

Blue Collar

Gold Swagger



NEWBERG
Tigers

**Newberg High School
Course Guide
2023-2024**



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Principal's Message

Newberg High School Tigers:

I'm excited to share with you the course guide for the 2023-2024 school year! While the last few years have been incredibly challenging, we continue to be thankful that we can serve you and your educational needs in person and provide a variety of opportunities to you.

Thank you for taking the time to peruse your course options in preparation for the fall. As your principal, I want to work with students, parents, staff and community to ensure ALL students graduate career, college and life ready. A student's high school experience can be one that accelerates them towards their personal dreams and aspirations. Graduating from high school opens doors to possibilities and opportunities. Whether a student's aspirations lead them to college, apprenticeship or directly into the workforce, there are growing opportunities at Newberg High School to prepare them for that next step. ALL students and parents have access to their school counselor and our Post Secondary Success Coordinator to help them plan a path to their goals and access opportunities to help them get there.

There are a series of required courses that all students in Oregon must complete. Additionally, we are fortunate to offer many elective and career and technical courses to support students as they prepare for their college and/or career aspirations. Our school is proud of its growing community partnerships that create relevant opportunities for students in many of our courses. Additionally, we are very excited for the opening of our new science and CTE building this fall! We hope that our new facilities will allow students to learn real world, relevant and meaningful skills to prepare them for success beyond high school.

Newberg High School also offers a wide variety of clubs, activities, sports and performing arts to meet the interests of students and enhance their overall experience. Student involvement will help make the high school experience more engaging, successful, and memorable. We encourage everyone, including adults, to get involved to make sure these opportunities continue to grow and support the success of our students.

Our staff is committed to delivering an exceptional educational experience for ALL students. I encourage parents to reach out to staff to learn more about opportunities and to work collaboratively with staff to support the success of your student. Parent involvement is critical to the success of our students! By working with parents we can create an environment at Newberg High School where students feel cared about and encouraged to work hard towards their vision of a successful future.

All my best,

Tami Erion, Principal

Scheduling Information

Scheduling Information

The Newberg High School Course Guide contains valuable course information that we hope is carefully reviewed and guides course selection for the 2023-2024 school year. This guide should be used as a tool to help plan course work that reflects your post-secondary goals. Each spring students begin forecasting for the following year. We ask students to select courses with careful consideration and consult with their current teachers for assistance on best placements. We encourage parents to have conversations around the selected courses prior to signing the forecasting sheet. A list of all classes offered is included in this course guide. The listing displays the name of the class, number of credits, number of semesters, materials fees, grade level and any prerequisite classes required. As you plan your education for next year we ask you to keep the following in mind:

- Are you selecting coursework that supports future goals?
- Are you taking the most rigorous and challenging course work that meets your capabilities?
- The classes offered at NHS are based on student requests.
- Are you prepared to complete the courses requested on your forecasting sheet?
- Check prerequisites before selecting a class.
- Students should be consulting with their current teachers regarding the selection of core classes in math, social studies, science, and English.
- Teacher conversation regarding Advanced Placement course work is highly encouraged thereby facilitating more informed decisions about expectations and potential for success.
- Students participating in athletics/activities must be enrolled in 5 classes, which is equivalent to full- time status.
- Your counselor is a great resource during the forecasting process.

Schedule Correction Procedure

Prior to requesting a schedule correction please read through the following procedure.

Every attempt will be made to honor forecasting requests and build the best schedule for each student. For scheduling concerns, please come to the Counseling Center.

Schedule correction requests will be made for the following reasons:

- A period is missing.
- The student was placed in the wrong level (i.e. needs to take Spanish 1, but is in Spanish 2).
- A required class/subject is missing.
- Illness/Injury (a doctor's note may be required)

Schedule corrections are typically not made for the following:

- Requesting for a specific teacher.
- Change of lunch period.
- Change of unwanted elective or core class. (including AP* classes)

A student who drops a class AFTER 10 days from the start of the semester will receive an F for the semester, regardless of current grade in class. The F will appear on their transcript and impact the student's GPA.

Counselor and administrator approval is required for extenuating circumstances.

***Signing up for AP classes requires a yearlong commitment. AP classes will not be dropped at semester unless extenuating circumstances exist. Parent and student signature on forecasting sheet is required for AP participation.**

Graduation Requirements

Students must earn 26 credits in the designated subject areas. In addition, students must complete the personalized learning requirements and show proficiency in essential skills. **One half (.5) credit is earned for each class successfully taken and passed each semester.**

	Standard Diploma	Honors Diploma (<u>UNWEIGHTED</u> 3.5 GPA)
Credit Requirements		
English/Language Arts	Credits Required: 4 Includes reading, writing, speaking, listening, literature with emphasis on expository writing each year for four years	Credits Required: 4 Two (2) of the four (4) credits must be taken in Advanced Placement or dual college credit classes
Mathematics	Credits Required: 3 All at Algebra 1 and above and any other advanced math courses accepted for admission to an Oregon Public University	Credits Required: 4 Includes one (1) credit in mathematics beyond Algebra 2 (including Advanced Placement or college bearing credit courses.)
Science	Credits Required: 3 Includes 1 physical science and 1 life science (2 with lab experiences)	Credits Required: 4 Includes one (1) credit of Advanced Placement or college bearing credit or other approved advanced coursework in life science or physical science
Social Sciences	Credits Required: 3 Includes World Studies, American Studies, Government, and Economics	Credits Required: 3 Includes two (2) credits of Advanced Placement or college bearing credit or other approved advanced coursework
Physical Education	Credits Required: 1	Credits Required: 1
Health	Credits Required: 1	Credits Required: 1
Second Language	Credits Required: 2 With proficiency in 2nd Language (two years of same language)	Credits Required: 3
The Arts/Career Technical Education	Credits Required: 1	Credits Required: 1
Electives	Credits Required: 8	Credits Required: 7
Total Credits	Credits Required: 26	Credits Required: 28
Essential Skills		
Proficiency in all Essential Skills: Reading/Writing/Math Required		
Personalized Learning Requirements: Ed Plan & Profile: Required for all diplomas Career-Related Learning Experiences: Required for all diplomas Extended Application: Capstone project for all seniors		

Academic Information

Essential Skills – ****Paused through at least 2024****

In addition to meeting the course and credit requirements, students must meet the Essential Skills graduation requirements by demonstrating proficiency in reading, writing and math. Proficiency in these skills can be demonstrated through a variety of assessment options that are administered under secure conditions.

- The Oregon Statewide Assessments (Smarter Balanced)
- Samples of student work administered under secure conditions and score by trained teachers
- Additional standardized assessments (such as the PSAT, SAT and ACT)

To support students in meeting proficiency in Essential Skills, students may be enrolled in Lab/Tutorial courses. More information about Essential Skills can be found at the Oregon Department of Education: <http://www.ode.state.or.us/search/page/?id=2042>

Personalized Learning

The following requirements personalize the diploma for each student and help prepare them for their post-high school goals. Education Plan and Profile: Students develop an Education Plan and Profile to guide their learning and document academic achievement and progress toward their personal, career and post-high school goals. Career-Related Learning Experience: Students participate in experiences that connect classroom learning with real life experiences in the workplace, community, and/or school relevant to their education. Extended Application: Students apply and extend their knowledge in new and complex situations related to the student's personal and career interests and post-high school goals through critical-thinking, problem solving, or inquiry in real world contexts. It is recommended students choose a pathway to access courses leading to their post-secondary goals. Pathway information can be found on pages 14-23 of this guide.

Academic Information

Valedictorian/Salutatorian:

The valedictorians will be students with an unweighted grade point average of 4.0 or above and earning an Honors Diploma. The salutatorian will be the student with the next highest unweighted grade point average and earning an Honors Diploma.

Grading:

Unweighted Grades A high school course with an unweighted grade shall be defined as:

- A standard course that does not receive a four- year public university credit.
- A standard course that does not have an "Advanced Placement" (AP) designation.

Weighted Grades (Grade Weighting) A high school course with grade weighting shall be defined as:

1. A course for which a student may receive Oregon University System University Transfer credit.
2. A course receiving an "advanced placement" (AP) designation by the College Board or other national entity with authority to certify advanced placement courses.

Academic Information

Letter-Grade Mark	Unweighted Grade	Weighted Grade
A	4	5
B	3	4
C	2	3
D	1	2
F	0	0
NC	0	0

Pass/No Pass Grades

Pass/No Pass Grades are issued for courses which do not have a recognized set of state, national or industry standards. Pass/No Pass courses may include: Aide, Work Experience, etc. Courses issued a Pass/No Pass will be designated as such in the course guide. Pass/No Pass courses do not calculate into the GPA, but shall be issued elective credit towards graduation requirements when passed.

Recovering A Failed Course

- Flexible Learning Center (FLC)
- Summer School
- Repeating a course (in the classroom)

Flexible Learning Center (FLC)

The Flexible Learning Center is an opportunity for students to recover credit in a class in which they previously earned a grade of "F." Most core content classes are available through a student's counselor recommendation. Online learning expands options for students to get back on track for graduation. Students work independently and are not charged a fee, unlike summer school. Credit is granted in the same manner as other courses and courses are managed by a licensed teacher. Successful candidates for credit recovery have good attendance, have made significant progress in the classroom version of the course, are self-motivated, and are ready to take responsibility for their learning goals. Basic keyboarding skills are also very helpful. NOTE: Cannot be used to meet NCAA core course requirements.

Repeating Courses Previously Taken and Passed Some courses may be repeated for credit. This is noted within this course guide under course description. Both grades will show on the transcript and be calculated into the GPA.

Grade Change Requests Grade change requests must be submitted to the teacher of record in writing by the end of the next semester in order to be considered.

Academic Information

The following is a list of courses at NHS that will receive a weighted grade:

AP English Language & Composition	Honors Biology
AP English Literature & Composition	Honors Chemistry
AP Computer Science Principles	Anatomy & Physiology
AP Calculus AB	Intro to Medical Sciences
AP Statistics	English 4 - Writing 121
AP Chemistry	Pre-Calculus
AP Studio Art	Spanish 4
AP European History	
AP US History	
AP Government	

Advanced Placement

Newberg High School students have the opportunity to take Advanced Placement (AP) classes in English, Social Sciences, Math, Science, Computer Science, and Art. Through the AP Exams, students have the opportunity to earn credit at most of the nation's colleges and universities. Advanced Placement courses offer numerous benefits. AP coursework allows students to get a head start on college level work, stand out in the college admissions process, and broaden their own intellectual horizons. The only prerequisite to taking an AP course is a strong curiosity about the subject and a willingness to work hard. Additionally, during forecasting, students and parents/guardians will be asked to sign an agreement regarding enrollment in AP courses. For more information, please refer to the course descriptions or contact your counselor. Fee waivers may be available for the AP exam fees.

The following website will assist students in determining potential credit given by colleges based on AP exam scores:

<https://apstudent.collegeboard.org/creditandplacement/search-credit-policies>

Academic Information

College Dual Credit Options Newberg High School currently articulates coursework with Portland Community College, and has potential articulation opportunities with Linn-Benton Community College, Chemeketa Community College and OIT & WOU (through Willamette Promise). Students have the opportunity to earn dual high school and college credit. College credit is awarded based on individual course requirements. Please see below and refer to course descriptions in this catalog for more information. Course offerings determined by teacher accreditation and availability.

NHS Course Title	College Course Information		Course Credits	Post-Secondary Articulating Institution
Art				
Drawing 3	ART 131A	Drawing 1	4 credits	PCC
English				
English 4 (Writing 121)	WR 121	College Writing I	4 credits	WOU
English 4 (Writing 121)	WR 122	College Writing II	4 credits	WOU
Landscape Technology				
General Horticulture	LAT 106	Basic Horticulture	4 credits	PCC
Ornamental Horticulture	LAT 109	Plant Propagation	3 credits	PCC
Math				
Pre Calculus A	MTH 111	College Algebra	4 credits	WOU
Pre Calculus B	MTH 112	Elementary Functions	4 credits	WOU
Calculus A	MTH 251	Calculus I	4 credits	PCC
Calculus B	MTH 252	Calculus II	5 credits	PCC
Spanish				
Spanish 4A/B	SPA 201	Second Year Spanish: First Term	4 credits	PCC
Spanish 2,3,4; Native Speakers 1 & 2	SPA 101-103	First Year Spanish	4 credits	WOU#
Spanish 2,3,4; Native Speakers 1 & 2	SPA 201-203	Second Year Spanish	4 credits	WOU#
Science				
Honors Biology	BIO 101	General Biology: The Diversity of Life	4 credits	WOU
Honors Biology	BIO 102	General Biology: The Foundations of Life	4 credits	WOU
Anatomy & Physiology	BIO 103	Introduction to Human Anatomy and Physiology	4 credits	OIT
Introduction to Medical Sciences	BIO 109	Introduction to the Medical Sciences	2 credits	OIT
Introduction to Medical Sciences	BIO 200	Medical Terminology	2 credits	OIT
Honors Chemistry	CHEM 104	Chemistry and the Environment	4 credits	WOU

Spanish credits through Willamette Promise vary by student performance on final assessment. Students may earn up to 8 credits per year for Spanish.

College & University Information

Oregon Public University (OPU) Admission Requirements

Below are the minimum credit requirements for an Oregon Public University. Please see University websites for specific requirements.

Oregon Public University Course Requirements	
English	4 Credits with a C or better
Math	3 Credits culminating with Algebra 2 or higher, with a C or better
Science	3 Credits with a C or better
Social Science	3 Credits with a C or better
Second Language	2 Credits with a C or better
SAT and/or ACT	Optional

Community College Requirements

Oregon community colleges have an open enrollment admission policy. Students can complete a certificate program, a 2-year Associate's Degree, or the Oregon Transfer Module in order to transfer to a 4-year college or university. Placement testing at community college is required before any courses can be scheduled. Students are not required to take the SAT or ACT for community college admission.

