



Newberg High School
Course Guide
2015-16

Table of Contents

	Page
Welcome to Newberg High School	1
Graduation Requirements	2-3
Essential Skills	2-3
Personalized Learning	2-3
College Dual Credit Options	4
Student Support Services	5-6
Alternative Options	7
Athletic and Activities Academic Requirements	8-9
College and University Information	10
Scheduling and Records	11
How to Read a Course Description	12
Course Offerings	13-46
Art	13-14
Business	15
ELL: English Language Learners	16
Family & Consumer Studies	17-18
Health	19
Industry & Engineering	20-21
Language Arts	22-23
Language Arts-Other	24
Mathematics	25-27
Natural Resource Sciences	28-29
Other Programs	30-31
Performing Arts	32-35
Physical Education	36-37
Science	38-40
Second Language	41-43
Social Science	44-45
Special Education	46
Structured Work Experience	46
T.A.G. (Talented and Gifted)	46

Disclaimer:

The information contained in this course guide is based on the most current School Board Policies as of publication (1/1/2014) and is subject to change without notice.

WELCOME TO NEWBERG HIGH SCHOOL

Dear Newberg High School Families,

This course guide is provided to students and their families in an attempt to help inform all Newberg High School patrons of the courses that NHS offers while also helping students and their families develop an educational plan for their tenure as NHS Tigers! Central to our vision that all students graduate from Newberg High as competent, self-assured citizens that are college and/or career ready, NHS believes in helping students develop a very strong academic and personal foundation during their years at NHS, skills that will serve them well as they pursue their post-secondary endeavors and beyond!

The cornerstones of this vision include:

1. **Maintaining exemplary attendance!**
Students in attendance 95% or more of the time are very successful!
2. **Earning sufficient credits!**
Students focused on earning 6.5 or more credits per year remain on track to graduate!
3. **Developing a strong, comprehensive set of literacy skills (essential skills)!**
Reading, writing and arithmetic unlock all other learning, and your future!
4. **Attaining a diploma!**
Remaining focused on the task at hand for four years can be difficult, but it is critical!
5. **Connecting to post-high school educational opportunities!**
Maintaining college and career goals is important for your future!

On behalf of the faculty here at NHS we would like to encourage to you read this guide thoroughly, consider all of your options, and take the time to gain an understanding of what earning an NHS diploma entails. While there are a series of required courses that all NHS students must complete there are also many elective courses to choose from, all of which will not only shape you as a person, but will help move you in the directions of your college and career goals. So please consider your choices carefully and feel free to visit with your counselor or an administrator for more insights, suggestions and answers to questions. We are here to help!

A few tips that will help you when reviewing this guide include:

1. Study the flow chart of courses provided in the pages to follow
2. Understand what your "required" and "elective" courses are by grade level
3. Consider taking risks such as trying out courses you may not be sure of, taking advanced courses that may be very rigorous, or exploring our many dual credit courses which provide you with the opportunity to earn college credit while attending NHS!
4. Dream! Dream big! Your success is our success and we want to support your pursuit of your dreams! So chase that dream of becoming whatever it is you dream of becoming and allow us the honor of helping you achieve it!

Wishing you a wonderful school year next year!
The NHS Administrative & Counseling Team

Newberg High School Graduation Requirements

Newberg High School students will be challenged to achieve academic excellence while earning a diploma from Newberg High School. Students must earn 26 credits in the designated subject areas by earning a passing grade in required courses while meeting state and district attendance requirements. In addition, students must complete the personalized learning requirements and show proficiency in essential skills as outlined below. **One half (.5) credit is earned by successfully completing a one period course for one semester.**

- A Modified Diploma is an option for students who meet district, state, and federal criteria.
- Students earning a Newberg Diploma with Honors must earn 28 credits in the designated subject areas with a minimum of a 3.5 GPA.
- An Oregon Diploma is an option for students who meet district, state and federal criteria.

Valedictorian / Salutatorian

Students who successfully earn the Honors Diploma with a 4.0 grade point average will participate as Valedictorians. Students who earn a standard diploma with a 4.0 grade point average will participate as Salutatorians.

Essential Skills

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)

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

Counselors and staff members will assist students in developing an educational plan that meets their high school diploma requirements. 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.

Newberg High School Graduation Requirements

	Standard Diploma	Honors Diploma
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 the OUS system	Credits Required: 4 Includes one (1) credit in mathematics beyond Algebra 2 or its equivalent
Science	Credits Required: 3 Includes physical science and life science and scientific inquiry (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	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 2 nd Language at the level of second year high school language course in the same language	Credits Required: 3 With proficiency in 2 nd Language at the level of third year high school language course in the same language
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 Essential Skills	Reading/Writing/Math Required	Reading/Writing/Math Required
Personalized Learning Requirements		
Educational Plan and Profile	Required	Required
Career-Related Learning Experiences	Required	Required
Extended Application	Required	Required

College Dual Credit options

Newberg High School has articulated course work with Portland Community College, Linn-Benton Community College, and Chemeketa Community College and OIT. 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
Agriculture			
Agribusiness Management	AG 111	Computers in Ag	4 credits
Agriculture and Natural Resources-Comprehensive	CSS 105 CSS 200	Soils Crop Science	3 credits 4 credits
Particular Topics In Animal Systems	ANS 121	Animal Science	4 credits
Computer Aided Design & Drafting			
CAD Design & Software 1, 2 & 3	CADD 185	Inventor-Fundamentals	3 credits
Landscape Technology			
General Horticulture	LAT 106	Basic Horticulture	4 credits
Ornamental Horticulture	LAT 109	Plant Propagation	3 credits
Language Arts			
Literature of an Author I/Shakespeare	ENG 105	Introduction to Literature (Drama)	4 credits
Literature of an Author II/Shakespeare	WR 121	English Composition	4 credits
Machine Manufacturing Tech			
Computer Integrated Manufacturing	MCH 210	Project Machine Tech IV	6 credits
Math			
Pre Calculus A	MTH 112	Elementary Functions	5 credits
Pre Calculus B	MTH 111	College Algebra	5 credits
Calculus A	MTH 251	Calculus I	4 credits
Calculus B	MTH 252	Calculus II	5 credits
AP Statistics A	MTH 243	Statistics I	5 credits
AP Statistics A	MTH 244	Statistics II	4 credits
Intermediate Algebra	MTH 95	Intermediate Algebra	4 credits
Performing Arts			
Expressive Movement	TA 148	Movement for the Stage	3 credits
Drama/Acting	TA 141	Fundamentals of Acting Techniques	4 credits
Science			
AP Chemistry A	CHEM 221	Chemistry I	5 credits
AP Chemistry B	CHEM 222	Chemistry II	5 credits
Particular Topics in Biology/Oregon Ecology	TBA	TBA	TBA
Spanish			
Spanish 4A/B	SPA 101	First Year Spanish: First Term	4 Credits
Welding			
Welding 3	WLD 111	SMAW:Mild Steel & Oxy-acetylene Cutting	4 credits
Welding 3	WLD 271	Oxy-acetylene Welding Projects	1 credits

Advanced Placement

Newberg High School students have the opportunity to take Advanced Placement (AP) classes in English, social studies, math, science and art. Through AP Exams, students have the opportunity to earn credit at most of the nation's colleges and universities. The only prerequisite is a strong curiosity about the subject and a willingness to work hard. Advanced Placement courses offer numerous benefits; students get a head start on college level work, they stand out in the college admissions process, and they broaden their own intellectual horizons. For more information please refer to the course descriptions or contact your counselor. Scholarships are available.

