (layout and assembling walls, fasten and sheath trusses, siding and soffit, etc.) to build structures from the ground up.

At the completion of this course students will be able to: (1) design, plan, and apply basic building codes to a residential structure, (2) understand and apply construction practices to the erection of residential structures, (3) analyze subsystems within a home, such as plumbing, heating, and electrical wiring, (4) use safe work habits and practices in the construction field, and (5) explore career opportunities related to the construction field

Prerequisite: Advanced Woods 0789

Course Fee: \$25.00

0783 METALS for Home, Farm, & Recreation (9, 10, 11, 12) 1 Term .5 Credit

Metals is a term introductory course representing the major areas of the metalworking industry. Materials and processes commonly used to fabricate and produce products will be covered. Sheet metals, welding, machining, and heat treatment are a few of the major processes that will be included. The general occupations representing different methods of shaping, forming, cutting, and assembly of metal products will be covered.

At the completion of this course students will be able to: (1) utilize the equipment in the metal shop facility to produce a metals product using production methods, (2) incorporate concepts such as quality control, just-in-time production, and material management during “hands on” activities, (3) identify and demonstrate proper use of metal working equipment, (4) understand and apply blueprint reading, and (5) explain the importance of safety and safety rules.

Prerequisites: None

Course Fee: \$25.00 plus projects

0787 ADVANCED METALS for Home, Farm, & Recreation (9, 10, 11, 12) 1 Term .5 Credit.

This advanced course will provide students the ability to build on the knowledge and skills that they have learned to further their understanding of the various metal working operations. Students will use their knowledge of the metal working equipment to build projects of their choice.

At the completion of this course students will be able to: (1) Identify and set up the proper metal working equipment to use for individual projects. (2) Design a blueprint and plan for completing one or more projects of their choice (3) understand the importance of proper layout and measurement in metal working and (3) explain the importance of safety and safety rules.

Prerequisites: Metals 0783

Course Fee: \$25.00 plus projects

0769 ELECTRICITY for Home, Farm & Recreation (9, 10, 11, 12) 1 Term .5 Credit,

The Electricity course is designed around the theory, practices, applications, and experiences in each area. Using a variety of electricity components students will create electricity projects through “hands on” projects. You will learn about the science of electricity. In addition, students will use small modules to complete residential wiring activities.

At the completion of this course students will be able to: (1) demonstrate various electrical connections and layouts required in residential wiring, (2) explain the basic electrical theory used in residential wiring, (3) apply the National Electrical code and standards as they apply to residential wiring.

Prerequisite: None

Course Fee: \$25.00 plus projects

0771 ADVANCED ELECTRICITY for Home, Farm & Recreation (9, 10, 11, 12) 1 Term .5 Credit

Advanced Electricity will continue in complexity where Basic Electricity ended. Advanced projects in 120 – 240 volts, breaker boxes, low voltage (like doorbells), electric motors, and conduit wiring are examples of some of the project areas. The final project is called the “Master Board”.

At the completion of this course, students will be able to: (1) demonstrate various electrical connections and layouts required in residential wiring, (2) explain the electrical theory used in residential wiring, (3) apply the National Electrical code and standards as they apply to residential wiring.

Prerequisite: Electricity 0769

Course Fee: \$25.00 plus projects

0833 POWER for Home, Farm & Recreation (10,11,12) 1 Term .5 Credit

The course deals with home, recreation, and farm power equipment. The class will include the following topic areas: gas engines, diesel engines, power shop equipment, power lawn equipment, power house equipment, appliances, and unconventional power sources. The majority of class time is devoted to “*hands on*” projects focused around proper automobile maintenance.

At the conclusion of this course students should be able to: (1) understand tools, terms, practices, procedures, supplies, and safety for general power mechanics, (2) incorporate the knowledge gained into daily life skills, (3) perform preventive maintenance, trouble shooting, and repair in all power mechanic areas, (4) identify potential hazards in the home and farm power equipment.