Private Colleges and Universities Private and out of state colleges and universities have specific entrance requirements. Consult your counselor or research requirements on CIS** or the college website.

College Admission Test Dates: <http://www.collegeboard.org>

Anticipated SAT Test Dates	ACT Test Dates	PSAT Test Date
March 11, 2023	April 15, 2023	TBD
May 6, 2023	June 10, 2023	
June 3, 2023	July 15, 2023	
August 26, 2023	September 9, 2023	
October 7, 2023	October 21, 2023	
November 4, 2023	December 9, 2023	
December 2, 2023	February 10, 2024	
March 9, 2024	April 6, 2024	
May 4, 2024	June 8, 2024	
June 1, 2024	July 13, 2024	

** See page 13 for information regarding CIS

College & University Information

Selective College Admissions

Core course requirements vary from state to state, and many of the more selective colleges will want to see a high school record that goes beyond minimum graduation requirements. AP and dual credit courses are a must at the most selective schools. Also, some schools require one year or more of fine/applied arts and three or more years of consecutive foreign language. Note that many colleges with holistic admissions do not have specific course requirements for admission. **It is your responsibility to check the admission requirements of the specific schools you plan to apply to as requirements may change annually.** The chart below shows minimum course recommendations for a sampling of selective colleges.

College	English	Math	Science	Social Studies	World Language	Notes
George Fox Univ.	4 years	3 years	3 years	3 years		NHS grad requirements
Linfield	4 years	4 years through Alg. 2	3-4 years	3-4 years	2-4 years	
MIT	4 years	Through Calculus	Bio, Chem, Physics	3 years	2 years	
Princeton	4 years	4 years (w/Calc for Engineering students)	3 years	3 years	4 years	AP & Honors courses, visual/ performing arts study
Reed	4 years	3 years	3 years	3 years		No specific courses required. Take rigorous schedule.
UCLA	4 years	3 years (4 recommended)	3 years	3 years	2 years (3 preferred)	Calculus recommended, 1 year of fine/applied art required, 1 year of college prep elective.
U of Washington	4 years	3 or 4 years (must include senior year math or chem/ physics)	3 years	3 years	2 years	.5 fine, visual/perform art and .5 academic elective required. Rigor emphasized.
Willamette	4 years	4 years	3-4 years	4 years	3-4 years	Art, music classes desirable
Stanford	4 years	4 years	3 or more years, including Bio, Chem and Physics	3 or more years	3 years	
U of Portland	4 years	3-4 years	3-4 years	3-4 years	2-4 years	
Gonzaga	4 years	3-4 years	3-4 years	3 years	2-3 years	Rigor, AP classes, encouraged to take 4-5 academic courses in senior year
USC	4 years	3-4 years (Alg through Trig or Calc)	3-4 years	3 years	2-4 years	3 years academic electives

Future Planning

CIS

The Oregon Career Information System (CIS) is a web-based program to assist students in making future plans. Students are able to access this program from any computer with Internet access. Students and parents are encouraged to visit the website. Below is the web address as well as the login information needed to access the site.

Web Address: <http://oregoncis.uoregon.edu>

Login: nhstigers

Password: victory

Students can use their school login and password to create a personal portfolio. All exploration activities and personalized learning requirements (for graduation) done through CIS can then be saved for reference.

District Website Visit the following links from the Newberg High School website for more information on college and career planning:

<http://www.newberg.k12.or.us/nhs/newberg-high-school-graduation-requirements>

<http://www.newberg.k12.or.us/nhs/counseling>

College and Career Exploration

Students will participate in numerous career and college exploration opportunities in grades 9-12. These activities encourage active career related research – taking into account each student’s interests, strengths and future plans, whether it is a 4-year college or university, a two year college, the workforce, the military or technical training.

Sample 4 Year Education Plan

Subject	Credits	9 th	10 th	11 th	12 th
Language Arts	4	English 1	English 2 or Accel. English 2	English 2, AP Lang or Lit Author 1	English 4, AP Lit or Lit Author 2
Mathematics	3	Algebra 1 or higher	Geometry or higher	Algebra 2 or Integrated Math or higher	Algebra 2 or high recommended for all, esp. college bound
Science	3	Physical Science or Biology	Biology or Chemistry	Other Science (required)	Recommended for all, esp. college bound
Social Science	3	Modern World	Modern US or AP US History	AP European History (elective)	Government & Economics, or AP US Government
Health	1	Health 1	Health 2 (or in junior year)		
Physical Ed.	1	Frosh PE	Choice PE credit		
World Language	2	Spanish 1, German 1, French 1, or Native Speakers 1	Spanish 2, German 2, French 2, or Native Speakers 2		
Arts/Career & Tech Education	1	Choice	Choice		
Electives	8	Choice	Choice	Up to 4 credits of electives	Up to 5 credits of electives
Personalized Learning Req.	X	Ed Plan & Career Related Learning Standards	Ed Plan & Career Related Learning Standards	Ed Plan & Career Related Learning Standards	Ed Plan & Extended Application
Essential Skills ON HOLD	X	Work Samples	Work Samples	Smarter Balanced or Work Samples	Work Samples (if needed)

NEWBERG HIGH SCHOOL CAREER PATHWAYS

PERFORMING
ARTS



DIGITAL
ARTS



BUSINESS
MARKETING



CULINARY
MANAGEMENT



EDUCATION



MEDICAL
SCIENCES



INFORMATION
TECHNOLOGY



INTEGRATED
MANUFACTURING



AG. TECH



CTE

Career Technical Education

Why Choose CTE?

- Real world skills
- Hands-on learning
- Earn credit for working
- Earn college credit
- Paid internship opportunities
- Work toward professional certifications
- Instructors with industry experience
- Student leadership opportunities
- Develop professional skills

Become a CTE Concentrator

Complete a total of **3 credits** in a specific pathway to qualify as a CTE Concentrator. Students who concentrate in CTE areas may have access to opportunities for industry certifications, internships, competitions, work experience credit, and employability skill badges.





AG. TECH

PLANT SCIENCES
ANIMAL SCIENCES
WELDING



*College Credit

INTRO TO AG

Recommended for all focus areas

WELDING

WELDING 1

Beginner

WELDING 2

Intermediate

WELDING 3

Advanced

WELDING 4

*Advanced
Internship*



PLANT SCIENCE

*GENERAL HORTICULTURE

Beginner

*ORNAMENTAL HORTICULTURE

Intermediate

AG NATURAL RESOURCES

Intermediate



ANIMAL SCIENCE

COMPANION ANIMAL SCIENCE

Beginner

LIVESTOCK ANIMAL SCIENCE

Beginner

VETERINARY SCIENCE

Intermediate



Additional Classes and Potential Pathway Opportunities

AG BUSINESS
LEADERSHIP

Agricultural Leadership
FFA



CAREER OPPORTUNITIES





BUSINESS MARKETING

BUSINESS MARKETING IS A CTE PATHWAY THAT PROMOTES CREATIVITY & PROJECT BASED LEARNING WHILE PREPARING STUDENTS FOR THE REAL WORLD.



INTRO. TO BUSINESS *REQUIRED FOR PATHWAY*



SPORTS & EVENT MARKETING *BEGINNER*

SOCIAL MEDIA MARKETING *BEGINNER*

STUDENT STORE CLASSES

RETAIL MARKETING *INTERMEDIATE*

MARKETING MANAGEMENT *INTERMEDIATE*



ENTREPRENEURSHIP *ADVANCED*



Additional Classes and Potential Pathway Opportunities

CONSUMER ECONOMICS

BUSINESS INDEPENDENT STUDY

CAREER OPPORTUNITIES





CULINARY MANAGEMENT

Culinary Arts
Hospitality
Tourism



*College Credit

FOOD AND NUTRITION
*REQUIRED FOR ALL
CULINARY MGMT CLASSES*

THE SCIENCE AND ART OF FOOD

CULINARY MGMT 1
*International Foods;
Soups, Stocks, &
Sauces*

CULINARY MGMT 2
*Fruits, Vegetables, &
Side Dishes*

CULINARY MGMT 3
*Breakfast
Sandwiches, Salads, &
Garnishes*

CULINARY MGMT 4
Meats & Sweets

CULINARY MGMT 5
Catering Assistant

CULINARY MGMT 6
*Independent Study:
Culinary or Hospitality*



**Potential Pathway
Opportunities**

**INTERNSHIPS &
SCHOLARSHIPS**

**PROSTART
CERTIFICATION**



CAREER OPPORTUNITIES





DIGITAL ARTS

PHOTOGRAPHY
GRAPHIC DESIGN
YEARBOOK



*College Credit

PHOTOGRAPHY 1
*RECOMMENDED
FOR ALL FOCUS AREAS*

GRAPHIC DESIGN

GRAPHIC DESIGN 1
Beginner

GRAPHIC DESIGN 2
Intermediate



PHOTOGRAPHY

PHOTOGRAPHY 1
Beginner

PHOTOGRAPHY 2
Intermediate



JOURNALISM

**YEARBOOK &
JOURNALISM**



Potential Pathway Opportunities

**Student Leadership:
Yearbook**



CAREER OPPORTUNITIES





EDUCATION

EDUCATION AND TUTORING
CHILD DEVELOPMENT
FAMILY LIVING



*College Credit

FAMILY LIVING

Beginner

CHILD DEVELOPMENT 1

*(Prenatal to 1)
Offered alternate
years*



CHILD DEVELOPMENT 2

*(1-12 years old)
Offered alternate
years*



EDUCATIONAL TUTORING EXPERIENCE

Advanced



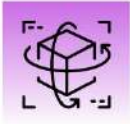
Pathway Opportunities

CADET TEACHING PROGRAM



CAREER OPPORTUNITIES





INFORMATION TECHNOLOGY

COMPUTER SCIENCE
MOBILE APP DEVELOPMENT



*College Credit

EXPLORING COMPUTER SCIENCE *Beginner*

MOBILE APP
DEVELOPMENT
Intermediate



ROBOTICS
Intermediate



*AP COMPUTER
SCIENCE
PRINCIPLES
Intermediate



Potential Pathway Opportunities

This pathway is currently in development.
We look forward to offering more classes in the future.

CAREER OPPORTUNITIES





INTEGRATED MANUFACTURING

CAD AND DESIGN
WOODS AND CONSTRUCTION
ENGINEERING AND MACHINING



*College Credit

CAD 1
Beginner
(Useful for all Focus Areas)

MACHINING

**ENGINEERING
PROCESSES 1**
Beginner

**ENGINEERING
PROCESSES 2**
Intermediate

**TIGER
MANUFACTURING**
*Advanced
Internship*



DESIGN

MAKERSPACE
Beginner

CAD 2
Intermediate

I.D.S.
Intermediate



CONSTRUCTION

WOODS 1
Beginner

WOODS 2
Intermediate

**GEOMETRY IN
CONSTRUCTION**
Math- Algebra 1 Req.

**INTEGRATED
WOOD DESIGN**
Woods 1 and CAD Req.



Potential Pathway Opportunities

**Tiger Manufacturing
Internship Program**



CAREER OPPORTUNITIES





MEDICAL SCIENCES

ANATOMY/ PHYSIOLOGY
PHYSICAL THERAPY
NURSING



*College Credit

Sophomore Year

***INTRO TO MEDICAL SCIENCES**
REQUIRED FOR PATHWAY

Junior Year

***MEDICAL SCIENCES**
Neuroscience
Offered alternate years



***MEDICAL SCIENCES**
Kinesiology
Offered alternate years



***AP ANATOMY &
PHYSIOLOGY**
Full Year Course



Senior Year

***BNA- Basic Nursing Assistant Program**
Earn your CNA (Certified Nursing Assistant)

Potential Pathway Opportunities

**Professional CNA
Certification**



CAREER OPPORTUNITIES





PERFORMING ARTS

DRAMA AND ACTING
STAGECRAFT AND SET DESIGN
VIDEO PRODUCTION



*College Credit

ACTING

**INTRO TO
THEATER**
Beginner

STAGE MOVEMENT
Beginner

**DRAMA AND
ACTING**
Intermediate

MUSICAL THEATER
Advanced



STAGECRAFT

STAGECRAFT 1
Beginner

STAGECRAFT 2
Intermediate

STAGECRAFT 3
Advanced



VIDEO

AV Production 1
Beginner

AV Production 2
Intermediate



Potential Pathway Opportunities

**Student Leadership:
Thespian Society**



CAREER OPPORTUNITIES



Co-Curricular Activities

The Newberg School District considers co-curricular activities to be an integral part of the total educational program. Participation in these activities often provides the best opportunity for the development of student citizenship. Therefore, all students should be given the opportunity to participate in co-curricular activities. The co-curricular program, whether a particular sport, activity or a combination of both in our school, is a body of people and procedures that shares common goals. The goals include providing an enjoyable experience and creating an atmosphere where all students can:

- understand the value of participation
- understand the benefits of teamwork feel a sense of belonging
- feel a sense of accomplishment
- learn how to deal with adversity
- learn how to deal with success
- develop proper standards of conduct
- develop desirable citizenship traits
- learn to respect themselves and others
- strengthen personal growth and help others to do the same
- develop healthful habits
- understand the importance of commitment
- develop leadership skills
- learn to give back to their community

Through participation in various co-curricular programs, students can develop into well-rounded individuals. Students are encouraged to participate in a variety of activities. Lessons learned in co-curricular activities increase success for students in school, and outside the school setting. Positive student behavior in the community leads to a more positive image of young people, and can enhance community support for all school programs.

Benefits of Co-curricular Activities

Activities Support the Academic Mission of Schools. They are not a diversion but rather an extension of a good educational program. Students who participate in activity programs tend to have higher grade-point averages, better attendance records, lower dropout rates and fewer discipline problems than students generally.