Additional College Credit Option

The Expanded Options Program (EOP) is an opportunity for high school students to earn concurrent high school and college credits through public community colleges and universities in the state of Oregon. This program was created in 2005 via Senate Bill 300 (SB300). The goal of the program is to provide students with additional options to continue or complete their education in subjects in which they have exhausted current course offerings at the high school. If accepted into the program, Newberg School District covers the cost of tuition and fees. To be eligible to apply, the student must be:

- 16 years of age or older at the time of enrollment and in grade 11 or 12
- Currently enrolled in high school, and
- On track to complete course requirements for graduation

All sophomores and juniors are mailed information about EOP and an *Intent to Enroll* form with their February report card. Interested students must complete the *Intent to Enroll* form and return it to their small school office by the specified date. Contact your counselor for more information.

Expanded Options

The Expanded Options program was created by the legislature as a means of providing another opportunity for eligible high school students to participate in post-secondary classes while in high school. Eligible students under the Expanded Options Program may have tuition, fees and other required instructional costs paid by the school district. Interested students should contact their counselor by February for more information.

Student Support Services

All students are supported in a variety of ways to help ensure academic success and personal well-being.

Administrators

As the leader, the administrator's role is to support students and staff. Key roles of the administrator are to:

- Ensure the safety of student and staff
- Encourage and support student leadership
- Meet regularly with parent group
- Facilitate professional development
- Respond to parent suggestions and concerns

School Counseling

Each school counselor is a certified/licensed counselor trained in school counseling with unique qualifications and skills to address all students' academic, personal, social, and career development needs. The school counselor provides services to students, parents, school staff and the community in the following domains:

- Career & College Guidance – Information designed to help students discover vocational skills and interests, establish personal goals, and develop future plans is provided through individual and group presentations, and through coordination with advisory teachers. The school counselor works with students to ensure they understand the importance of high school planning and success in order to transition to post-secondary education and employment.
- Academic Planning - The school counselor assists students in meeting academic standards, choosing appropriately challenging courses, and creating a personalized educational plan which leads to graduation and beyond.
- Responsive Services – The school counselor maintains confidentiality within the limits of the law in order to assist students in resolving or coping with conflicts or concerns. School Counselors are available to assist students and their families with issues related to addictions, mental health, teen pregnancy, homelessness and with referrals to community resources.

College and Career Center

The College and Career Center Coordinator provide the following resources:

- Presentations from College Admissions Counselors
 - Financial Aid (FAFSA)
 - Scholarship Applications
 - Military
 - ASVAB test
 - PSAT/SAT/ACT information
 - College Applications <http://www.newberg.k12.or.us/nhs/college>
- *Apprenticeship Information
 - *Volunteer & Internship Opportunities
 - *College & Career Related Field Trips
- (*Please see the School to Work Coordinator for more information.)

Advisory

Students are assigned to an advisory teacher at the time they enroll in Newberg High School. The Advisory Program helps students complete the Personalized Learning requirements for graduation. This class meets regularly and supports students with community building, academic support, and post-secondary planning. Students are graded on a pass/fail basis.

Academic Achievement & Grading

Newberg High will ensure that all students have the opportunity to demonstrate progress toward becoming proficient in the knowledge and skills of the student's current grade level. Students who have not yet met or who exceed all of the standards at any grade level will be offered additional services or alternative public education options.

In measuring and reporting student progress, we will:

- Inform parents regularly of their children's progress through the use of ParentLink. This includes notification when a child's performance becomes unsatisfactory or shows marked or sudden deterioration
- Base grades upon academic performance and not student attitude.
- Not use grades for disciplinary purposes
- Not use absenteeism or misconduct as the sole criterion for reduction of a grade
- Strive for consistency in grading and reporting
- Take particular care to explain to parents the meaning of marks and symbols.
- Award a grade of A-F, unless otherwise noted P/F.

Academic Support

- Homework Club offers after school homework assistance to all students
- Peer Tutors offer academic support for students during the school day
- Tutorial/Topic Specific: An elective class student's are placed in, in order to complete their state requirements.
- See Counselor for details

Office Support Staff

The office staff are important members of the school's team and assist in student safety and success. They serve a vital role in:

- Attendance
- Dispensing medications
- Registration
- School to home communication
- Scheduling administrator and counselor appointments
- Student records and transcripts
- School to home, home to school communication

Alternative Options

Credit Recovery*

Students who have failed one or more required courses for graduation have several options for recovering these credits.

- Online – A credit recovery program may be offered after the school day. Priority is given to seniors and then juniors, and is by counselor placement only. Students are required to pay a \$50 refundable deposit.
- NHS Summer School - Credit recovery courses are taken and completed in a 7- 8 week period of time during the summer with an associated cost to the student/family. Information about this option is available each year in late spring from the counselor.
- Other online course providers – There are other online course providers that students may choose for credit recovery with the cost ranging from \$125.00 - \$150.00 per half credit. For more information go to: www.elearn.byu.edu or **Students MUST check with their counselor before registering to validate credit acceptance.**

*All credit recovery opportunities pending budget.

Catalyst

Catalyst, the Newberg alternative program, offers students classes via whole- and small-group instruction, one-on-one support, and blended learning. For academically-disciplined, highly-motivated students, independent study courses may be available that are either teacher-designed or accessed through an online learning platform. Additionally, service learning and internship programs are designed to meet graduation requirements in a variety of subject areas.

Students spend their first term at Catalyst in a three-period Discovery class designed to create a school climate that is positive and supportive to student achievement. Upon successful completion of Discovery, students begin their second term with a full schedule.

The regular school week consists of a five-period day on Mondays, Tuesdays, Thursdays, and Fridays. On Wednesdays, students are off-campus participating in service learning and internship experiences.

The Catalyst school year consists of six, six-week Learning Cycles in which a student can earn .25 for each course they are enrolled in and pass. Credits are earned based on proficiency in Oregon State Standards (including the Common Core Standards) for each subject area.

Graduates of Catalyst complete the credit requirements set forth by the School Board and earn a Newberg High School diploma or Oregon Diploma.

For more information about The Catalyst Program, please visit: <http://www.newberg.k12.or.us/nhs/catalyst> or call 503-554-4492.

Co-Curricular Activities and Athletics

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.

Athletic and 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. See Mr. Burke or your coach for more information.

Athletic and Activities Programs and/or Clubs

FALL ATHLETIC PROGRAMS (August –November)

<u>BOYS</u>	<u>GIRLS</u>
Cross Country	Cross Country
Football	Volleyball
Soccer	Soccer
Water Polo	Water Polo

WINTER ATHLETIC PROGRAMS (November – February)

<u>BOYS</u>	<u>GIRLS</u>
Basketball	Basketball
Swimming	Swimming
Wrestling	

*Rugby, for both boys and girls, runs from December to May

SPRING ATHLETIC PROGRAMS (March –June)

<u>BOYS</u>	<u>GIRLS</u>
Baseball	Softball
Golf	Golf
Lacrosse	Lacrosse
Tennis	Tennis
Track	Track

Year-Round Activities/Clubs

Art Club
 NHS Cheerleading
 Code Club (Computer Programming)
 Culture Club
 Dance Team (Tiger Riot Dance Team)
 Disk Golf Club
 FCA (Fellowship of Christian Athletes)
 FFA (Future Farmers of America)
 Film Club
 International Club
 GSA (Gay Straight Alliance)
 Interact (Service Club Affiliated with Rotary)
 JSA (Junior State of America)
 Key Club (Service Club Affiliated with Kiwanis)
 Marching Band Club
 MECha
 NHS (National Honor Society)
 OHSET (Oregon High School Equestrian Team)
 Path to Scholarships
 Pin Pals
 Pro-Start (Culinary Team)
 Robotics
 Thespians
 Weightlifting Club

*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 athletic department.