Safety equipment, proper clothing, and access to an automobile are required to attend this class.

Prerequisites: None

Course Fee: \$25.00

**0834 ADVANCED POWER FOR HOME, FARM AND RECREATION (11, 12)
1 Term .5 Credit**

The Advanced power mechanics course will cover the same topic areas as the power mechanics course. Students in the advanced power class will be able to apply the content learned in the power class to projects of their choice. Project examples include: roll bars, push bumpers, engine builds, suspension modifications, go-carts, lawnmowers, snowmobiles, and ATV's. 90 percent of class time will be hands on shop activities. Students are expected to have projects to work on for an entire term.

Prerequisite: Power 0833

Course Fee: \$25.00

0776 DESIGN FOR COMMERCIAL, MECHANICAL, RESIDENTIAL & AGRICULTURAL DRAFTING (9, 10, 11, 12) 1 Term .5 Credit

Design is a term course that deals with varying aspects of drafting, design, and problem solving. This course will give introductions to sketching, hand drafting, two-dimensional drafting, three-dimensional drafting, blueprint reading, architectural design, and engineering assemblies to problem solve.

At the completion of this course students will be able to: (1) identify differing drawing types, line types and their uses, drafting tools, and program commands (2) draft an object from a drawing, actual object, or list of plans/ideas (3) read a blueprint accurately (4) explain the important role of drafting and design in our society today (5) use their knowledge of design to solve mechanical and engineering problems.

Prerequisites: None

Course Fee: \$25.00

0815 ANIMAL SCIENCE (9, 10, 11, 12) 1 Term .5 Credit

The Animal Science course focuses on large animals for production. Animals discussed are dairy cattle, beef cattle, swine, sheep, goats, and poultry. Areas of study include identification of breeds, nutrition, reproduction, health care, disease prevention, housing, management of facilities, and career possibilities.

At the completion of this course, students will be able to:

- Identify and describe characteristics of specific animal breeds
- Describe the purpose and uses of production animals
- Explain safety, when working with productivity animals

Prerequisite: None

Course Fee: None

0817 SMALL ANIMAL VETERINARY CARE (9, 10, 11, 12) 1 Term .5 Credit

This course is articulated with FVTC for advanced standing.

Small Animal Veterinary Care is a course designed for the every day pet owner who is interested in learning more about his or her companion animals and basic veterinary care. Some of the animals discussed in this course include dogs, cats, rabbits, rodents, fish, and birds. Many hands on activities in this course include giving shots, applying first aid techniques, wound wrapping, feeding, cleaning pet cages, trimming toe nails, performing health inspections, grooming techniques and training methods of pets. Other areas of study include responsibilities of being a pet owner, nutrition, reproduction, housing, handling pets, disease prevention, and health care.

At the completion of this course students will be able to:

- Explain the purpose, use and value of companion animals
- Perform first aid techniques on pets, including injections, wound wrapping
- Identify health problems and diseases of pets
- Discuss the pet store/sales market and euthanasia
- Demonstrate responsible pet ownership and care

- Train rats with positive reinforcement methods

Prerequisite: None

Course Fee: None

If you are a junior or senior interested in pursuing Madison Area Technical College's Laboratory Animal Technician Certificate Program as an Independent Study please see the Ag Instructor.

0819 HORSE SCIENCE (9, 10, 11, 12) 1 Term .5 Credit

The horse industry is continuously growing and changing with the trends of society. Horses will be discussed in terms of riding techniques, training, veterinary care, breed identification, and tack care. Students will have the opportunity to use the Kentucky Equine Research nutrition-rationing program to formulate feeds for horses. Hands on activities include properly cleaning tack, creating a balanced diet, and proper grooming techniques.