Activities are Inherently Educational. Activity programs provide valuable lessons for practical situations – teamwork, sportsmanship, winning and losing, and hard work. Through participation in activity programs, students learn self-discipline, build self-confidence and develop skills to handle competitive situations. These are qualities the public expects schools to produce in students so that they become responsible adults and productive citizens.

Activities Foster Success in Later Life. Participation in high school activities is often a predictor of later success – in college, a career and becoming a contributing member of society.

Co-Curricular Athletics & Activities

Academic Requirements

Student athletes must pass at least five classes the semester before their season begins, and must be enrolled in at least five credit bearing classes throughout the sport season to satisfy OSAA rules for eligibility. In addition, students must also meet graduation credit requirements established by the OSAA. Failure to do so will result in immediate ineligibility for the athlete. Newberg School District policy requires that students have no failing grades, and achieve a 2.0+ GPA in the semester before the season begins in order to participate in athletics and/or activities. Students with one F and/or a 1.5+ GPA may qualify for probation one time each school year, allowing them to continue to participate. For details on the requirements for the probation, students should contact the Athletic office.

NCAA

Students who wish to participate in athletics in college should visit the NCAA Clearinghouse website at <http://eligibilitycenter.org> and register with the Clearinghouse at the end of their junior year. No online/correspondence/distance learning credits are accepted by the NCAA. Review course descriptions for "NCAA APPROVED COURSE". See Mr. Brown or your coach for more information.

NOTE: Not all NHS Courses meet NCAA standards. Please check with the Athletic Office if you have questions.


Fall Athletic Programs (August – November)	
BOYS	GIRLS
Cross Country	Cross Country
Football	Soccer
Soccer	Volleyball
Water Polo	Water Polo
Winter Athletic Programs (November – February)	
BOYS	GIRLS
Basketball	Basketball
Swimming	Swimming
Wrestling	Wrestling
Spring Athletic Programs (March – June)	
BOYS	GIRLS
Baseball	Softball
Golf	Golf
Lacrosse	Lacrosse
Tennis	Tennis
Track	Track
Rugby, for both boys and girls, runs from December to May	

Co-Curricular Athletics & Activities

Year-Round Activities/Clubs

Band
BSU (Black Student Union)
Ceramics
Cheerleading
Chess Club
Choir
Men's Chorus
Dance Team (Tiger Dance Team)
Fashion Club
FCA (Fellowship of Christian athletes)
FFA (Future Farmers of America)
Gaming Club
GSA (Gender Sexuality Alliance)
Interact (Service Club Affiliated with Rotary)
Key Club (Service Club Affiliated with Kiwanis)
MEChA
MTG (The Magic Club)
National Honor Society
OHSET (Oregon HS Equestrian Team)
Orchestra
Pin Pals (application required)
Pro-Start (Culinary Team)
Robotics
Ski Racing
Speech & Debate
Thespians
Trap Shooting Team
Young Life
Youth & Government

Students who are home schooled may be eligible to participate in co-curricular programs at Newberg High School, providing they meet the necessary requirements. For more information, please contact the athletics and/or activities departments.



The following pages outline our course offerings for 2023-2024. Please read course descriptions carefully (including prerequisites) before completing course requests.

Art

CERAMICS - 1, 2 & 3

NCES: 05159

Grade: 9-12

Semesters: 1

Materials Fee: \$30

Prerequisite: Courses must be taken in sequence.

Course Note: Level 3 class may be repeated for credit with instructor's approval.

Ceramics courses focus on creating three-dimensional works out of clay and ceramic material. Students will create works of art out of clay and will use their hands to create both functional and sculptural ceramic pieces. Ceramics 1 students focus on hand-building techniques. Ceramics 2 students will have an opportunity to learn wheel-throwing basics. Advanced students must be able to research and carry out ideas independently.

DRAWING & PAINTING 1

NCES: 05155

Grade: 9-12

Semesters: 1

Materials Fee: \$30

Course Note: This is an entry level course and is a required course for Drawing and Painting 2. It is also a recommended course for many of the classes in Art. This course may NOT be repeated for credit.

This course will focus on drawing and painting. In keeping with this attention on two-dimensional work, students work with several media (including, but not limited to pen-and-ink, pencil, chalk, watercolor, & tempera). This course provides basic drawing and painting skill required for more advanced art courses. Lessons are designed to be suitable for students with any amount of art experience.

DRAWING & PAINTING 2

NCES: 05155

Grade: 9-12

Semesters: 1

Materials Fee: \$30

Course Note: Courses must be taken in sequence

This course builds on skills developed in drawing and painting 1. In keeping with this attention on two-dimensional work, students work with several media (including, but not limited to watercolor, acrylics, india ink, and charcoal). This course provides basic drawing and painting skill required for more advanced art courses. Lessons are designed to be suitable for students with any amount of art experience.

DRAWING 3

NCES: 05156

Grade: 10-12

Semesters: 1

Materials Fee: \$30

Prerequisite: Drawing & Painting 1/Drawing & Painting 2

Course Note: Courses must be taken in sequence. Level 3 class may be repeated for credit with approval. **Up to 4 PCC Dual Credits are available**

Drawing courses focus on drawing and painting. Students will deepen their understanding of drawing through hands-on practice in this course. A variety of drawing materials including pencil, charcoal, and ink will be studied.

PAINTING 3

NCES: 05157

Grade: 10-12

Semesters: 1

Materials Fee: \$30

Prerequisite: Drawing & Painting 1/Drawing & Painting 2

Course Note: Courses must be taken in sequence. Level 3 class may be repeated for credit with approval.

Students will deepen their understanding of painting through hands-on practice in this course, building on skills developed in level one – strong drawing skills recommended. Different historical and cultural art styles will be explored, along with techniques for applying paint to different surfaces. Students typically work with several media (such as watercolor, tempera, oils, acrylics, and so on).

CALLIGRAPHY

NCES: 05176

Grade: 9-12

Semesters: 1

Materials Fee: \$30

Prerequisite: Drawing & Painting 1 is recommended.

Course Note: This course may NOT be repeated for credit.

This course focuses on Calligraphy. Students will learn basic lettering styles and make books. Students may write their own work in this class or utilize the writing of others to practice their lettering skills.

Art

PHOTOGRAPHY 1

NCES: 05167

Grade: 10-12

Semesters: 1

Materials Fee: \$20

Prerequisite: Drawing & Painting 1 is recommended.

Course Note: Digital photography based

Photography courses expose students to the materials, processes, and artistic techniques of taking photographs. This course is an introduction to photography as an artistic medium which allows students the opportunity to incorporate technology and art. Students will have the chance to enhance, manipulate and combine their own photographs using Adobe Photoshop while learning techniques of what makes a successful photograph.

PHOTOGRAPHY 2

NCES: 05167

Grade: 10-12

Semesters: 1

Materials Fee: \$20

Prerequisite: Photography 1.

Course Note: Digital photography based

Our world is visual. Explore photography as visual communication (photojournalism), as an art form, and as a career. Practice principles and application of studio and natural light in the creation of photographs. Expand knowledge of digital photo manipulation processes via Photoshop. Learn historical implications of photography.



GRAPHIC DESIGN 1 & 2

NCES: 05162

Grade: 10-12

Semesters: 1

Materials Fee: \$20

Prerequisite: Drawing & Painting 1 is recommended.

Course Note: Courses must be taken in sequence. Level 2 class may be repeated for credit with instructor's approval.

Graphic Design is an introductory course where students learn concepts and techniques that Designers use for a career in visual communications, exploring the historical and cultural underpinnings of graphic design. Students learn how to apply the Elements and Principles to the process of creating solutions to graphic design challenges with an emphasis on Icons and Symbols. Students will learn how to work with Adobe Illustrator.

Graphic Design II is a continuation of Graphic Design I, building on the foundations learned with an emphasis on logo design and branding. Students will create digital images used for vinyl printing, web publication, and print. Programs used are Adobe Illustrator, Photoshop, and InDesign.

AP STUDIO ART

NCES: 05172

Grade: 11-12

Semesters: Full Year

Materials Fee: \$30 per semester AP Exam Fee: \$97

Prerequisite: Minimum of 3 other art courses & portfolio review.

Course Notes: Students are expected to submit portfolios for AP Studio Art credit and expected to take AP test. May be repeated for credit with instructor's approval.

This course is designed for students with a serious interest in art. AP Studio Art—General Portfolio courses enable students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the courses typically emphasize quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of the student's art, in drawing, color organization, design, and sculpture. Students in AP Studio art have the opportunity to submit one or more portfolios per year in AP Studio Art 2-D Design, AP Studio Art 3-D Design, or AP Studio Art Drawing.

BUSINESS

CONSUMER ECONOMICS/PERSONAL FINANCE

NCES: 19262
Grade: 10 -12
Semesters: 1

Course Note: This class does not fulfill an NHS social science requirement; **elective credit will be issued.**

Consumer Economics provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. Project based learning, guest speakers, and creating opportunities for students to experience "real world" business interactions will be the highlights of the course.

INTRODUCTION TO BUSINESS

NCES: 12051
Grade: 9 -12
Semesters: 1

This introduction course provides a foundational understanding of a wide range of topics that will aid students in understanding business functions and the world around them. This course will help students to contribute to the improvement of economic citizenship and professional literacy through analysis of the business and economic environment, in which we all live. Project based learning, guest speakers, career explorations, and creating opportunities for students to experience "real world" business interactions will be the highlights of the course.

MARKETING - SPORTS & EVENTS MARKETING

NCES: 12152
Grade: 9-12
Semesters: 1

This introductory marketing course will focus on developing critical thinking, decision making and communication skills in the arena of sports and events. This course stresses the utilization of fundamental marketing skills while working hand in hand with NHS athletic teams and the community. Project based learning, guest speakers, career explorations, and creating opportunities for students to experience "real world" business interactions will be the highlights of the course.

SOCIAL MEDIA MARKETING

NCES: 12167
Grade: 9 -12
Semesters: 1

Instagram, Snapchat, Twitter, Tik Tok, Facebook, what is your social media platform of choice? Social Media Marketing investigates the rise of social media and how marketers integrate social media tools into their overall marketing strategy. Students will learn how to post responsibly, manage a successful social media presence for an organization, how to gain customer buy-in to achieve their marketing goals, and how to properly select the platforms to engage consumers and measure the results of these efforts.



RETAIL MARKETING

NCES: 12161
Grade: 11-12
Semesters: 1

Prerequisite: Introduction to Business, and either Intro to Marketing-Comprehensive/Principles OR Sports and Events Marketing

Course Note: Operating the student store. This class may be repeated for credit with instructor's approval.

Retail Marketing is a hands-on class covering all aspects of running a retail operation through the Newberg High School student store - The Tiger's Den. This course covers principles and concepts related to the provision of goods or services directly to the consumer, emphasizing store operation, advertisement and display of goods, store security, sales, customer relations and human relations.

BUSINESS

ENTREPRENEURSHIP

NCES: 12053

Grade: 10 -12

Semesters: 1

Materials Fee: \$25

Prerequisite: Intro to Business

Have you ever thought of starting and running your own business? Would you like to be your own boss? If so, this class can help you learn how. This entrepreneurship course introduces students to the theory of entrepreneurship and its practical implementation. It focuses on different stages related to the entrepreneurial process, including business model innovation, monetization, small business management as well as strategies that improve performance of new business ventures. Students will develop an understanding of successes, opportunities and risks of entrepreneurship, and develop skills in written business communication and oral presentations that allow students to integrate entrepreneurship concepts and interact within the business community.



MARKETING MANAGEMENT

NCES: 12166

Grade: 11-12

Semesters: 1

Prerequisite: Intro to Business, Intro to Marketing-Comprehensive/Principles OR Sports and Events Marketing, and Retail Marketing. This class may be repeated for credit with instructor's approval.

Marketing Management is a course designed around the operation of the NHS student store; the Tiger's Den. Marketing Management covers purchasing and distribution systems; advertising and sales; and so on but places a particular emphasis on business management and entrepreneurship, providing exposure to common techniques and problems of management.

BUSINESS COMMUNICATIONS

NCES: 12009

Grade: 11 -12

Semesters: 1

Course Note: Good communication and soft skills are essential in today's workplace. Students will have the opportunity to receive the National Career Readiness Certificate (NCRC) from ACT and will include field trips as well as class speakers to enhance this course.

Business Communications courses help students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and real world application.

ELD: ENGLISH LANGUAGE DEVELOPMENT

ENGLISH LANGUAGE DEVELOPMENT 9

NCES: 01008

Grade: 9

Semesters: Full Year

Prerequisite: Instructor/Counselor placement only

English Language Development (ELD) courses are designed for the rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. Language Arts/ELL course is required for all English Language Learners. It has been organized to develop skills in listening, speaking, reading, and writing; all elements of effective communication. Primary focus is on phonetics, vocabulary, and basic sentence format for functional English communication.

ENGLISH LANGUAGE DEVELOPMENT 10

NCES: 01008

Grade: 10

Semesters: Full Year

Prerequisite: Instructor/Counselor placement only

English Language Development (ELD) courses are designed for the rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. Language Arts/ ELL course is required for all English Language Learners. It has been organized to develop skills in listening, speaking, reading, and writing; all elements of effective communication. Primary focus is on phonetics, vocabulary, and basic sentence format for functional English communication.

ENGLISH LANGUAGE DEVELOPMENT 11

NCES: 01008

Grade: 11

Semesters: Full Year

Prerequisite: Instructor/Counselor placement only

English Language Development (ELD) courses are designed for the rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. Language Arts/ELL course is required for all English Language Learners. It has been organized to develop skills in listening, speaking, reading, and writing; all elements of effective communication. Primary focus is on phonetics, vocabulary, and basic sentence format for functional English communication.