College & University Information

State of Oregon University Admission Requirements

Below are the minimum credit requirements for a State of Oregon University. Please see University websites for specific requirements.

Oregon University System Course Requirements	
English	4 credits with a C or better
Mathematics	3 credits (Algebra 1 and above, 2 must be lab based) 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	Required

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

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>

Community College Requirements

Oregon community colleges have an open door admission policy. Students can complete a certificate program, a 2-year associate program, or transfer to a 4-year college. 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. Students may be required to take an entrance exam.

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 www.collegeboard.org

Anticipated SAT Test Dates

March 14, 2015
 May 2, 2015
 June 6, 2015
 October 3, 2015
 November 7, 2015
 December 5, 2015
 January 23, 2016

ACT Test Dates

September 12, 2015
 October 24, 2015
 December 12, 2015
 February 6, 2016
 April 9, 2016
 June 11, 2016

PSAT Test Date

October 14, 2015 (Wed)*
 October 7, 2015 (Sat)

*The PSAT will be offered to all sophomores at Newberg High School on this date free of charge. Juniors are encouraged to take the test on this date as well, however there will be a small fee for their test materials.

College and Career Planning

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.

Scheduling and Records

Course Selection

Students register for classes for the next academic year each spring. Students are advised to consult their educational plan before registering for classes to ensure they are meeting graduation and post-secondary school or work requirements. A list of all classes offered is included in this course guide. This listing displays the name of the class, number of credits, number of semesters, materials fees, grade level and class notes and any prerequisite classes required.

Students are advised to plan ahead and forecast carefully. A significant amount of time and effort is devoted to giving students their first choice of electives. The offering and staffing of courses is largely based on the student's requests during forecasting. **Therefore, students are expected to take and complete the classes they have requested and except for extreme circumstances will not be able to change classes.**

In the event that students are placed incorrectly, they may request a schedule change.

If a student selects to drop a class after the first 10 school days of each semester, it may result in a failing grade except when extenuating circumstances, determined by the administrators, warrant other action.

Repeating Courses

Some courses may be repeated for credit. This is noted in the course description within this guide. Both grades will show on the transcript and be figured into the G.P.A.

Transcript Requests

Students may request an unofficial transcript at anytime. Any official transcript requires a signed release from a parent or guardian if the student is 17 or younger. Students 18 or older must sign their own release. Please see the registrar for transcript release forms. Or go to our website: http://www.newberg.k12.or.us/sites/default/files/fileattachments/official_transcripts_request_2015.pdf You may fax your request to: 503-554-4433.

Grade Change Requests

Grade change requests, other than an error, must be submitted to the teacher of record in writing by the end of the next semester in order to be considered.

HOW TO READ A COURSE DESCRIPTION

Nationally standardized course title.

CREATIVE ART-PAINTING 1, 2 & 3

NCES: 05157 Formerly: BEGINNING, INTERMEDIATE and ADVANCED PAINTING

Grade: 9-12

Semester: 1

Materials Fee: \$20

Prerequisite: Comprehensive/Visual Art. Courses must be taken in sequence.

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

Creative Art—Painting 1, 2, & 3

Students will deepen their understanding of painting through hands-on practice in this course – 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), but some courses may focus on only one medium.

Nationally standardized course description.

Prerequisite: This is what is required before you are allowed to enroll in this class. In most cases, the prerequisite is a passing grade in another class.

Course Offerings

ART

AP STUDIO ART-GENERAL PORTFOLIO

NCES: 05171 Formerly: ART SEMINAR
Grade: 11-12
Semesters: Full Year, May be repeated for credit
Materials Fee: \$20 per semester; AP fee \$91
Prerequisite: Minimum of 3 other art courses & portfolio review.
Course Notes: Students are expected to submit portfolios for AP Studio Art credit.

AP Studio Art—General Portfolio

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.

CERAMICS/POTTERY 1, 2 & 3

NCES: 05159 Formerly: BEGINNING, INTERMEDIATE and ADVANCED CERAMICS
Grade: 9-12
Semester: 1
Materials Fee: \$20
Prerequisite: Courses must be taken in sequence.
Course Note: Level 3 class may be repeated for credit with instructor's approval.

Ceramics/Pottery

Ceramics/Pottery courses cover the same topics as Creative Art—Comprehensive courses, but 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.

CREATIVE ART-DRAWING 1, 2 & 3

NCES: 05156 Formerly: BEGINNING, INTERMEDIATE and ADVANCED DRAWING
Grade: 9-12
Semester: 1, May be repeated for credit
Materials Fee: \$20
Prerequisite: Courses must be taken in sequence.
Course Note: Level 3 class may be repeated for credit with instructor's approval.

Creative Art—Drawing 1, 2 & 3

Creative Art—Drawing/Painting courses cover the same topics as Creative Art—Comprehensive courses, but 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.

CREATIVE ART-PAINTING 1, 2 & 3

NCES: 05157 Formerly: BEGINNING, INTERMEDIATE and ADVANCED PAINTING
Grade: 9-12
Semester: 1
Materials Fee: \$20
Prerequisite: Courses must be taken in sequence.
Course Note: Level 3 class may be repeated for credit with instructor's approval.

Creative Art—Painting 1, 2, 3

Students will deepen their understanding of painting through hands-on practice in this course – 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), but some courses may focus on only one medium.

CREATIVE ART-SCULPTURE

NCES: 05158 Formerly: SCULPTURE

Grade: 9-12

Semester: 1

Materials Fee: \$20

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

Creative Art—Sculpture

This course builds student creative and critical thinking skills through sculpting. Students typically work with several media such as clay, ceramics, wood, metals and textiles. The students will have the opportunity to work in a variety of mediums. Students will be asked to keep a sketchbook of sculpture ideas, practice of techniques and reflection.

GRAPHIC DESIGN 1 & 2

NCES: 05162

Grade: 10-12

Semester: 1, Courses must be taken in sequence

Materials Fee: \$20

Prerequisite: Any level 1 Art Course; Courses must be taken in sequence.

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

Graphic Design

Graphic Design courses emphasize design elements and principles in the purposeful arrangement of images and text to communicate a message. Graphic 1 students will have the opportunity to combine traditional art making techniques with design created digitally using both Adobe Illustrator and Photoshop. Graphic 2 students will take the concepts learned along with computer skills gained and demonstrate their understanding through several real-world design projects. This class will allow students to develop their understanding of formal layout systems, composition, typography and improved knowledge of the Adobe Illustrator and Photoshop software.

PHOTOGRAPHY

NCES: 05167 Formerly: DIGITAL PHOTOGRAPHY

Grade: 10-12

Semester: 1

Materials Fee: \$20

Course Note: Digital photography based

Photography

Photography courses expose students to the materials, processes, and artistic techniques of taking artistic 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.

CREATIVE ART- DRAWING/CALLIGRAPHY

NCES: 05156

Grade: 9-12

Semester: 1, May be repeated for credit

Materials Fee: \$20

Creative Art- Drawing/Calligraphy

This course covers the same topics as Creative Art-Drawing, but focus 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. Sketchbooks will be used for exploration of ideas, practice of techniques, and reflection.