At the completion of this course, students will be able to:

- Formulate diets and determine if they are balanced
- Demonstrate how to properly handle horses
- Describe the facilities and equipment necessary to raise horses
- Troubleshoot health problems of horses and determine treatment

Prerequisite: None

Course Fee: None

0827 WILDLIFE AND FORESTRY (9, 10, 11, 12) 1 Term .5 Credit

Students in Wildlife and Forestry will concentrate on the preservation of wildlife, their habitat, and challenges faced by wildlife and the forest industry. Wildlife species will be discussed in detail including bears, wild dogs, wild cats, game birds, waterfowl and small fur-bearing animals. Forestry topics will center on tree identification, management of a forest, the Great Forest Fires, career opportunities, and the problems encountered by insects and diseases in Wisconsin forests. Hands on activities in this course will include doing a fish taxidermy, tree species identification and determining timber volume estimates.

At the completion of this course students will be able to:

- Identify wild game, bird and fish species
- Complete a fish taxidermy
- Discuss challenges faced by wildlife due to their decreasing Habitats
- Explain current employment opportunities in the industry
- Debate how harvest techniques can be positive and negative on wildlife
- Discuss how to solve problems such as the gypsy moth in Wisconsin forests.

Prerequisite: None

Course Fee: None

****0829 GREENHOUSE MANAGEMENT (Plant Science I) (9, 10, 11, 12)**
1 Term .5 Credit

This course is articulated with FVTC for advanced standing.

The Plant Science/Greenhouse Management Course is designed to cover topics that apply to anyone with an interest in plants. Areas of study include identifying houseplant species, flower identification, growing mediums, and propagation methods. “*Hands on*” experience is a large part of this course.

At the completion of this course students should be able to:

- Identify several houseplants and flowers
- Discuss principles of the plant life cycles
- Troubleshoot problems of plants including insect infestation, and diseases
- Demonstrate the proper procedure for planting and transplanting plants
- Explain career opportunities available in the greenhouse industry

Prerequisite: None

Course Fee: None

****0830 LANDSCAPE DESIGN (Plant Science II) (9,10,11,12) 1 Term .5 Credit**

This course is articulated with FVTC for advanced standing.

Landscape Design is a course with many hands on opportunities. Students will learn the basic principles of design and landscape plant requirements. Students will also design and create their own home landscape project.

At the completion of this course students should be able to:

- Identify landscaping plants and explain their growth requirements
- Describe principles of landscaping
- Successfully landscape a residential home or community service project

Prerequisite: Greenhouse Management

Course Fee: None

***Students interested in alternate science elective credits in the plant area please see the Ag Instructor.**

0844 LEADERSHIP: (9, 10, 11, 12) 1 Term .5 Credit

Would you like to become a leader or improve your current leadership skills? Well, this is the course for you! Leadership is a “hands on” course where students will be given opportunities to practice their leadership skills. Class activities include: parliamentary procedures, personality assessments, teamwork building techniques, and improving communication skills. Students will have the opportunity to explore themselves in leadership roles and discuss what makes leaders effective along with building their own entrepreneurial project.

At the completion of this course, students will be able to:

- Organize and direct group activities
- Enhance communication skills
- Demonstrate knowledge of parliamentary procedure
- Work on individual goals for leadership

Prerequisite: None

Course Fee: None

**CHILTON HIGH SCHOOL
ATHLETICS PROGRAM**

Boys Athletics

0917 - Baseball (Spring)
0918 - Cross Country (Fall)
0919 - Football (Fall)
0928 - Basketball (Winter)
0929 - Swimming (Winter)
0938 - Wrestling (Winter)
0939 - Track (Spring)
0948 - Golf (Spring)
0949 - Tennis (Spring)

Girls Athletics

0934 - Swimming (Fall)
0935 - Track (Spring)
0936 - Basketball (Winter)
0937 - Volleyball (Fall)
0945 - Tennis (Fall)
0918 - Cross Country (Fall)
0946 - Softball (Spring)

Athletic Support Groups

0942 - Cheerleading (Fall and/or Winter)
0943 - Dance Team (Fall AND Winter)