ENGLISH LANGUAGE DEVELOPMENT 12

NCES: 01008

Grade: 12

Semesters: Full Year

Prerequisite: Instructor/Counselor placement only

English Language Development (ELD) courses are designed for the rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. Language Arts/ELL course is required for all English Language Learners. It has been organized to develop skills in listening, speaking, reading, and writing; all elements of effective communication. Primary focus is on phonetics, vocabulary, and basic sentence format for functional English communication.

ENGLISH LANGUAGE DEVELOPMENT NEWCOMERS

NCES: 01008

Grade: 9-12

Semesters: Full Year

Prerequisite: Instructor/Counselor placement only

English Language Development (ELD) courses for newcomers are designed for the rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. This course is for students new to the United States in their first 3 years and scoring a 1 or 2 in any Domain on the ELPA assessment. Language Arts/ ELL course is required for all English Language Learners. It has been organized to develop skills in listening, speaking, reading, and writing; all elements of effective communication. Primary focus is on phonetics, vocabulary, and basic sentence format for functional English communication.

FAMILY & CONSUMER SCIENCE

FAMILY LIVING/INTERPERSONAL RELATIONSHIPS

NCES: 19259

Grade: 9-12

Semesters: 1

Course Note: This class is one of three classes taught in the area of Early Childhood Education.

The Family Living Course emphasizes building and maintaining healthy interpersonal relationships among family members and other members of society. The course emphasizes (but is not limited to) topics such as the need for healthy families in society, personal responsibility and responsibility as a parent /wage earner. The course covers family patterns, trends and changes, and how culture, economics and technology can affect families. Additionally the course covers social/dating practices, human sexuality, marriage preparation, parenthood and the function of the family unit through life stages.

CHILD DEVELOPMENT 1 & 2

NCES: 19052

Grade: 9-12

Semesters: 1

Course Note: **Child Development 1 (conception through year one) will be offered during the 2024-2025 school year and Child Development 2 (ages 1-12) will be offered during the 2023-2024 school year.** No sequence requirements.

Child Development 1

Child Development classes provide students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to preschool age, emphasizing the application of this knowledge in child care settings. These courses typically include related topics such as the appropriate care of infants, toddlers, young children and the study of human reproduction. . It will be offered in the 2024-2025 school year.

Child Development 2

Child Development 2 provides knowledge on development from 1 to 12 years of age. It will be offered in the 2023-2024 school year.

CLOTHING/SEWING/DESIGN & FASHION

NCES: 19256

Grade: 9-12

Semesters: 1

Course Note: This class may be repeated for credit.

Clothing/Sewing courses expand students' knowledge of various aspects of wearing apparel, sewing, fashion and design. This course typically includes identifying aspects of style, the impact of design in our culture. Student projects are self-directed, based on individual interests. This class also includes related topics, such as product design, fashion history, the social and psychological aspects of clothing, careers in the design industry, and craft sewing.

FAMILY & CONSUMER SCIENCE

FOOD & NUTRITION – INTRO TO CULINARY

NCES: 19252

Grade: 9-12

Semesters: 1

Materials Fee: \$25

Food & Nutrition is an introductory course required for the Culinary Pathway. It is a hands-on class that includes the basics of food preparation using professional standards while laying a foundation of the nutritional needs and requirements for healthy living. Since students will be working with food most days, this class places a heavy emphasis on learning safety/sanitation and the methods of preparation used in advanced culinary classes. This course also presents various career opportunities in the food service industry.

CULINARY MANAGEMENT 3,4, 5, 6

NCES: 16052

Grade: 10-12

Semesters: 1

Materials Fee: \$25

Prerequisite: Food & Nutrition with C or above, or instructor approval.

Course Note: Class sections 1 & 2 will be offered in 2024-2025. Class sections 3 & 4 will be offered in 2023-2024.. This program requires four semesters for certification. No sequence requirements (course numbers indicate topics, not sequence).

Culinary Mgmt 1 – International Foods; Soups, Stocks & Sauces

Culinary Mgmt 2 – Fruits, Vegetables & Side Dishes

Culinary Mgmt 3 – Breakfasts, Sandwiches, Salads & Garnishes

Culinary Mgmt 4 – Meats & Sweets

Culinary Management are hands-on courses that provide students with knowledge and skills through real-life culinary experiences. Although main topics vary by class, all of these classes include a variety of food preparations and techniques. In addition to working with food, each of these classes will also include opportunities to develop skills needed in business leadership and management.

Culinary Management 5 – Catering Assistant

Culinary Management 6 – Indep. Study – Culinary or Hospitality & Tourism Topics

THE SCIENCE AND ART OF FOOD

NCES: 19254

Grade: 9-12

Semesters: 1

Course Note: The main prerequisites are a curious mind and a love of food.

This class is a classic example of people having the opportunity to "play with their food". In addition to learning how different ingredients work and interact, there will be frequent opportunities to experiment to better understand the basics of baking and cooking. There will be units on how heat affects foods like sugar so that it can create caramels, taffies and Jolly Ranchers. There will be labs to explore how ingredients vary results in recipes. In this class, students should expect lots of hands-on experiments, taste tests, and creative projects. This course is appropriate for all ages and abilities. The main prerequisites are a curious mind and a love of food.

PERSONAL DEVELOPMENT/MFMC/STARS

NCES: 22209

Grade: 11-12

Semesters: 1

Prerequisite: Instructor approval

Course Note: Teacher recommendation for club participation.

Similar to Family Living courses, but more focused on the individual, Personal Development courses emphasize strengthening self-esteem, recognizing and resisting negative peer pressure, and developing coping skills for dealing with changes within one's self and within others. This course may also have a substance-abuse prevention component. The culminating activity is that the students will be trained Teen Leaders for My Future, My Choice program, leading seventh graders both at Mountain View and Chehalem Valley Middle Schools to encourage positive life choices.



HEALTH

HEALTH EDUCATION 1 & 2

NCES: 08051

Grade: 9-12

Semesters: 1

Prerequisite: Courses to be taken in sequence.

Course Note: Curriculum for HIV, AIDS, HBV and HCV taught according to district policy IGAEA Curriculum for Drug, Alcohol and Tobacco Prevention taught according to district policy IGAEB

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues.

Health 1- Topics include families, relationships, human sexuality, alcohol & tobacco, addiction and recovery, health/medical career options.

Health 2- Nutrition, stress management, mental health, violence prevention, first aid/CPR

INDUSTRY & ENGINEERING

INTRODUCTION TO ENGINEERING DESIGN

NCES: 21001

Grade: 9-11

Semesters: Full Year

Materials Fee: \$15

Prerequisite: Algebra 1 is strongly suggested (student may be concurrently enrolled in Algebra 1)

Students engage in pre-engineering activities integrating technology-oriented applications of mathematics and science. Course topics may include computer-aided design, material sciences, technology processes, and career opportunities. Students learn and apply the engineering design process through hand-on projects featuring math, science, and engineering standards. Students engage in open-ended problem solving, learn and apply the engineering design process, and use the same industry-leading technology and software as are used in the world's top companies.

COMPUTER ASSISTED DRAWING (CAD) 1

NCES: 21107

Grade: 9-12

Semesters: 1

Prerequisite: None

Course Note: Cad Design & Software 2 may be repeated for credit. **Up to 3 PCC Dual Credits are available for CAD 1**

Students will use the exact same CAD software as real-world engineers and artists use to create photo realistic Art. The computer graphics that students and engineers create replaces traditional hand drafting. CAD is everywhere in the 21st century and it is used to create everything from TV commercials to NASA rockets. Local home-builders use CAD, along with interior decorators, mechanical engineers, civil engineers, surveyors, and people who make artificial limbs for the medical field. In addition, famous brand sports shoes are designed with CAD (basically every items that is sold in stores) as well as all cars and trucks. Also, CAD is used to create Disney and Pixar movies and all movies that use a green screen use Computer Aided Design for the special effects.

COMPUTER ASSISTED DRAWING (CAD) 2

NCES: 21107

Grade: 10-12

Semesters: 1

Prerequisite: Computer Assisted Drawing 1

The week or longer projects will enable students to develop a skill set that revolves around the application of graphics used for conveying information related to entertainment, design, and manufacturing.

TIGER MANUFACTURING

NCES: 13002

Grade: 11-12

Semesters: Full Year

Prerequisite: Instructor approval; Application required.

Tiger Manufacturing is a student-run enterprise that produces machined metal parts to customers' specifications. The enterprise is supervised by a licensed CTE teacher and community volunteers skilled in machining. Students will learn applied math, metric/imperial conversion and how to read blueprints, estimate costs, price products, produce parts, manage inventory, interact with customers, perform quality control, etc.

ENGINEERING PROCESSES 1

NCES: 21003

Grade: 9-12

Semesters: 1

Prerequisite: Beginning Level Class

This course is a must for those students seeking careers in the following fields: aerospace engineer, automotive engineer, construction engineer, electrical-mechanical engineer, industrial engineer, mechanical engineer, materials engineer, mining engineer, naval engineer, production engineer, systems engineer, helicopter mechanic, and machinist. Course topics include: Computer Assisted Drafting (CAD), Computer Assisted Manufacturing (CAM), electronics, precision measurement, machining part to plus or minus .003 inch and blueprint reading.

INDUSTRY & ENGINEERING

ENGINEERING PROCESSES 2

NCES: 21010

Grade: 10-12

Semesters: 1

Prerequisite: Engineering Processes 1

Course Note: This class may be repeated for credit with instructor's approval. **Up to 6 PCC Dual Credits are available**

The main focus of this class will be building a running engine from scratch. Course topics include: Computer Assisted Drafting (CAD), Computer Assisted Manufacturing (CAM), electronics, precision measurement, machining part to plus or minus .003 inch and blueprint reading.

WOODS 1 & 2

NCES: 17006

Grade: 9-12

Semesters: 1 each

Materials Fee: \$20

Prerequisite: None for Woods 1. Prerequisite for Woods 2 is Woods 1.

In this introductory series of courses, students will learn the basics of woodworking tools, materials, safety protocols and career opportunities. Students will be guided through a series of hands-on projects increasing in difficulty and scope as the semester progresses. Woodshop 2 will pick up with more advanced woodworking methods/techniques and student-led inquiries and projects. The hope is that students will be better prepared to take more advanced courses in the woodshop like Geometry in Construction, Furniture Design and the Integrated Design Studio.

INTEGRATED WOOD DESIGN

NCES: 13053

Grade: 10-12

Semesters: 1

Materials Fee: \$35

Prerequisite: Woods 1, CAD 1

Woodshop is evolving. The industry is moving toward high tech manufacturing integrating with classic woodworking skills. Combine the skills from Woods 1 and CAD 1 to make innovative wood creations for the modern marketplace.

INTEGRATED DESIGN STUDIO

NCES: 17002

Grades: 11-12

Semesters: Full Year

Materials Fee: \$20

Course Note: This class is a CTE/elective.

IDS will see students take their design skills even further. In this class, students should come in already having CAD and Makerspace. Students will take on bigger projects with more freedom utilizing all the tools and software they learned how to use in previous courses. This includes 3D printing, lasers, UV printer, resin printers, and any other Makerspace equipment. Students will take on larger more individual design projects.

MAKERSPACE

NCES: 21007

Grade: 9-12

Semesters: 1

Prerequisite: Computer Assisted Drawing 1

Lab Fee: \$20

This class will serve as an introduction to hands-on making and our CTE course offerings, as well as serving as a hub to extend class projects and all CTE elective courses. Students will be presented with a problem and then design a solution to put into action. After creating a solution, students will take the time to reflect on the end results. Student course work includes learning the basics of Computer-Aided Design and 3D printing in different materials. For a culminating experience in the course, students will partner with an outside organization to help design a tangible solution to a real-world problem.

INFORMATION TECHNOLOGY

EXPLORING COMPUTER SCIENCE (ECS): Computer Science for All

NCES: 10160
Grade: 9-10
Semesters: Full Year
Prerequisite: None
Lab Fee: \$10

Course Note: **Class can be taken as a semester class (part A or B). Does not have to be taken in sequential order.**

This class is for any student who wants to explore STEM topics; no computer skills required. Exploring Computer Science is supported by the Broadening Participation in Computing division of the National Science Foundation (Into the Loop) and is focused on diversifying classrooms and engaging historically underrepresented students in computer science. There will be a focus on how Computer science is broad, including concepts such as how computing systems work, how data is stored, processed and analyzed, what problems can and cannot be solved using computing devices, how to develop processes to solve problems computationally, and how computing impacts society (It's not just about programming).

ROBOTICS

NCES: 21009
Grade: 10-12
Semesters: 1
Prerequisite: Successful completion of Algebra 1 (C or higher)
Lab fee: \$10

Robotics allows students to develop skills and knowledge so that they can design, build, and test robotic devices. Through hands-on activities found within the VEX robotics platform fundamental aspects of robotics programming, computer coding, construction, and application are incorporated. Students will participate in sport-like game competitions against their peers in class and challenging other schools through the Vex Robotics Competition.

MOBILE APP DEVELOPMENT

NCES: 10206
Grade: 10-12
Semesters: 1
Prerequisite: Exploring Computer Science or AP Computer Science Principles
Lab fee: \$10

In this class, students will learn to build their own mobile applications (mobile apps). These mobile apps will be created using Reactive Native, a popular framework developed by Facebook. Since React Native is a JavaScript library, previous experience using JavaScript is required. As an online blended class, students will design, build, and iterate applications that can run on smartphones.

AP COMPUTER SCIENCE PRINCIPLES: Games, Apps and Web Design

NCES: 10152
Grade: 10-12
Semesters: Full Year
AP Exam Fee: \$94
Prerequisite: Algebra 1 recommended but not required
Lab Fee: \$10/Willamette Promise \$30

Course Note: **Students are expected to take AP test. 4 WOU credits available.**

This is a beginning level AP Course. Students design games, Android/iOS apps, and web sites using Python, Javascript, and PHP as primary tools and incorporating multiple platforms and languages for computation. This course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation.