BUSINESS

CONSUMER ECONOMICS/PERSONAL FINANCE

NCES: 22210 Formerly: DECISIONS & DOLLARS
Grade: 10-12
Semester: 1

Consumer Economics/Personal Finance

Consumer Economics/Personal Finance courses provide 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. These courses may also provide an overview of the American economy.

INTRODUCTION TO BUSINESS

NCES: 12051 Formerly: BUSINESS ACADEMY 1
Grade: 9-12
Semester: 1

Introduction to Business

Introduction to Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. This course will utilize **Virtual Business – Restaurant**-an online simulation where students will open a restaurant and control menu design, staffing, equipment purchases, restaurant layout, purchasing, marketing, inventory control, and more.

MARKETING-COMPREHENSIVE

NCES: 12152 Formerly: MARKETING 1
Grade: 10-12
Semesters: Full Year
Prerequisite: Introduction to Business

Marketing—Comprehensive

Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. This class will utilize **Virtual Business - Sports and Entertainment Online**, a simulation of a sports and entertainment venue lets students handle promotion, ticket pricing, stadium operations and staffing, sponsors, concessions, concert booking, and more.

RETAIL MARKETING

NCES: 12161 Formerly: MARKETING 2
Grade: 11-12
Semester: 1

Prerequisite: Introduction to Business, Marketing Comprehensive

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

Retail Marketing

Retail Marketing courses cover 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, human relations, and business management and ownership. This course will utilize **Virtual Business - Retailing** an online simulation where students start with a family grocery/convenience store. As they advance, they manage sporting goods and electronics retailers. Promotion options include traditional media and new options such as email campaigns.

MARKETING MANAGEMENT

NCES: 12166 Formerly: MARKETING 3
Grade: 11-12
Semesters: 1

Prerequisite: Introduction to Business and Marketing Comprehensive; This class may be repeated for credit with instructor's approval.

Marketing Management

Marketing Management courses typically cover the same scope of topics as Marketing— Comprehensive courses (purchasing and distribution systems; advertising and sales; and so on) but place a particular emphasis on business management and entrepreneurship, providing exposure to common techniques and problems of management. Students learn hands on though the operation of the Student Store. This course will also utilize **Virtual Business - Management Online** where students take over the role of general manager at a bicycle and jeans factory and control limited factors. As they grow in business knowledge, they can grow into manufacturing giants.

ELL: ENGLISH LANGUAGE LEARNERS

ENGLISH AS A SECOND LANGUAGE 1, 2 & 3

NCES: 01008 Formerly: ELD-ENGLISH LANGUAGE DEVELOPMENT

Grade: 9-12

Semesters: Full Year

Prerequisite: Instructor/Counselor placement only

English as a Second Language

English as a Second Language (ESL) courses are designed for the rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. Sheltered Language Arts 1 course is required for all English Language Learners at beginning through early intermediate language proficiency. Sheltered Language Arts 2 course is required for all English Language Learners at early intermediate through early advanced language proficiency. Early level ESL 1 course is required for all English language learners at beginning to early intermediate language proficiency. It has been organized to develop skills in listening, speaking, reading, and writing; all elements of effective communication. Intermediate level ESL 2 course is required for all English language learners with intermediate to early advanced language proficiency. It has been organized to develop skills in listening, speaking, reading, and writing; all elements of effective communication. We focus on developing academic vocabulary skills, reading fluency, and on structured paragraph writing.

LANGUAGE ARTS LABORATORY/ELL 1, 2 & 3

NCES: 01009 Formerly: LANGUAGE ARTS LAB

Grade: 9-12

Semesters: Full Year

Prerequisite: Instructor/Counselor placement only

Language Arts Laboratory

Language Arts Laboratory courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great 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.

FAMILY & CONSUMER STUDIES

FAMILY LIVING

NCES: 22208
Grade: 9-12
Semester: 1

Formerly: EARLY CHILDHOOD EDUCATION - A

Family Living

Family Living courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as social/dating practices, human sexuality, marriage preparation, parenthood and the function of the family unit, and the various stages of life. This class cover topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner.

CHILD DEVELOPMENT 1 & 2

NCES: 19052
Grade: 9-12
Semester: 1

Formerly: EARLY CHILDHOOD EDUCATION – B & C

Prerequisite: Family Living

Course Notes: **Child Development 2 will be offered during the 2015-16 school year and Child Development 1 will be offered during the 2016-17 school year.**

Child Development

Child Development classes provide students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school 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.

CHILD CARE 1 & 2

NCES: 19051
Grade: 10-12
Semester: 1

Formerly: EARLY CHILDHOOD ENVIRONMENTS, INTERNSHIP

Prerequisite: Two of the following classes: FAMILY LIVING, CHILD DEVELOPMENT 1 or 2; or instructor approval.

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

Child Care

Child Care courses provide students with knowledge about the physical, mental, emotional, and social growth and development of children from birth through childhood. Main topics include the fundamentals of working with infants, toddlers, and older children; providing healthy environments; evaluating child care settings; and the practices, regulations, and opportunities in the child care industry. Often, Child Care courses provide students with practical experience in a child care center. Advanced topics may include various learning theories; development of activities; operation of a child care center; recognition of childhood diseases, abuse, and neglect; and first aid/emergency training.

CHILD DEVELOPMENT/PARENTING

NCES: 22204
Grade: 9-12
Semesters: Full Year

Formerly: PARENTING NOW

Prerequisite: Counselor placement

Course Note: This is a recommended course for all student parents or parents to be. This class may be repeated for credit with instructor's approval.

Child Development/Parenting

Child Development/Parenting courses provide students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age. In addition, these courses help students discover how parents should respond to the various stages of childhood. Course content typically includes topics such as prenatal and birth processes; responsibilities and difficulties of parenthood; fundamentals of children's emotional and physical development; and the appropriate care of infants, toddlers, and young children.

CLOTHING/SEWING

NCES: 22205

Formerly: CREATING PERSONAL FASHION/DESIGN

Grade: 9-12

Semester: 1

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

Clothing/Sewing

Clothing/Sewing courses introduce students to and expand their knowledge of various aspects of wearing apparel, sewing, and fashion. These courses typically include wardrobe planning; selection, care, and repair of various materials; and construction of one or more garments. They may also include related topics, such as fashion design, fashion history, the social and psychological aspects of clothing, careers in the clothing industry, and craft sewing.

FOOD & NUTRITION

NCES: 22202

Formerly: INTRODUCTION TO CULINARY ARTS

Grade: 9-12

Semester: 1

Fees: \$15

Food and Nutrition

Food and Nutrition courses provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, experience in the proper use of equipment and utensils, and background on the nutritional needs and requirements for healthy living. This class places a heavier emphasis on the nutritional components of a balanced diet, and concentrates on specific types of food preparation. This course may present career opportunities in the food service industry, and will emphasize both home and career-related food preparation.

PERSONAL DEVELOPMENT/MFMC/STARS

NCES: 22209

Formerly: MY FUTURE, MY CHOICE (MFMC/STARS)

Grade: 11-12

Semester: 1

Prerequisite: Instructor approval

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

Personal Development

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. These courses may also have a substance-abuse prevention component.

RESTAURANT, FOOD, & BEVERAGE SERVICES-COMPREHENSIVE 1, 2, 3 & 4

NCES: 16052

Formerly: CULINARY ARTS 1 and 2, sections A, B, C & D

Grade: 10-12

Semester: 1

Fees: \$15

Prerequisite: FOOD & NUTRITION

Course Note: Class sections 1 & 2 will be offered in the 2015-16 school year and class sections 3 & 4 will be offered in the 2016-17 school year.

This program requires four semesters for certification. No sequence requirements.

Restaurant, Food, and Beverage Services—Comprehensive

Restaurant, Food, and Beverage Services—Comprehensive courses provide students with knowledge and skills related to commercial and institutional food service establishments. Course topics range widely, but usually include sanitation and safety procedures, nutrition and dietary guidelines, food preparation (and quantity food production), and meal planning and presentation. Restaurant, Food, and Beverage Service courses may include both "back-of-the-house" and "front-of-the-house" experiences, and may therefore also cover reservation systems, customer service, and restaurant/business management.

INDUSTRY & ENGINEERING

INTRODUCTION TO ENGINEERING DESIGN (PLTW 1)

NCES: 21001

Grade: 9-11

Semester: Year long

Fees: \$15

Introduction to Engineering Design

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. This is the first course of the *Project Lead The Way (PLTW) Pathway to Engineering* curriculum. In PLTW Engineering, 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.

PRINCIPLES OF ENGINEERING (PLTW 2)

NCES: 21002

Grade: 10-12

Semester: Year long

Fees: \$15

Prerequisites: Introduction to Engineering Design or CAD Design

Principles of Engineering

Description: Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. This is the second course of the *Project Lead The Way (PLTW) Pathway to Engineering* curriculum. In PLTW Engineering, 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.

CAD DESIGN & SOFTWARE 1 & 2

NCES: 21107 Formerly: COMPUTER ANIMATION; CAD

Grade: 9-12

Semester: 1

Prerequisite: Courses must be taken in sequence.

Course Note: Cad Design & Software 2 may be repeated for credit.

Up to 3 PCC Dual Credits are available for CAD 1

CAD Design and Software

CAD 1- Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course), CAD Design and Software courses introduce students to Autodesk/Inventor the Computer-Aided Drafting software that is widely use in real world applications.

CAD 2- This is a project class; students may use CAD software, Animation software, CNC software, or 3-D print projects. Students must be self motivated and be able to manage their project from concept to finished product.

ROBOTICS

NCES: 21009 Formerly: ENGINEERING AND METALS

Grade: 9-12

Semester: 1

Prerequisite: Beginning Level Class

Course Notes: Students will have the opportunity to build an electrical/mechanical device. This class may be repeated for credit with instructor's approval.

Robotics

Robotics courses develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

LANGUAGE ARTS

ENGLISH/LANGUAGE ARTS 1 (9TH GRADE)

NCES: 01001 Formerly: ENGLISH 9; FRESHMAN HUMANITIES

Grade: 9

Semesters: Full Year

English/Language Arts I (9th grade)

English/Language Arts I (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 Formerly: AMERICAN HUMANITIES; AMERICAN LITERATURE; ENGLISH 10; WORLD LITERATURE

Grade: 10

Semesters: Full Year

English/Language Arts II (10th grade)

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims 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 can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

ENGLISH/LANGUAGE ARTS 2/ADV LIT (10TH GRADE)

NCES: 01002 Formerly: SOPHOMORE LITERATURE SEMINAR; ADVANCED AMERICAN LITERATURE;

Grade: 10 ADVANCED WORLD LITERATURE

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 II (10th grade)

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims 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 can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

ENGLISH/LANGUAGE ARTS 3 (11TH GRADE)

NCES: 01003 Formerly: AMERICAN LITERATURE; CONTEMPORARY LITERATURE SEMINAR; ENGLISH 11;

Grade: 11 WORLD LITERATURE

Semesters: Full Year

English/Language Arts III (11th grade)

English/Language Arts III (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 Formerly: CONTEMPORARY LITERATURE SEMINAR; ENGLISH 12

Grade: 12

Semesters: Full Year

English/Language Arts IV (12th grade)

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

AP ENGLISH LANGUAGE & COMPOSITION

NCES: 01005

Grade: 11-12

Semesters: Full Year

Materials Fee: AP test \$91

Course Notes: College level course work; summer reading assignments TBA; Students are expected to take AP test.

AP English Language and Composition

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, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes.

AP ENGLISH LITERATURE & COMPOSITION

NCES: 01006

Grade: 11-12

Semesters: Full Year

Materials Fee: AP test \$91

Course Notes: College level course work; summer reading assignments TBA; Students are expected to take AP test.

AP English Literature and Composition

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

Formerly: JUNIOR and SENIOR SHAKESPEARE

Grade: 11-12

Semesters: Full Year

Course Notes: College level course work; summer reading assignments TBA; Students are expected to take AP test.

Up to 8 PCC Dual Credits may be available

Literature of an Author

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on a particular author and his or her work. Students determine the underlying assumptions and values within the selected works; compare techniques, styles, and themes of the author; and reflect upon the time period in which the author lived. Oral discussion is an integral part of literature courses, and written compositions are often required.

LANGUAGE ARTS-OTHER

LANGUAGE ARTS LABORATORY

NCES: 01009 Formerly: LANGUAGE ARTS FOUNDATIONS

Grade: 9-12

Semester: 1

Prerequisite: Counselor placement

Course Note: This class may be repeated for credit with instructors approval. This class does not fulfill an NHS language arts requirement; elective credit will be issued

Language Arts Laboratory

Language Arts Laboratory courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great 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.

PUBLICATION PRODUCTION/YEARBOOK

NCES: 11104 Formerly: YEARBOOK

Grade: 10-12

Semesters: Full Year

Prerequisite: Instructor consent

Course Notes: 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

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

MATHEMATICS

GENERAL MATH

NCES: 02002

Formerly: BENCHMARK MATH

Grade: 9

Semesters: Full Year

Prerequisite: Teacher placement

Course Note: This class earns elective credit.

General Math

General Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

ALGEBRA 1

NCES: 02052

Grade: 9-12

Semesters: Full Year

Course Note: Tutorial/Math may be required.

Algebra I

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

INFORMAL GEOMETRY

NCES: 02071

Grade: 9-12

Semesters: Full Year

Prerequisite: Instructor recommendation

Informal Geometry

Informal Geometry courses emphasize a practical approach to the study of geometry and de-emphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

GEOMETRY

NCES: 02072

Grade: 9-12

Semesters: Full Year

Course Note: Tutorial/Math may be required.

Geometry

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

ALGEBRA 2

NCES: 02056

Grade: 9-12

Semesters: Full Year

Prerequisite: Algebra 1 and Geometry

Course Note: Tutorial/Math may be required.

Algebra II

Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

PROBABILITY AND STATISTICS

NCES: 02201

Grade:11-12

Semesters: Full Year

Prerequisite: Algebra 1 & Geometry

Materials: Graphing Calculator TI-83 or TI-84 required

Course Note: This class fulfills OUS/NSD math requirements

Probability and Statistics

Probability and Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

TRIGONOMETRY/MATH ANALYSIS

NCES: 02105

Formerly: FUNCTIONS, STATISTICS & TRIGONOMETRY

Grade: 11-12

Semesters: Full Year

Prerequisite: Algebra 2

Trigonometry/Math Analysis

Covering topics of both Trigonometry and Math Analysis, these courses prepare students for eventual work in calculus. Topics typically 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

Grade: 10-12

Semesters: Full Year

Prerequisite: Algebra 2 with an A or B; Trigonometry (formerly Functions, Statistics or Trigonometry); or instructor consent;
PCC placement test score for MA111

Up to 10 PCC Dual Credits are available

Pre-Calculus

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

AP STATISTICS

NCES: 02203

Grade: 11-12

Semesters: Full Year

Prerequisite: Algebra 2; AP test \$91

Materials: Graphing Calculator TI-83 or TI-84 required

Course Note: Students are expected to take AP test.