LANGUAGE ARTS

ENGLISH/LANGUAGE ARTS 1 (9TH GRADE)

NCES: 01001 **NCAA APPROVED COURSE**

Grade: 9

Semesters: Full Year

English/Language Arts 1 (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

ENGLISH/LANGUAGE ARTS 2 (10TH GRADE)

NCES: 01002 **NCAA APPROVED COURSE**

Grade: 10

Semesters: Full Year

English/Language Arts 2 (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the purpose and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students will improve their reading rate and comprehension, as well as develop skills to determine author intent and theme, including identification & analysis of various literary techniques.

ENGLISH/LANGUAGE ARTS 2/ACCELERATED (10TH GRADE)

NCES: 01002 **NCAA APPROVED COURSE**

Grade: 10

Semesters: Full Year

Course Note: This is a more advanced course of English/Language Arts 2 with reading and writing of increased sophistication and complexity.

English/Language Arts 2 (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the purpose and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students will improve their reading rate and comprehension as well as develop the skills to determine author intent and theme, including identification & analysis of various literary techniques.

ENGLISH/LANGUAGE ARTS 3 (11TH GRADE)

NCES: 01003 **NCAA APPROVED COURSE**

Grade: 11

Semesters: Full Year

English/Language Arts 3 (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

ENGLISH/LANGUAGE ARTS 4 (12TH GRADE)

NCES: 01004 **NCAA APPROVED COURSE**

Grade: 12

Semesters: Full Year

Throughout the year, students will read a wide variety of literature, as well as investigate the authors, the history, and the cultures that shaped each work. The goal of this course is threefold: to expand your reading skills (improve reading speed, increase comprehension, and enhance vocabulary), improve your writing skills (grammar, clarity, and composing and editing essays), and hone your public speaking skills (formal presentations and discussions), all of which will help prepare you to succeed in your future college or career goals. Students will be reading a broad variety of literature, plays, novels, and poetry with the earnest hope that these stories will not only contribute to the class goals but will also foster a joy of reading. Extended application may be supported.

ENGLISH/LANGUAGE ARTS 4 – WRITING 121

NCES: 01103 **NCAA APPROVED COURSE**

Grade: 12

Semesters: Full Year

Fee: Willamette Promise \$30

Course Note: **4 WOU credits available.**

This course focuses on growth in and mastery of the reading, writing and speaking skills necessary for lifelong confidence in any communication situation. The Writing 121 curriculum focuses on rhetorical reading, thinking and writing as means of inquiry; emphasis on rhetorical concepts, collaborative writing processes, research and documentation skills as well as attention to the constraints of audience, purpose, genre, and discourse community. Students will build a portfolio of representative writing work as part of the Writing 121 process. Support for the extended application will be provided in class.

LANGUAGE ARTS

AP ENGLISH LANGUAGE & COMPOSITION

NCES: 01005 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

AP Exam Fee: \$97

Course Note: College level coursework; summer reading assignments TBA; Students are expected to take AP test.

Approved advanced course for Honors Diploma.

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand. Students learn to develop stylistic flexibility as they write compositions covering a variety of subjects for various purposes. Texts covered in this course are primarily non-fiction.

AP ENGLISH LITERATURE & COMPOSITION

NCES: 01006 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

AP Exam Fee: \$97

Course Note: College level coursework; summer reading assignments TBA; Students are expected to take AP test.

Approved advanced course for Honors Diploma.

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing).

LITERATURE OF AN AUTHOR/SHAKESPEARE 1 & 2

NCES: 01060 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

Course Note: College level coursework; summer reading assignments TBA. **Approved advanced course for Honors Diploma.**

The Literature of an Author 1 & 2 classes are largely project-based and require students to do several presentations, participate effectively in discussions, collaborate well with peers, think creatively to solve authentic problems, and examine dramatic works through a theatre-oriented lens. Students will also be expected to develop their critical reading skills and do reflective, analytical, and creative writing. Class time will be split between work on the spring Shakespeare play (both classes together) and study of Shakespeare's works in separate classes. Both levels are honors courses and are taught at a rigor appropriate for that classification. Summer homework is required.

SPORTS LITERATURE & COMPOSITION

NCES: 01065

Grade: 11-12

Semesters: Full Year

This course has the same aim as general literature courses (to improve students' language arts and critical-thinking skills). Students in Sport Literature and Composition will use language to explore complex issues facing the sports world, as well as reflect on, analyze, and celebrate the role athletics plays in the lives of individuals and our society. Course texts will cover a wide range of sports and viewpoints from diverse voices. Text selections will include informational text, poetry, biographies, film, and commentary. Writing in this course will include argument, informative, and narrative pieces. Standards for this course would meet requirements for English credit.

LANGUAGE ARTS LABORATORY/ (M) LA LAB

NCES: 01009

Grade: 9-12

Semesters: Full Year

Prerequisite: Case Manager/Counselor placement only

Language Arts Laboratory courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities.

LANGUAGE ARTS

TUTORIAL/ LA ESSENTIAL SKILLS 11/12

NCES: 22005

Grade: 11-12

Semesters: 1

Prerequisite: Instructor/Counselor placement only

Course Note: This class may be repeated for credit with instructor's approval. This class does not fulfill an NHS language arts requirement; **elective credit of either pass or fail will be issued.**

Language Arts Lab provides instruction in basic language skills, integrating reading and writing while placing emphasis on the progress of individuals in order to meet essential skills in reading and writing. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar while developing writing and composition skills.

JOURNALISM/YEARBOOK

NCES: 11101

Grade: 10-12

Semesters: Full Year

Prerequisite: Instructor consent

Course Note: Students will be expected to attend school events if their assignment requires them to do so. This class may be repeated for credit with instructor's approval. **This class does not fulfill an NHS language arts requirement; elective credit will be issued.**

Publication Production courses provide students with the knowledge and skills necessary to produce the school yearbook. Students either gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

DUAL LANGUAGE SPANISH/LANGUAGE ARTS 1

NCES: 24060 NCAA APPROVED COURSE

Grade 9

Semesters: Full Year

Prerequisite: Must have completed Grades K-8 in a Spanish Dual Language Program or be a newcomer to the United States from a Spanish speaking country. **Must also enroll in Dual Language English Language Arts 1.**

Spanish Language Arts 1 (9th grade) courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Spanish. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Hispanic cultures into literature, and exploring interdisciplinary connections.

DUAL LANGUAGE ENGLISH/LANGUAGE ARTS 1

NCES: 01001 NCAA APPROVED COURSE

Grade: 9

Semesters: Full Year

Prerequisite: Must have completed Grades K-8 in a Spanish Dual Language Program or be a newcomer to the United States from a Spanish speaking country. **Must also enroll in Dual Language Spanish Language Arts 1.**

English/Language Arts 1 (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

DUAL LANGUAGE SPANISH/LANGUAGE ARTS 2

NCES: 24060 NCAA APPROVED COURSE

Grade 10

Semesters: Full Year

Prerequisite: DUAL LANGUAGE SPANISH/LANGUAGE ARTS 1
Must also enroll in Dual Language English Language Arts 2.

Spanish Language Arts 2 (10th grade) courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, opinions, and ideas drawn from literature written in Spanish. Emphasis is typically placed on critical and analytical reading and writing, understanding the integration of Hispanic cultures into literature, and exploring interdisciplinary connections.

DUAL LANGUAGE ENGLISH/LANGUAGE ARTS 2

NCES: 01002 NCAA APPROVED COURSE

Grade: 10

Semesters: Full Year

Prerequisite: DUAL LANGUAGE ENGLISH/LANGUAGE ARTS 1.
Must also enroll in Dual Language Spanish Language Arts 2.

English/Language Arts 2 (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the purpose and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students will improve their reading rate and comprehension, as well as develop skills to determine author intent and theme, including identification & analysis of various literary techniques.

MATHEMATICS

INFORMAL MATH / (M) INFORMAL MATH

NCES: 02001

Grade: 9-12

Semesters: Full Year

Prerequisite: Case Manager/Counselor placement only

Informal Mathematics courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and highlight the connections among mathematical topics and between mathematics and other disciplines. These courses approach the teaching of general math, pre-algebra, and pre-geometry topics by applying numbers, and algebraic and geometric concepts and relationships to real world problems.

GENERAL MATH

NCES: 02002

Grade: 9

Semesters: Full Year

Prerequisite: Instructor/Counselor placement only

Course Note: This class does not fulfill an NHS math requirement; **elective credit will be issued.**

General Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using integers, area, perimeter, and volume of geometric figures, angle relationships, the Pythagorean theorem, the rectangular coordinate system, ratios, percentages and proportion, simple probability, solving and graphing equations and inequalities.

ALGEBRA 1

NCES: 02052 **NCAA APPROVED COURSE**

Grade: 9-12

Semesters: Full Year

The objective of this course is to build upon, process, and apply fundamental skills of mathematics as aligned to the Oregon Common Core State Mathematics Standards: Structure in Expressions, Create Equations, Linear Functions, Inequalities, Quadratic Functions, Probability and Statistics. Students will make connections between algebraic relationships through investigation, discovery, direct instruction, and technology.

GEOMETRY

NCES: 02072 **NCAA APPROVED COURSE**

Grade: 9-12

Semesters: Full Year

Prerequisite: Successful completion of 1.0 credit in Algebra 1.

The objective of this course is to build upon, process, and apply fundamental skills of mathematics as aligned to the Oregon Common Core State Mathematics Standards: Congruence, Similarity, Right Triangles, Trigonometry, Circles, Geometric Properties with Equations, Measurement & Dimensions, and Mathematical Practices. In addition there will be a strong component of Algebraic problem/equation solving. Students will make connections between geometric relationships through investigation, discovery, direct instruction, and technology.

GEOMETRY IN CONSTRUCTION

NCES: 17049

Grade: 10-11

Semesters: Full Year

Materials Fee: \$20

Prerequisite: Algebra 1

This integrated geometry & construction course is taught in the context of construction. The concepts within the course are organized to complement the skills and the knowledge needed in the building process starting with foundational concepts. The students in this course will have math days as well as build days. On the build days, the students will be working together to build a tiny house, shed or assist with a Habitat for Humanity house. This course will provide students the opportunity to immediately apply what they are learning in the classroom to what they are doing on the build site. Students will receive two credits for this year-long course; one elective credit, one math credit.

INTEGRATED MATH

NCES: 02061

Grade: 11-12

Semesters: Full Year

Prerequisite: A minimum of 1.5 credits earned in Algebra 1 and Geometry

This Integrated Math courses emphasizes problem solving, communication, and reasoning, and making connections between mathematics and other disciplines. This class applies Algebraic, Geometric, and Statistical knowledge and skills to real world business and personal finance situations. This class is for students that need additional support to prepare for Algebra 2.

MATHEMATICS

ALGEBRA 2

NCES: 02056 **NCAA APPROVED COURSE**

Grade: 9-12

Semesters: Full Year

Prerequisite: At least 1.5 credits earned in Algebra 1 and Geometry with a C or better in each semester, or successful completion of Integrated Math

Algebra 2 is a college preparatory course. The objective of this course is to build upon, process, and apply fundamental skills of mathematics as aligned to the Oregon Common Core State Mathematics Standards. Students will be able to demonstrate knowledge and skills of the Common Core State Standards for Algebra 2 which are: Linear, Quadratic, Polynomial, Radical, Advanced (exponential, logarithmic, rational), and Trigonometric relations and functions as well as the student of Discrete Mathematics (sequences and series, statistics and probability) and Mathematical Practices.

TRIGONOMETRY

NCES: 02105 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

Prerequisite: Algebra 2 and Instructor signature/ approval

Course Note: Placement by teacher only.

Covering topics of both Trigonometry, these courses prepare students for eventual work in calculus. Topics include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

PRE-CALCULUS

NCES: 02110 **NCAA APPROVED COURSE**

Grade: 9-12

Semesters: Full Year

Prerequisite: Algebra 2 with an A or B in each semester; Trigonometry or instructor consent; PCC placement test score for MTH111.

Course Note: **Approved advanced course for Honors Diploma. Up to 4 WOU Dual Credits are available.**

Semester 1: Explores relations and functions graphically, numerically, symbolically and verbally. Examines exponential, logarithmic, polynomial, and rational functions. Investigates applications from a variety of perspectives.

Semester 2: Investigates trigonometric functions, equations and identities. Examines right and oblique triangles, vectors, polar coordinates, parametric equations and complex numbers. Explores topics graphically, numerically, symbolically, and verbally.

AP STATISTICS

NCES: 02203 **NCAA APPROVED COURSE**

Semesters: Full Year

Grade: 11-12

Prerequisite: Algebra 2

Materials Fee: \$10 and Graphing Calculator TI-83 or TI-84 required

AP Exam Fee: \$97

Course Note: Students are expected to take AP test. **Approved advanced course for Honors Diploma.**

Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

MATHEMATICS

AP CALCULUS AB

NCES: 02124 **NCAA APPROVED COURSE**

Grade: 9 -12

Semesters: Full Year

AP Exam Fee: \$97

Class Note: **Approved advanced course for Honors Diploma.** Students are expected to take AP test. **Up to 9 PCC Dual Credits are available**

Following the College Board's suggested curriculum designed to parallel college-level calculus course, the AP Calculus AB courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of Pre-Calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis). In AP Calculus AB, students will learn to understand and model the mathematics of change, as it relates to instantaneous rates of change and areas under curves. The two central concepts that comprise this course are the derivative and the integral. Students will learn various techniques for constructing both. The course will explore a vast array of applications, using a wide variety of technological tools for discovery where critical thinking skills are both developed and challenged. Standards and outcomes that will be investigated: Reasoning with definitions and theorems, connecting concepts, implementing algebraic/ computational processes, connecting multiple representations, building notational fluency, communicating.