Up to 9 PCC Dual Credits are available

AP Statistics

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.

INTEGRATED MATH

NCES: 02061

Grade: 12

Semesters: Full Year

Prerequisite: Algebra 1 & Geometry

Course Note: This class fulfills OUS/NSD math requirements

Integrated Math

Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. The multi-period sequence of Integrated Math replaces the traditional Algebra I, Geometry, Algebra II sequence of courses.

CALCULUS

NCES: 02121

Grade: 11-12

Semesters: Full Year

Prerequisite: Pre-Calculus

Up to 9 PCC Dual Credits are available

Calculus

Calculus 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).

TUTORIAL/MATH

NCES: 22005

Formerly: Math Lab

Grade: 9-12

Semesters: Full Year

Course Note: This class earns elective credit of either Pass or Fail and may be a requirement in all General Math and Algebra I classes.

Counselor Placement

Tutorial

Tutorial courses provide students with the assistance they need to successfully complete their coursework. Students may receive help in one or several subjects.

NATURAL RESOURCE SCIENCES

AGRIBUSINESS MANAGEMENT

NCES: 18201

Grade: 10-12

Semesters: Full Year

Up to 3 Linn-Benton Community College Credits are available

Agribusiness Management

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural 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 agricultural industry.

AGRICULTURE AND NATURAL RESOURCES-COMPREHENSIVE

NCES: 18003

Formerly: ECOLOGICAL PRINCIPALS OF PLANT & ANIMAL SCIENCE

Grade: 10-12

Semesters: Full Year

Up to 7 Linn-Benton Community College Credits are available

Agriculture and Natural Resources—Comprehensive

Agriculture and Natural Resources—Comprehensive courses cover a wide range of topics concerning agriculture and natural resources, including plant and animal science, production, and processing; environmental science and conservation; ecology; agricultural mechanics; agricultural construction; business operations and management; and the careers available in the agricultural/natural resources industry. They may also include topics such as chemical and soil science, forestry, agricultural marketing, and veterinary science.

AGRICULTURAL LEADERSHIP

NCES: 18203

Formerly: LEADERSHIP DEVELOPMENT IN AGRICULTURE

Grade: 9-12

Semesters: Full Year

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

Bureau of Labor Tractor Operator's Permit training is available.

Agricultural Leadership

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.

AGRICULTURE MECHANICS & EQUIPMENT 1 & 2

NCES: 18402

Formerly: AG MECHANICS 1 and 2

Grade: 9-12

Semester: 1

Prerequisite: Courses must be taken in sequence.

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

Agriculture Mechanics and Equipment

Agriculture Mechanics and Equipment courses provide students with the engineering and power technology principles, skills, and knowledge that are specifically applicable to the agricultural industry. Typical topics include the operation, maintenance, and repair of power, electrical, hydraulic, and mechanical systems.

PARTICULAR TOPICS IN ANIMAL SYSTEMS

NCES: 18106 Formerly: SMALL ANIMAL SCIENCE

Grade: 9-12

Semester: 1

Course Note: This class earns elective credit only.

Particular Topics in Animal Systems

This course examines specific topics related to animal care and management, production, or processing, such as equine training or animal waste management, rather than provide a general study of animal care and the systems related to their growth and management. Species include: birds, rabbits, dogs, cats, bees and exotic small animals.

Up to 4 Linn Benton Community College Credits are available

VETERINARY SCIENCE

NCES: 18105

Grade: 9-12

Semester: 1

Course Note: This class earns elective only.

Veterinary Science

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.

EQUINE SCIENCE

NCES: 18104

Grade: 11-12

Semester: 1

Prerequisite: Biology; Agriculture & Natural Resources-Comprehensive or Particular Topics in Animal Systems.

Course Note: This class earns elective credit only.

Equine Science

Equine Science courses focus on the care and management of horses. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study.

GENERAL HORTICULTURE

NCES: 18052

Formerly: INTRODUCTION TO HORTICULTURAL SCIENCE

Grade: 9-12

Semester: 1

Course Note: This course satisfies .5 NHS science credit.

Up to 4 PCC Dual Credits are available

General Horticulture

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, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design.

ORNAMENTAL HORTICULTURE

NCES: 18053

Formerly: GREENHOUSE

Grade: 10-12

Semester: 1

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

Ornamental Horticulture

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 greenhouses and on the floristry industry.

OTHER PROGRAMS

CAREER EXPLORATION/ADVISORY

NCES: 22151 Formerly: ADVISORY

Grade: 9-12

Semesters: Full Year

Course Note: Pass/Fail earning .25 credit per year

Career Exploration

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 training options careers. These courses expose students to various sources of information on career and and may also assist them in developing job search and employability skills.

EDUCATION–WORKPLACE EXPERIENCE

NCES: 19198 Formerly: CADET TEACHING

Grade: 11-12

Semester: 1

Prerequisite: Counselor/School to Career Specialist placement, must have own transportation.

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

Education—Workplace Experience

Education—Workplace Experience courses provide students with work experience in fields related to education. Goals are typically 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.

EDUCATION–OTHER/TUTOR

NCES: 19199 This includes: ILC, LIFE SKILLS, MATH, PEER or SMALL SCHOOL PEER TUTOR; PE STUDENT LEADER

Grade: 10-12

Semester: 1

Prerequisite: Instructor approval

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

Education—Other

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

LEADERSHIP

NCES: 22101 Formerly: STUDENT LEADERSHIP

Grade: 9-12

Semester: 1

Prerequisite: Application process.

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

Leadership

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

OFFICE AIDE/MEDIA CENTER

NCES: 22051

Grade: 10-12

Semester: 1

Prerequisite: Librarian's consent/application

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

Office Aide

Media Center aides handle check-out of materials to students and staff, shelving of materials, and a variety of other tasks. Some Media Center aides may also get involved in computer set-up and maintenance across campus.

OFFICE AIDE/OFFICE

NCES: 22051

Formerly: AIDE CAREER CENTER; AIDE MAIN OFFICE; AIDE SMALL SCHOOL; KITCHEN AIDE
AIDE LIBRARY

Grade: 11-12

Semester: 1

Prerequisite: Staff signature/ approval

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

Office Aide

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, recordkeeping, receiving visitors, and answering the telephone.

OFFICE AIDE/TEACHER

NCES: 22051

Formerly: AIDE TEACHER

Grade: 11-12

Semester: 1

Prerequisite: staff approval

Course Notes: Pass/Fail; This class may be repeated for credit with instructor's approval.

Office Aide

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, recordkeeping, receiving visitors, and answering the telephone.

PERFORMING ARTS

CHORUS/MEN

NCES: 05110

Formerly: MEN'S CHOIR

Grade: 9-12

Semesters: Full Year

Materials Fee: Students purchase a Cardigan Sweater and Tie and wear a white dress shirt, black dress pants and black dress shoes. Approx. cost \$ 55 (Financial assistance available based on need.)

Prerequisite: No experience necessary

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

Chorus

Men's choir teaches students to develop their voices as tenor, baritone and bass singers, singing chant to Do-wop, classical to musical theater. Learning targets cover how to sing with good tone, expand the singing range, read music, work as a team and appreciate music from all over the world.

CHORUS/WOMEN

NCES: 05110

Formerly: WOMEN'S CHOIR

Grade: 9-12

Semesters: Full Year

Materials Fee: \$15 Choir Robe dry cleaning fee

Prerequisite: No experience necessary

Course Notes: Level 1. Public performances expected. Class may be repeated for credit with instructor's consent. Members wear a robe provided by the school

Chorus

Women's choir teaches students to develop their voices as soprano, mezzo-soprano and alto singers, singing world music to Do-wop, classical to musical theater. Learning targets cover how to sing with good tone, expand the singing range, read music, work as a team and appreciate music from all over the world.

CHORUS/CONCERT

NCES: 05110

Formerly: CONCERT CHOIR

Grade: 9-12

Semesters: Full Year

Course Notes: Level 2. Public and festival performances expected. Class may be repeated for credit with instructor's consent. Members wear a robe provided by the school

Prerequisite: Men's/Women's Choir or Audition with Choir Director

Fees: \$15 Choir Robe dry cleaning fee

Chorus

A choir for mixed voices, members sing world music, classical and musical theater. Learning targets cover intermediate tone production, diction, languages, expansion of the singing range, working as a team and the examination and appreciation of intermediate level choral music.

CHORUS/SYMPHONIC

NCES: 05110

Formerly: SYMPHONIC CHOIR

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

Semesters: Full Year

Materials Fee \$15 Choir Robe dry cleaning fee

Prerequisite Audition required, OSAA academic eligibility enforced

Course Notes: Level 3. Public and festival performances expected. Class may be repeated for credit with instructor's consent. Members wear a robe provided by the school.

Chorus

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 TRL 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.

VOCAL ENSEMBLE (VocalPoint)

NCES: 05111

Semesters: Full Year

Grades: 10-12

Course Notes: Level 4. Public and festival performances expected. Class may be repeated for credit with instructor's consent. Women purchase a black tea-length dress, Men purchase a tuxedo vest ensemble

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

Fee: \$50 Uniform Fee. (Financial assistance available based on need.)

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.

MUSIC APPRECIATION

NCES: 05118

Semester: 1 Semester/.5 Fine Arts Credit

Grades: 9-12

Level: Level 1

Prerequisite: None

Students learn about the history of music from the beginning to current trends in music. Particular focus on understanding the roots of popular music through the study of all Western Music.

MUSIC THEORY

NCES: 05113

Grade: 9-12

Semesters: Semester

Music Theory

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.

AP MUSIC THEORY

NCES: 05114

Grade: 11-12

Semesters: Full Year

Prerequisite: 2 Years of music ensemble strongly suggested.

AP Music Theory

AP Music Theory courses are designed to be equivalent of a first-year music theory college course as specified by the College Board. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students who already possess performance-level skills.

CONCERT BAND

NCES: 05102

Grade: 9-12

Semesters: Full Year

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

Course Notes: Level 1; Public performances are expected.

Concert Band

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.

CONCERT BAND/SYMPHONIC

NCES: 05102 Formerly: SYMPHONIC BAND

Grade: 10-12

Semesters: Full Year

Prerequisite: Concert Band or Instructor consent

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

Concert Band/Symphonic

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.

CONCERT BAND/WIND

NCES: 05102 Formerly: WIND ENSEMBLE

Grade: 10-12

Semesters: Full Year

Prerequisite: Audition Required, OSAA Academic Eligibility Enforced

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

Fees: Uniform Fee \$50 (Financial assistance available based on need.)

Concert Band/Wind

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.

CONTEMPORARY BAND/JAZZ

NCES: 05105 Formerly: JAZZ BAND

Grade: 9-12

Semesters: Full Year

Course Notes: Level 1, Public Performances are Expected, May be repeated with Instructor consent

Contemporary Band

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.

CONTEMPORARY BAND/JAZZ ENSEMBLE

NCES: 05105 Formerly: JAZZ ENSEMBLE

Grade: 10-12

Semesters: Full Year

Prerequisite: Audition Required

Contemporary Band

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/STRINGS

NCES: 05104 Formerly: STRING ENSEMBLE

Grade: 9-12

Semesters: Full Year Prerequisite: Audition or instructor consent

Course Notes: Public performances are expected.

Materials Fee: \$50 for Uniform. (Financial assistance available based on need.)

Orchestra

Orchestra courses are designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles.

GUITAR

NCES: 05108

Grade: 9-12

Semesters: 1-2

Materials Fee: \$15

Guitar

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.

INSTRUMENTAL ENSEMBLE/PERCUSSION

NCES: 05106

Formerly: PERCUSSION ENSEMBLE

Grade: 9-12

Semesters: 1st Semester only

Materials Fee: \$15

Instrumental Ensemble

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.

DRAMA-ACTING/PERFORMANCE

NCES: 05055

Formerly: THEATER II

Grade: 9-12

Semester: 1

Prerequisite: Introduction to Theater or instructor consent.

Drama—Acting/Performance

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.

EXPRESSIVE MOVEMENT

NCES: 05003

Formerly: STAGE MOVEMENT

Grade: 9-12

Semester: 1

Expressive Movement

Expressive Movement courses help develop students' ability to move expressively, without an emphasis on particular dance forms or on developing specific dance techniques.

INTRODUCTION TO THE THEATER

NCES: 05051

Grade: 9-12

Semester: 1

Introduction to the Theater

Introduction to the 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 rather than 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.

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/Aerobics 1, Fitness/Conditioning Activities/Personal Training for Women, 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 five Tier 1 classes. All students must purchase a PE uniform-cost is \$15.

Required:

➤ Physical Education

Pick one (1) of the following:

➤ Fitness/Conditioning Activities/Aerobics 1

➤ Fitness/Conditioning Activities/Personal Training for Women

➤ Recreational Sports 1

➤ Team Sports 1

➤ Weight Training 1

FITNESS/CONDITIONING ACTIVITIES/AEROBICS 1 & 2

NCES: 08005

Formerly: BEGINNING and ADVANCED AEROBICS AND FITNESS

Grade: 9-12

Semesters: 1-2

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

Course Notes: May be repeated for credit

Fitness/Conditioning Activities

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. This aerobics class is designed to focus on daily fitness and cardiovascular health. An emphasis will be placed on choreographed fitness routines, a variety of strength exercises, and step aerobics for students who want to be physically active.

FITNESS/CONDITIONING ACTIVITIES/PERSONAL TRAINING FOR WOMEN

NCES: 08005

Formerly: PERSONAL TRAINING FOR WOMEN

Grade: 9-12

Semesters: 1-2

Course Notes: May be repeated for credit.

Fitness/Conditioning Activities/Weight Training for Women

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.

PHYSICAL EDUCATION

NCES: 08001

Formerly: LIFETIME ACTIVITIES

Grade: 9-12 (9th grade recommended)

Semester: 1

Physical Education

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.

RECREATIONAL SPORTS 1 & 2

NCES: 08004

Formerly: BEGINNING and ADVANCED OUTDOOR RECREATION

Grade: 9-12

Semesters: 1-2

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

Recreation Sports

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

Formerly: BEGINNING and ADVANCED TEAM SPORTS

Grade: 9-12

Semesters: 1-2

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

Team Sports

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.

WEIGHT TRAINING 1 & 2

NCES: 08009

Formerly: BEGINNING and ADVANCED WEIGHTS & CONDITIONING

Grade: 9-12

Semesters: 1-2

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

Weight Training

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/athlete. Emphasis will be placed on Olympic weightlifting, strength development, speed and agility, with conditioning to maximize their physical potential.

SCIENCE

PHYSICAL SCIENCE

NCES: 03159

Grade: 9

Semesters: Full Year

Satisfies Physical Science graduation requirement.