TUTORIAL/MATH ESSENTIAL SKILLS

NCES: 22005

Grade: 9-12

Semesters: 1

Prerequisite: Instructor/Counselor placement only

Course Note: This class does not fulfill an NHS math requirement; **elective credit of either Pass or Fail will be issued.** The focus of this class is to provide additional support and opportunities for students to meet their Math Essential Skills requirement, by passing work samples.

Essential Skills Math Lab provides instruction in basic math fundamentals, while placing great emphasis on the progress of individual students. Course content will include the three fundamental math areas that are covered in the Work Samples: Algebra, Geometry & Statistics. The focus of this class is to provide additional support and opportunities for students to meet their Math Essential Skills requirements, by passing work samples.

NATURAL RESOURCE SCIENCES

AGRICULTURAL LEADERSHIP

NCES: 18203

Grade: 11-12

Semesters: Full Year

Course Note: This course is focused towards students interested in FFA.

Agricultural Leadership courses help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities.

INTRO TO AGRICULTURE

NCES: 18001

Grade: 9-12

Semesters: 1

Introduction to Agriculture courses survey a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). These courses serve to introduce students to the agriculture field, providing opportunities to identify an area for continued study. They often focus on developing communication skills, business principles, and leadership skills.

AG NATURAL RESOURCES

NCES: 18003

Grade: 10-12

Semesters: 1

Course Note: Class sections will be offered every other year.

This is a hands-on project-based learning environment in which students work on real world local environmental issues. There are 4 units of study in this class: Aquatic Ecology, Forest Ecology, Soil and Land use, and Wildlife Ecology. Students use Professional standard tools of measurement - along with standard Survey/Data collection forms - to determine the quality of the environment.

Students look at local environmental issues and determine what baseline data needs to be collected with what survey methods. Students then collect and analyze data and determine a plan of action to address the particular issue.

GENERAL HORTICULTURE

NCES: 18052

Grade: 9-12

Semesters: 1 (1st semester only)

Course Note: This course satisfies .5 NHS science credit. **Up to 4 PCC Dual Credits are available**

General Horticulture courses expose students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, interior and exterior plantscaping, irrigation systems, weed and pest control.

ORNAMENTAL HORTICULTURE

NCES: 18053

Grade: 9-12

Semesters: 1 (2nd semester only)

Prerequisite: General Horticulture

Course Note: This course satisfies .5 NHS science credit. This class may be repeated for elective credit with instructor's approval. **Up to 3 PCC Dual Credits are available**

Similar to General Horticulture, Ornamental Horticulture courses provide information regarding the care and propagation of plants, flowers, trees, and shrubs, but place a special emphasis on those used for decorative and aesthetic purposes. Because of this particular emphasis, Ornamental Horticulture courses usually concentrate on nurseries and learning multiple techniques of grafting of woody plants.

COMPANION ANIMAL SCIENCE

NCES: 18102

Grade: 9-12

Semesters: 1

Course Note: This class does not fulfill an NHS science requirement; **elective credit will be issued.**

This course examines specific topics related to companion or small animal care, systems and management, such as training animals and identifying animal behaviors. Species include: birds, cavies, rabbits, dogs, cats, bees, reptiles and exotic small animals.

Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study.

NATURAL RESOURCE SCIENCES

LIVESTOCK ANIMAL SCIENCE

NCES: 18103

Grade: 9-12

Semesters: 1

Course Note: This class does not fulfill an NHS science requirement; **elective credit will be issued.**

This course examines specific topics related to livestock or large animal care and management, production, or processing, such as equine training or animal waste management. Species include: horses, cattle, swine, sheep and goats, and other large animals.

Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study.

VETERINARY SCIENCE

NCES: 18105

Grade: 10 -12

Semesters: 1

Prerequisite: Companion Animal Science & Livestock Animal Science

Course Note: This class does not fulfill an NHS science requirement; **elective credit will be issued.** Class sections will be offered every other year.

This course imparts information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic and farm animals. Course topics focus on anatomy and physiology, nutrition, behavior, and reproduction, but may also include other areas of study as appropriate.

AG BUSINESS MANAGEMENT

NCES: 18201

Grade: 10-12

Semesters: 1

Agribusiness management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agriculture industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agriculture industry.

WELDING 1, 2 & 3

NCES: 13208

Grade: 9-12

Semesters: 1

Materials Fee: \$20

Prerequisite: Courses must be taken in sequence. Welding 3 requires instructor approval.

In these courses students gain knowledge and skills in particular aspects of welding. Examples include the following types of welding: gas metal, gas tungsten, and shielded metal and flux core arc welding.

WELDING 4

NCES: 13248

Grade: 11-12

Semesters: Full Year

Materials Fee: \$20

Prerequisite: Welding 1,2,3 & Instructor approval

Welding 4 is a class where students will be provided with hands-on opportunities to work with a local company in an internship format. Students will be allowed to develop an understanding of workplace expectations, create opportunities for post-high school employment and refine their welding skills using the state of the art industrial equipment. This class would become the capstone of the emerging welding pathway.

OTHER PROGRAMS

CAREER INTERNSHIP

NCES: 22151

Grade: 11-12

Semesters: 1, Counselor/Career Center Coordinator placement only. May be repeated for credit.

Course Note: Pass/No Pass; Application Process, must have own transportation. 130 hours required for credit.

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. Internships opportunities may be either paid or unpaid and give students part time employment skills in a workplace setting. In addition to employment training at the work site, students are required to participate in activities at school that support workplace education.

EDUCATION-OTHER/TUTOR

NCES: 19199

Grade: 10-12

Semesters: 1

Prerequisite: Instructor's signature/approval

Course Note: Students receive an A-F grade; Examples of tutors include Life Skills, Core Classes, PE Student Leader and core type classes. This class may be repeated for credit with instructor's approval.

Students receive the opportunity to support others in one of many student assistance programs.

EDUCATION - WORKPLACE EXPERIENCE (CADET TEACHING)

NCES: 22151

Grade: 11-12

Semesters: 1

Prerequisite: Counselor/School to Business Coordinator placement only; **must have own transportation.**

Course Note: Pass/No Pass; This class may be repeated for credit with instructor's approval.

Education—Workplace Experience courses provide students with work experience in fields related to education. Goals are set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

MISCELLANEOUS - WORKPLACE EXPERIENCE (WORK STUDY)

NCES: Dependent upon Career Pathway

Grade: 11-12

Semesters: 1

Prerequisite: Counselor placement

Course Note: Pass/No Pass. 130 hours required for credit. Maximum credit per semester = 1.0. Maximum credits over high school career = 3.0.

Workplace Experience courses provide students with work experience in a field related to their interests. Goals are set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

LEADERSHIP

NCES: 22101

Grade: 9-12

Semesters: 1

Prerequisite: Activities Director Approval and application process.

Course Note: This class may be repeated for credit with instructor's approval.

This course is designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.



OTHER PROGRAMS

NHS ONLINE CREDIT RECOVERY

NCES: 22051

Grade: 10-12

Semesters: 1 (can be repeated)

Prerequisite: Counselor Placement

Course Note: No credit for the class; students earn credits for the online courses completed

This class is designed for students who have failed a required course and need a credit recovery opportunity to make up the failed course for graduation. FuelEd is the online platform used for credit recovery.

To be eligible for a credit recovery course, students must have maintained at least 60% attendance in the failed classroom course and reached a grade threshold of at least 40%. The completed credit recovery course grade will be transcribed as a "C" and the failed grade, if taken at NHS, will be changed from F to NC (no credit).

OFFICE AIDE/OFFICE

NCES: 22051

Grade: 11-12

Semesters: 1

Prerequisite: Staff signature/approval

Course Note: Pass/No Pass; Examples of an office aide include Career Center, Main Office, Kitchen, Library, Counseling and Attendance. This class may be repeated for credit with staff's approval.

This course provides students with the opportunity to work in campus offices, developing skills related to clerical office work. Duties may include, typing, filing, record-keeping, greeting visitors, and answering phones.

OFFICE AIDE/TEACHER

NCES: 22051

Grade: 11-12

Semesters: 1

Prerequisite: Instructor's signature/approval

Course Note: Pass/No Pass; This class may be repeated for credit with instructor's approval.

This course provides students with the opportunity to work in campus offices, developing skills related to clerical office work. Duties may include, among others, typing, filing, record keeping, receiving visitors, and answering the telephone.



PERFORMING ARTS

MIXED CHORUS

NCES: 05110

Grade: 9-12

Semesters: Full Year

Fee: Uniform Fee up to \$60 (Financial assistance available based on need.)

Prerequisite: No experience necessary

Course Note: **Level 1.** Public performances expected. Class may be repeated for credit with instructor's consent.

Mixed Chorus teaches students to develop their voices for singing all musical styles. All voices can be trained to sing, so this choir class focuses on building confidence and developing lifelong vocal skills and is perfect for anyone who wants to learn how to share their voice.

Learning targets include how to sing with good tone and healthy technique, expand the singing range, read music, work as a team, and appreciate music from different time periods and from all over the world.

MUSIC THEORY

NCES: 05113

Grade: 9-12

Semesters: 1

Prerequisite: None

Course Note: **Level 1**

Students focus on developing aural and visual skills for music analysis, melodic and harmonic dictation and sight singing. Students work on harmonic, form analysis and compositional skills.



SYMPHONIC CHOIR

NCES: 05110

Grade: 10-12 (9th Grade by special permission)

Semesters: Full Year

Fee: Uniform Fee up to \$60 (Financial assistance available based on need.)

Prerequisite: Audition required, OSAA academic eligibility enforced

Course Note: **Level 2.** Public and festival performances expected. Class may be repeated for credit with instructor's consent.

Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts. This OSAA-sanctioned choir represents Newberg at Pacific Conference and OSAA events, State and area competitions throughout the year. Learning targets cover advanced tone production, diction, languages, expansion of the singing range, working as a team and the examination and appreciation of important historical masterworks.

VOCALPOINT

NCES: 05111

Grades: 10-12

Semesters: Full Year

Fee: Uniform Fee up to \$60 (Financial assistance available based on need.)

Prerequisite: Audition with Choir Director and concurrent membership in Symphonic Choir

Course Note: **Level 3.** Public and festival performances expected. Class may be repeated for credit with instructor's consent. Students purchase either a black tea-length dress or a tuxedo vest ensemble."

This advanced vocal ensemble is our premiere vocal ensemble singing chamber choir music, vocal jazz, world music and musical theater. Learning targets cover advanced vocal techniques, vocal styling and working as a team.

PERFORMING ARTS

CONCERT BAND

NCES: 05102

Grade: 9-12

Semesters: Full Year

Fee: Uniform Fee up to \$60 (Financial assistance available based on need.)

Prerequisite: Instructor Consent, 1 year of previous band experience recommended

Course Note: **Level 1**; Public performances are expected. May be repeated for credit.

Open to any student with previous musical experience or a desire to learn to play on a woodwind, brass or percussion instrument, Concert Band provides an opportunity to develop musicianship skills through exposure to a variety of musical styles. Students perform at four concerts and one festival outside of school.

SYMPHONIC BAND

NCES: 05102

Grade: 10-12

Semesters: Full Year

Fee: Uniform Fee up to \$60 (Financial assistance available based on need.)

Prerequisite: Concert Band or Instructor consent

Course Note: **Level 2**; Public performances are expected. May be repeated with Instructor consent

Courses in concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances. Open to students who have completed Concert Band, Symphonic Band provides an opportunity to further develop musicianship skills through exposure to a variety of musical styles while preparing students for Wind Ensemble. Students perform at four concerts and one festival outside of school.

GUITAR

NCES: 05108

Grade: 9-12

Semesters: 1

Materials Fee: \$15

Course Note: May be repeated for credit.

Guitar courses introduce students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. These courses may also include more advanced guitar-playing techniques.

WIND ENSEMBLE

NCES: 05102

Grade: 10-12

Semesters: Full Year

Fee: Uniform Fee up to \$60 (Financial assistance available based on need.)

Prerequisite: Audition Required, OSAA Academic Eligibility Enforced

Course Note: **Level 3**; Public performances are expected. May be repeated with Instructor consent

Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances. This audition only group represents the top level of our band program and represents NHS at OSAA events while giving students the opportunity to perform at the highest musical level. Students perform at approximately 7 concerts and up to four festivals outside of school.

JAZZ BAND

NCES: 05105

Grade: 9-12

Semesters: Full Year

Fee: Uniform Fee up to \$60 (Financial assistance available based on need.)

Course Note: **Level 1**, Public Performances are Expected, May be repeated with Instructor consent. Concurrent membership in a concert band required.

Contemporary Band courses help students develop their techniques for playing brass, woodwind, percussion, and string instruments, as well as guitars and keyboards, focusing primarily on contemporary stage band literature styles, such as traditional jazz, jazz improvisation, and rock. Open to any student with previous musical experience on a woodwind, brass or percussion instrument and currently enrolled in a concert band, concert choir or orchestra, jazz band provides an opportunity to develop musicianship and improvisation skills through exposure to a variety of contemporary musical styles. Students perform at multiple concerts and one festival outside of school.

PERFORMING ARTS

JAZZ ENSEMBLE

NCES: 05105

Grade: 10-12

Semesters: Full Year

Fee: Uniform Fee up to \$60 (Financial assistance available based on need.)

Prerequisite: Audition Required

Course Note: **Level 2**; Concurrent membership in a concert band required. Public performances are expected. Course may be repeated for credit.

Contemporary Band courses help students develop their techniques for playing brass, woodwind, percussion, and string instruments, as well as guitars and keyboards, focusing primarily on contemporary stage band literature styles, such as traditional jazz, jazz improvisation, and rock. This audition only group represents the top level of our jazz program and represents NHS at league and state festivals while providing the opportunity to further develop improvisation skills through exposure to a variety of contemporary musical styles. Students perform at approximately 8 concerts and up to four festivals outside of school.

ORCHESTRA

NCES: 05104

Grade: 9-12

Semesters: Full Year

Fee: Uniform Fee up to \$60 (Financial assistance available based on need.)

Prerequisite: Audition or instructor consent

Course Note: Public performances are expected. This course may be repeated for credit.

Orchestra courses are designed to develop students' abilities to play string instruments, covering a variety of string and orchestral literature styles. As part of this course, students will participate in at least four concerts outside of the school day and at least one OSAA sanctioned competition.

In the event that a second level of Orchestra is offered (Chamber Orchestra), an audition for level 2 will be required.

CHAMBER ORCHESTRA

NCES: 05104

Grade: 9-12

Semesters: Full Year

Fee: Uniform Fee up to \$60 (Financial assistance available based on need.)

Course Note: **Level 2**; Public performances are expected. May be repeated for credit.

Chamber orchestra is an upper-level music course in which students study music from multiple time periods, genres, and cultures by playing a variety of string literature. Students in this class will be expected to complete outside performances and attend league competitions. Entry into this course requires an audition with the orchestra teacher.

PERCUSSION ENSEMBLE

NCES: 05106

Grade: 9-12

Semesters: Full Year

Materials Fee: \$15

Course Note: Public performances are expected. This course may be repeated for credit.

Instrumental Ensemble courses are intended to develop students' technique for playing brass, woodwind, percussion, and/or string instruments in small ensemble groups. Instrumental Ensemble courses cover one or more instrumental ensemble or band literature styles. Open to any student interested in playing a percussion instrument, percussion ensemble provides an opportunity to learn music reading skills and drum technique through performance at football games. Students perform at up to five football games and one concert in the fall.

PERFORMING ARTS

INTRODUCTION TO THEATER

NCES: 05051

Grade: 9-12

Semesters: 1

Introduction to Theater courses provide an overview of the art, conventions, and history of the theater. Although the courses sometimes include experiential exercises, they emphasize learning about the theater along with performance. Students learn about one or more of the following topics: basic techniques in acting, major developments in dramatic literature, major playwrights, the formation of theater as a cultural tradition, and critical appreciation of the art.

DRAMA - ACTING/PERFORMANCE

NCES: 05055

Grade: 9-12

Semesters: 1

Prerequisite: Introduction to Theater, Stage Movement or instructor consent.

Drama - Acting/Performance courses are intended to promote students' experience and skill development in one or more aspects of theatrical production, but they concentrate on acting and performance skills. Initial courses are usually introductory in nature, while the more advanced courses focus on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions.

STAGE MOVEMENT

NCES: 05003

Grade: 9-12

Semesters: 1

Prerequisite: Introduction to Theater

Stage Movement courses help develop students' ability to incorporate movements of the stage, focusing on character identity and movement, pantomime, stage combat, relaxation and breathing techniques.

MUSICAL THEATER

NCES: 05060

Grade: 11-12

Semesters: 1

Prerequisite: Introduction to Theater & Stage Movement

Fee: \$20

During this class the students will be exposed to different types, ages and genres of musical theater as well as performing for end of the year events. Class would be made up of individual and group work studying musicals, directors and choreographers. Projects would be for class as well as end of semester public performance. Projects would be collaboratively worked on between actors, technicians and adult staff. Study topics would include music, history of musicals, styles of musicals, research of prominent musical theater directors and writers as well as choreography and performance techniques. Opportunity for producing a small cast musical as part of the class is a definite possibility.

STAGECRAFT 1 & 2

NCES: 05056

Grade: 9-12

Semesters: 1

Materials Fee: \$25

Prerequisite: Courses must be taken in sequence.

Course Note: Level 2 class may be repeated for credit with instructor's approval.

Drama - Stagecraft courses are intended to help students develop experience and skill in one or more aspects of theatrical production, but concentrate on stagecraft (such as lighting, costuming, set construction, makeup, stage management, and so on). Initial courses are usually introductory in nature, while more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

PERFORMING ARTS

STAGECRAFT 3

NCES: 05056

Grade: 10-12

Semesters: 1

Materials Fee: \$25

Prerequisite: Stagecraft 1&2

Stagecraft 3 is an upper level design based course. Students will use the skills they learned in Stagecraft 1 and 2 as a basis for learning design techniques in Lighting, Sound, Scenic, Costumes and Make-up. The class will meet during Stagecraft 1 during 1st semester (and/or 2 second semester if needed) and the students will be called on to mentor some younger students in that class. This class content gives the students the ability to move forward in a college setting or public theater arena with a basic knowledge of design in all the disciplines.

AUDIO/VISUAL PRODUCTION

NCES: 11051

Grade: 10-12

Semesters: Full year

Materials Fee: \$25

Prerequisite: None

Audio/Visual Production focuses on the techniques needed to create quality video programs that can be used to promote, enhance and identify programs at NHS. Steps would include ideation of concept, creation and communication of documentation (storyboard, shot lists, script text, editing parameters), communication with clubs/activities/sports, live video creation, editing live video, adding appropriate text and graphics, and publishing for public use.

Students in this class will learn how to work individually as well as collaboratively. Students will also need to be able to work independently with technical equipment as well as attend outside of school events and programs for videoing purposes.

AUDIO/VISUAL PRODUCTION 2

NCES: 11056

Grade: 11-12

Semesters: Full Year

Prerequisite: Audio/Visual Production 1

Course Fee: \$25

A/V Production 2 will focus on aerial videography and Career paths for A/V technicians. Semester 1 focuses on students obtaining an FFA Part 107 license to operate a drone legally and safely for commercial purposes. Semester 2 focuses on using these new found skills to enhance audio / video production. Successful students will be a part of promoting school groups, clubs, and sports. Semester 2 also focuses on career opportunities for video production.

PHYSICAL EDUCATION

NHS Physical Education has a Two (2) Tiered program. In Tier 1, all students must take Physical Education and one (1) of the other following classes (Fitness/Conditioning Activities/fitness and conditioning for Women, Judo, Recreational Sports 1, Team Sports 1, Weight Training 1) before he/she can take one of the Tier 2 classes. All Tier 2 courses may be repeated for credit.

TIER 1- All of the students must take Physical Education and one of the four Tier 1 classes. All students must purchase a PE uniform – \$15 for a t-shirt; \$25 Combo t-shirt/shorts/lock; \$6 P. E. Lock.

Required: Physical Education

Pick one (1) of the following:

- Fitness/Conditioning Activities/ Fitness and Conditioning for Women
- Recreational Sports 1
- Team Sports 1
- Weight Training 1

PHYSICAL EDUCATION

NCES: 08001

Grade: 9-10 (9th grade recommended)

Semesters: 1

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

FITNESS AND CONDITIONING FOR WOMEN

NCES: 08005

Grade: 9-12

Semesters: 1

Course Note: May be repeated for credit.

This personal training for women class is designed to meet the needs of the female student/athlete. Emphasis will be placed Olympic weightlifting, strength development, speed and agility, with conditioning to maximize their physical potential.

RECREATIONAL SPORTS 1 & 2

NCES: 08004

Grade: 9-12

Semesters: 1

Prerequisite: Completion of Tier 1 before taking a Tier 2 course.

Recreation Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one recreational sport or outdoor pursuit (Units to include disc golf, hiking, climbing, trail running, archery, fly fishing, kayaking if available).

TEAM SPORTS 1 & 2

NCES: 08002

Grade: 9-12

Semesters: 1

Prerequisite: Completion of Tier 1 before taking a Tier 2 course.

Team Sports 1- Students will learn and be able to demonstrate a variety of specific skills designed to enhance play in team sports. (Volleyball, basketball, soccer, football, handball, ultimate Frisbee, indoor hockey softball, speedball)

Team Sports 2 - This course is designed for a higher level of athletic competitiveness.

PHYSICAL EDUCATION

WEIGHT TRAINING 1, 2

NCES: 08009

Grade: 9-10

Semesters: 1

Prerequisite: Completion of Tier 1 before taking a Tier 2 course.

Weight Training courses help students develop knowledge and skills with free weights while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning. This weights and conditioning class is designed to enhance functional movement in the student. Emphasis will be placed on weightlifting, strength development, speed and agility, with conditioning to maximize their physical potential.

WEIGHT TRAINING 3

NCES: 08009

Grade: 11-12

Semesters: 1

Prerequisite: Completion of Weight Training 1 & 2 is required before taking Weight Training 3 or with instructor approval. Level 3 may be repeated with instructor approval.

Weight Training 3 is specifically designed to cater to competitive athletes and their multi dynamic training needs. It will focus on weight lifting along with strength training, plyometric training, and conditioning that can be more tailored toward the specific athlete's needs. Set rep schemes are designed to maximize the athlete's needs in and out of season.

ADAPTIVE PHYSICAL EDUCATION

NCES: 08007

Grade: 9-12

Semesters: 1

Course Notes: Counselor placement only.

This course provides physical education activities (sports, fitness, and conditioning) adapted for students with special needs.

SCIENCE

PHYSICAL SCIENCE

NCES: 03159 **NCAA APPROVED COURSE**

Grade: 9

Semesters: Full Year

Course Note: **Satisfies Physical Science graduation requirement.**

Physical Science courses involve the study of the structures and states of matter. In this course students will explore how humans study and use the laws of nature to design transportation devices. Students will also study our planet, and how our natural resources are used. Interwoven throughout is energy and energy transformations, as well as how scientists and engineers study and use materials to benefit society.

BIOLOGY

NCES: 03051 **NCAA APPROVED COURSE**

Grade: 9 -12

Semesters: Full Year

Course Note: 9th Grade based on teacher recommendation. **Satisfies Life Science graduation requirement.**

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

MARINE BIOLOGY

NCES: 03005 **NCAA APPROVED COURSE**

Grade: 10-12

Semesters: Full Year

Prerequisite: Biology

Courses in Marine Science focus on the content, features, and possibilities of the earth's oceans. They explore marine organisms, conditions, and ecology and sometimes cover marine mining, farming, and exploration.

HONORS BIOLOGY

NCES: 03052 **NCAA APPROVED COURSE**

Grade: 9 -12

Semesters: Full Year

Fee: Willamette Promise \$30

Course Note: 9th Grade based on teacher recommendation. **Satisfies Life Science graduation requirement. Approved advanced course for Honors Diploma. Up to 8 WOU credits available.**

Students will practice scientific skills by describing the structure of cells, investigating how cells process energy, and analyzing the patterns of cellular information flow that shape genetic inheritance. The sequence is designed for students not intending to pursue further study in the biological sciences.

CHEMISTRY

NCES: 03101 **NCAA APPROVED COURSE**

Grade: 10-12

Semesters: Full Year

Prerequisite: Biology & Algebra 1

Course Note: **Satisfies Physical Science graduation requirement.**

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure.

SCIENCE

HONORS CHEMISTRY

NCES:03102 **NCAA APPROVED COURSE**

Grade: 10-12

Semesters: Full Year

Fee: Willamette Promise \$30

Prerequisite: Biology, Algebra 1 (Geometry concurrently)

Course Note: **Approved advanced course for Honors Diploma. Satisfies Physical Science graduation requirement. 4 WOU credits available.**

This is a college level course (Chemistry 104) designed for students majoring in science, pre-professional health studies or pre-engineering who need a refresher or who have not completed the year of high school chemistry required for enrollment in Chemistry 221-223. Students will be provided with a background into the language and mathematics necessary for success in the Chemistry 221-223 sequence. Topics include the use of significant figures, the metric system, problem-solving, stoichiometric calculations, solution calculations, nomenclature, electronic structure and periodic trends. In addition, this course will provide the background needed to understand the chemistry behind current environmental issues affecting society. Topics such as air pollution, water pollution, ozone depletion, climate change and energy will be explored.

AP CHEMISTRY

NCES:03106 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

AP Exam Fee: \$97

Prerequisite: Chemistry and Algebra 2

Course Note: Students are expected to take AP test. **Approved advanced course for Honors Diploma. 4 WOU credits available.**

Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Topics covered may include atomic theory and structure; chemical bonding; states of matter; and reactions (stoichiometry, equilibrium, kinetics, thermodynamics). AP Chemistry laboratories are equivalent to those of typical college courses.

FORENSICS/INTEGRATED SCIENCE

NCES: 03201 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

Materials Fee: \$20

Prerequisite: 2 Lab Sci. (Biology & Chemistry Recommended)

The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics—and organize the material around thematic units. Common themes include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.

PHYSICS

NCES: 03151 **NCAA APPROVED COURSE**

Grade: 10-12

Semesters: Full Year

Prerequisite: Alg. 2 is strongly suggested (*student may be concurrently enrolled in Alg. 2*)

Course Note: **Approved advanced course for Honors Diploma. Satisfies Physical Science graduation requirement.**

Physics is the study of the motion and energy of matter. Concepts will include: Newtonian mechanics; work, energy and mechanical waves. It is a college-prep course designed for students to investigate and develop a working knowledge of the concepts and problems in introductory physics. Mathematics is used as a fundamental model to further apply basic concepts.

ASTRONOMY

NCES:03004 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

Materials Fee: \$20

Prerequisite: Geometry, C or better in Physical science

Astronomy studies the planet we live on and other amazing objects in the cosmos. The relationship of the Earth to its place in the solar system and beyond are studied. Topics include the history of astronomy, methods and instruments used in the collection of astronomical data, planetary movements and positions, stellar astronomy, nuclear fusion, life cycles of stars, other objects in our universe, and the science and history of space exploration.

SCIENCE

INTRODUCTION TO MEDICAL SCIENCES

NCES: 14001

Grade: 10-12

Semesters: Full Year

Fee: \$30 (Willamette Promise)

Prerequisite: Biology

Course Note: 4 **OIT credits available**. This class does not fulfill an NHS science requirement; **elective credit will be issued**.

This course is a survey of medical and health-related occupations including biomedical sciences. Information includes discussion of health care structure, private and public entities, the research community and trends in health education and practice. Through a partnership with Willamette Promise, students will not only gain exposure to an array of health-related fields, but also will have an opportunity to earn college credit.

ANATOMY & PHYSIOLOGY

NCES: 03053 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

Materials Fee: \$20/Willamette Promise \$30

Prerequisite: Biology and Chemistry

Course Note: **Approved Advanced course for Honors Diploma. Up to 4 OIT credits available.**

Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

MEDICAL SCIENCES KINESIOLOGY

NCES:03055

Grade: 11-12

Semesters: Full Year

School Year: 24-25

Materials Fee: \$20

Prerequisite: Intro to Medical Sciences and Biology

In this course, students will engage in material covering fields directly related to exercise sciences. This course will allow students to look at the evolution of exercise science as both a discipline and a profession. Students will learn key terminology and events in order to engage in professional conversations in the field, as well as current issues related to exercise sciences.

MEDICAL SCIENCES NEUROSCIENCE

NCES:03053

Grade: 11-12

Semesters: Full Year

School Year: 23-24

Materials Fee: \$20

Prerequisite: Intro to Medical Sciences and Biology

In this course, students will engage in material covering the basic fundamentals of neuroscience. Students will engage in material covering the molecular, cellular, behavioral and computational mechanisms of the brain. Students will learn key terminology and gross anatomy in order to engage in professional conversations in the field, as well as current issues related to neurobiology.

BNA (BASIC NURSE ASSISTANT) PROGRAM

NCES: 14051

Grade: 12

Semesters: 1 (2ND semester only)

Materials Fee: up to \$250

Recommended Coursework (not required): Introduction to Medical Sciences, Anatomy & Physiology, Honors Biology.

Course Note: This course is only available to seniors. Admission to the BNA program is based on a selective application process. Spaces are limited.

This 155 hour training course is approved by the Oregon State Board of Nursing (OSBN). It consists of 80 hours of classroom and lab and 75 hours of clinical in a long-term care facility. Successful completion qualifies individuals to take the Nurse Assistant Competency Evaluation test for state certification as a Nursing Assistant. Course subjects include: Interpersonal skills and communication, growth and development throughout the life cycle, cultural aspects, legal/ethical aspects, medical and nursing terminology, general patient care; patient bathing, taking and recording vital signs, feeding patients, infection control, and caring for patient's personal needs.

SECOND LANGUAGE

FRENCH 1

NCES: 06121 **NCAA APPROVED COURSE**

Grade: 9-11

Semesters: Full Year

Designed to introduce students to French language and culture, French 1 emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.

FRENCH 2

NCES: 06122 **NCAA APPROVED COURSE**

Grade: 10-12

Semesters: Full Year

Prerequisite: Completed French 1 with a "C" or better and/or teacher recommendation

French2 courses build upon skills developed in French 1, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French-speaking people to deepen their understanding of the culture(s).

FRENCH 3

NCES: 06123 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

Prerequisite: French 1 & 2, with a "C" or better and/or teacher recommendation

Course Note: **Approved advanced course for Honors Diploma.**

French 3 courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

FRENCH 4

NCES: 06124 **NCAA APPROVED COURSE**

Grade: 12

Semesters: Full Year

Prerequisite: French 1, 2 & 3, with a "C" or better and/or teacher recommendation

Course Note: **Approved advanced course for Honors Diploma.**

French 4 courses focus on advancing students' skills and abilities to read, write, speak, and understand the French language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

GERMAN 1

NCES: 06201 **NCAA APPROVED COURSE**

Grade: 9-11

Semesters: Full Year

Designed to introduce students to German language and culture, German 1 courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. German culture is introduced through the art, literature, customs, and history of the German-speaking people.

GERMAN 2

NCES: 06202 **NCAA APPROVED COURSE**

Grade: 10-12

Semesters: Full Year

Prerequisite: German 1, with a "C" or better and/or teacher recommendation

German 2 courses build upon skills developed in German 1, extending students' ability to understand and express themselves in German and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of German-speaking people to deepen their understanding of the culture(s).

SECOND LANGUAGE

GERMAN 3

NCES: 06203 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

Prerequisite: German 2 with a "C" or better and/or teacher recommendation

Course Note: **Approved advanced course for Honors Diploma.**

German 3 courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

GERMAN 4

NCES: 06204 **NCAA APPROVED COURSE**

Grade: 12

Semesters: Full Year

Prerequisite: German 3 with a "C" or better and/or teacher recommendation

Course Note: **Approved advanced course for Honors Diploma.**

German 4 courses focus on advancing students' skills and abilities to read, write, speak, and understand the German language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

SPANISH 1

NCES: 06101 **NCAA APPROVED COURSE**

Grade: 9-11

Semesters: Full Year

Designed to introduce students to Spanish language and culture, Spanish 1 courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

SPANISH 2

NCES: 06102 **NCAA APPROVED COURSE**

Grade: 9-12

Semesters: Full Year

Prerequisite: Spanish 1, with a "C" or better and/or teacher recommendation

Spanish 2 courses build upon skills developed in Spanish 1, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

SPANISH 3

NCES: 06103 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

Prerequisite: Spanish 1 & 2, with a "C" or better and/or teacher recommendation

Course Note: **Approved advanced course for Honors Diploma.**

Spanish 3 courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

SECOND LANGUAGE

SPANISH 4

NCES: 06104 **NCAA APPROVED COURSE**

Grade: 12

Semesters: Full Year

Prerequisite: Spanish 1, 2 & 3, with a “C” or better and/or teacher recommendation

Course Note: **Approved advanced course for Honors Diploma. Up to 4 PCC Dual Credits are available**

Spanish 4 courses focus on advancing students’ skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

SPANISH FOR NATIVE SPEAKERS 1 & 2

NCES: 06106 **NCAA APPROVED COURSE**

Grade: 9-12

Semesters: Full Year

Prerequisite: Courses must be taken in sequence.

Course Note: **Spanish for Native Speakers 1 & 2 satisfies the second language requirement.** Students may take Spanish for Native Speakers course for elective credit.

Spanish for Native Speakers courses support, reinforce, and expand students’ knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Spanish for Native Speakers courses often move faster than do regular Spanish foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills. Students who complete level 2 may consider taking the AP Spanish test.

SOCIAL SCIENCE

MODERN WORLD HISTORY

NCES: 04053 **NCAA APPROVED COURSE**

Grade: 9

Semesters: Full Year

Course Note: Meets graduation requirement for World Studies

Modern World History courses provide an overview of the history of human society from the late 19th century through the contemporary period-exploring political, economic, social, religious, military, scientific, and cultural developments.

MODERN U.S. HISTORY

NCES: 04103 **NCAA APPROVED COURSE**

Grade: 10

Semesters: Full Year

Course Note: Meets graduation requirement for American Studies

Modern U.S. History courses examine the history of the United States from the Civil War or Reconstruction era (some courses begin at a later period) through the present time. These courses typically include a historical review of political, military, scientific, and social developments.

AP U.S. HISTORY

NCES: 04104 **NCAA APPROVED COURSE**

Grade: 10-12

Semesters: Full Year

AP Exam Fee: \$97

Course Note: Meets graduation requirement for American Studies. College level coursework; summer reading assignments TBA; Students are expected to take AP test.

Approved advanced course for Honors Diploma.

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.

AP EUROPEAN HISTORY

NCES: 04056 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: Full Year

AP Exam Fee: \$97

Course Note: Meets graduation requirement for World Studies. College level coursework; summer reading assignments TBA; Students are expected to take AP test.

Approved advanced course for Honors Diploma.

Following the College Board's suggested curriculum designed to parallel college-level European History courses, AP European History courses examine European civilization from the High Renaissance period to the recent past and also expose students to the factual narrative. In addition, these courses help students develop an understanding of some of the principal themes in modern European history and the abilities to analyze historical evidence and to express that understanding and analysis in writing.

U.S. GOVERNMENT—COMPREHENSIVE

NCES: 04151 **NCAA APPROVED COURSE**

Grade: 12

Semesters: 1

Course Note: Meets graduation requirement for Government. Fulfills the Civics Graduation Requirement.

U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

SOCIAL SCIENCE

AP U.S. GOVERNMENT & POLITICS

NCES: 04157 **NCAA APPROVED COURSE**

Grade: 12

Semesters: Full Year

AP Exam Fee: \$97

Course Note: Meets graduation requirement for Government & Economics. Fulfills the Civics Graduation Requirement. College level coursework; summer reading assignments TBA; Students are expected to take AP test.

Approved advanced course for Honors Diploma.

Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, these courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The courses generally cover the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government, and civil rights and liberties.

ECONOMICS

NCES: 04201 **NCAA APPROVED COURSE**

Grade: 12

Semesters: 1

Course Note: Meets graduation requirement for Economics.

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both. Financial literacy is discussed as well.

PSYCHOLOGY 1

NCES: 04254 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: 1

Course Note: This class does not fulfill an NHS social science requirement; **elective credit will be issued.**

This college prep course is designed to engage students in a look at individual behavior and why an individual thinks, feels, and reacts to certain stimuli. Psychology units that are covered, but not limited to, are: a history of psychology, research methods and experiments, the brain, sensation and perception, emotion, and learning.

PSYCHOLOGY 2

NCES: 04255 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: 1

Prerequisite: Psychology 1

Course Note: This class does not fulfill an NHS social science requirement; **elective credit will be issued.**

This college prep course is a further look into human behavior and cognitive activities. Psychology 2 units that are covered, but not limited to, are: memory, intelligence, personality, psychological disorders, and treatments of psychological disorders.

SOCIOLOGY

NCES: 04258 **NCAA APPROVED COURSE**

Grade: 11-12

Semesters: 1

Course Note: This class does not fulfill an NHS social science requirement; **elective credit will be issued.**

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

SOCIAL SCIENCE

NATIVE AMERICAN STUDIES

NCES: 04107

Grade: 11-12

Semesters: 1

Course Note: This class does not fulfill an NHS social science requirement; **elective credit will be issued.**

Native American Studies is an overview of Native American culture and their experiences in North America from before the Europeans arrived to where we are now with the tribes still fighting for recognition and dealing with ongoing problems on their reservations. By examining the effects of disease, warfare, treaties, and legislation, students will see how American Indians lost their land and autonomy, and how they continue to try and gain it back. Students will learn and study the information from the perspective of Native Americans and European Americans and the course will cover some familiar aspects of US history such as the American Revolution, Western Expansion, the New Deal and the 60s movement for civil rights and change.

MINDFUL STUDIES

NCES: 04299

Grade: 10-12

Semesters: 1

Course Note: This class does not fulfill an NHS social science requirement; **elective credit will be issued.**

Mindful Studies is a psychology course designed to help students purposefully pay attention to their thoughts and feelings in order to understand why they think, feel, and act the way they do. Students will develop healthy decision-making skills and learn to properly respond to life's challenges. This course will provide students with basic tools to help them develop an independent mindfulness practice including meditation, mindful movement, and self-reflective journaling.

WOMEN IN HISTORY

NCES:04062

Grade: 11-12

Semesters: 1

Course Note: This class does not fulfill an NHS social science requirement; **elective credit will be issued.**

"Women in History" will be an overview of key contributions of women in both global and US histories. Paying special attention to primary documents and an emphasis on womens' perspectives, students will explore the many contributions of women in the areas of politics, the arts, literature, science and math. Students will critically analyze social movements, such as the Suffragette's work that led to the 19th Amendment, and women leading various fields and political movements today. Well known international women, such as Frida Khalo, Marie Curie, Indira Gandhi, and Malala Yousafzai, and well known American women, such as Abigail Adams, Lucretia Mott, Elinor Roosevelt, Georgia O'Keeffe, and Katherine Johnson will help to highlight the many ways that women have created change and advancement for all women of all walks of life. The overall goal will be to continue to foster a solid understanding of history and to understand multiple perspectives and contributions of significant women in making our collective history what it is today.

SPECIAL EDUCATION

Students with an Individualized Education Plan (IEP) will be scheduled into classes based on the requirements of their plan. Students on IEP's have access to a Study Skills support class.

COMMUNICATION INSTRUCTION/FAST FORWARD

NCES: 22252

Grade: 9-12

Semesters: 1

Prerequisite: Case Manager Placement

Course Note: Pass/Fail

Communication Instruction courses are typically individualized according to each student's condition and needs. Increasing the student's communication skills—oral expression, listening comprehension, reading, and writing—is emphasized; communication techniques in several areas (educational, social, and vocational) are often explored.

LIFE SKILLS/ILS

NCES: 19257

Grade: 9-12

Semesters: Full Year

Prerequisite: Case Manager Placement

Course Note: This class will be graded with both a Pass/Fail and letter grade.

Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize such topics as goal-setting, decision-making, and setting priorities; money and time management; relationships; and the development of the self. Practical exercises regarding selecting and furnishing houses, meeting transportation needs, preparing food, selecting clothing, and building a wardrobe are often integral to these classes. In addition, specific topics such as insurance, taxation, and consumer protection may also be covered.

STUDY SKILLS/LRC

NCES: 022003

Grade: 9-12

Semesters: Full Year

Prerequisite: Case Manager Placement Course Note: Pass/Fail

Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing.





It is the policy of the Newberg Board of Education and School District that there will be no discrimination or harassment on the grounds of race, color, sex, marital status, religion, national origin, age or disability in any educational programs, activities or employment. Persons having questions about equal opportunity and nondiscrimination should contact Newberg School District Office at 503-554-5000. Newberg School District is an equal opportunity employer and educator.