Physical Science

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

BIOLOGY

NCES: 03051

Grade: 10-12

Semesters: Full Year

Satisfies Life Science graduation requirement.

Biology

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.

CONCEPTUAL CHEMISTRY

NCES: 03105

Grade: 11-12

Semesters: Full Year

Materials fee: \$15

Prerequisite: Biology & Algebra I

Conceptual Chemistry

Conceptual Chemistry courses are practical, non-quantitative chemistry courses designed for students who desire an understanding of chemical concepts and applications. This chemistry class is for students who are interested in learning the essential skills of chemistry through projects and practical applications and who do not plan to go into a medical or scientific field of study.

CHEMISTRY

NCES: 03101

Formerly: CHEMISTRY 1-2; CHEMISTRY CONCEPTS; CHEMISTRY STUDIES

Grade: 10-11

Semesters: Full Year

Materials fee: \$15

Prerequisite: Biology

Satisfies Physical Science graduation requirement.

Chemistry

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. Chemical formulas and equations and nuclear reactions are also studied.

MARINE BIOLOGY

NCES: 03005

Grade: 10-12

Semesters: Full Year

Prerequisite: Biology

Marine Science

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.

PARTICULAR TOPICS IN CHEMISTRY/FORENSICS

NCES: 03108 Formerly: FORENSIC SCIENCE
Grade: 11-12
Semesters: Full Year
Prerequisite: 2 Years of lab science (Biology & Chemistry Recommended)
Materials Fee: \$15

Particular Topics in Chemistry

Particular Topics in Chemistry courses concentrate on a particular subtopic within the field of chemistry (such as chromatography and spectrometry) that is not otherwise described in this classification system. Forensic Science is the application of scientific principles to the law. The course includes analysis of evidence found at a crime scene including: Fingerprinting, trace evidence, bloodstain patterns, DNA, and documents.

ANATOMY & PHYSIOLOGY

NCES: 03053 Formerly: ADVANCED HUMAN BIOLOGY
Grade: 11-12
Semesters: Full Year
Prerequisite: Biology and Chemistry
Materials Fee: \$20

Approved Advanced course for Honors Diploma.

Anatomy and Physiology

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.

PHYSICS

NCES: 03151
Grade: 10-12
Semesters: Full Year
Prerequisite: Alg. 2 is strongly suggested (student may be concurrently enrolled in Alg. 2)

Approved advanced course for Honors Diploma.

Satisfies Physical Science graduation requirement.

Physics

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 the basic concepts of physics.

PARTICULAR TOPICS IN BIOLOGY/OREGON ECOLOGY

NCES: 03063 Formerly: OREGON ECOLOGY
Grade: 11-12
Semesters: Full Year
Material Fee: Lab/Field trip fee may be charged for 3 day field trip
Prerequisite: Biology

Up to 2 OIT Dual Credits are available

Particular Topics in Biology

Particular Topics in Biology courses concentrate on a particular subtopic within the field of biology (such as botany, zoology, genetics, and so on) that is not otherwise described within this classification system.

AP PHYSICS 1

NCES: 03155

Grade: 11-12

Semesters: Full Year

Materials Fee: AP test \$91

Prerequisite: Algebra 2

Course Notes: Students are expected to take AP test.

Approved advanced course for Honors Diploma.

Satisfies Physical Science graduation requirement.

AP Physics 1

AP Physics 1 courses are designed by the College Board to parallel college-level physics courses that provide a systematic introduction to the main principles of physics and emphasize problem solving without calculus. This Algebra based course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits.

AP CHEMISTRY

NCES: 03106

Grade: 11-12

Semesters: Full Year

Materials Fee: \$15, AP test \$91

Prerequisite: Chemistry and Algebra 2

Course Notes: Students are expected to take AP test.

Approved advanced course for Honors Diploma.

Up to 10 Chemistry Dual Credits from OIT are available.

AP Chemistry

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; nuclear chemistry; states of matter; and reactions (stoichiometry, equilibrium, kinetics, and thermodynamics). AP Chemistry laboratories are equivalent to those of typical college courses.

ASTRONOMY

NCES: 03004

Grade: 11-12

Semesters: 1 semester

Prerequisite: 2 years of science and Algebra 2 (may be taken concurrently) or by instructor consent

Astronomy

Astronomy courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomic instruments and typically explore theories regarding the origin and evolution of the universe, space and time.

GENERAL HORTICULTURE See page #29

NCES: 18052

Formerly: INTRO TO HORTICULTURAL SCIENCE

ORNAMENTAL HORTICULTURE See page #29

NCES: 18053

Formerly: GREENHOUSE

SECOND LANGUAGE

FRENCH 1

NCES: 06121

Grade: 9-11

Semesters: Full Year

French I

Designed to introduce students to French language and culture, French I 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

Grade: 10-12

Semesters: Full Year

Prerequisite: French 1; earning a "C" or better is highly recommended

French II

French II courses build upon skills developed in French I, 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

Grade: 11-12

Semesters: Full Year

Prerequisite: French 1 & 2, earning a "C" or better is highly recommended or instructors consent

French III

French III 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

Grade: 12

Semesters: Full Year

Prerequisite: French 1, 2 & 3, earning a "C" or better is highly recommended or instructors consent

French IV

French IV 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

Grade: 9-11

Semesters: Full Year

German I

Designed to introduce students to German language and culture, German I 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

Grade: 10-12

Semesters: Full Year

Prerequisite: German 1, earning a "C" or better is highly recommended

German II

German II courses build upon skills developed in German I, 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).

GERMAN 3

NCES: 06203

Grade: 11-12

Semesters: Full Year

Prerequisite: German 1 & 2, earning a "C" or better is highly recommended or instructor consent

German III

German III 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

Grade: 12

Semesters: Full Year

Prerequisite: German 1, 2 & 3, earning a "C" or better is highly recommended or instructor consent

German IV

German IV 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

Grade: 9-11

Semesters: Full Year

Spanish I

Designed to introduce students to Spanish language and culture, Spanish I 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

Grade: 10-12

Semesters: Full Year

Prerequisite: Spanish 1, earning a "C" or better is highly recommended

Spanish II

Spanish II courses build upon skills developed in Spanish I, 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

Grade: 11-12

Semesters: Full Year

Prerequisite: Spanish 1 & 2, earning a "C" or better is highly recommended or instructor consent

Spanish III

Spanish III 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.

SPANISH 4

NCES: 06104

Grade: 12

Semesters: Full Year

Prerequisite: Spanish 1, 2 & 3, earning a "C" or better is highly recommended or instructor consent

Up to 4 PCC Dual Credits are available

Spanish IV

Spanish IV 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

Formerly: HERITAGE SPANISH 1/ 2, 3/ 4

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

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 U.S. HISTORY

NCES: 04103 Formerly: AMERICAN HUMANITIES; AMERICAN STUDIES
Grade: 10-11
Semesters: Full Year

Modern U.S. History

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
Grade: 11-12
Semesters: Full Year
Materials Fee: AP test \$91
Course Notes: College level course work; summer reading assignments TBA; Students are expected to take AP test.

AP U.S. History

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.

MODERN WORLD HISTORY

NCES: 04053 Formerly: FRESHMAN HUMANITIES; GLOBAL STUDIES; WORLD STUDIES
Grade: 9-11
Semesters: Full Year

Modern World History

Modern World History courses provide an overview of the history of human society through the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments.

AP EUROPEAN HISTORY

NCES: 04056
Grade: 11-12
Semesters: Full Year
Materials Fee: AP test \$91
Course Notes: College level course work; summer reading assignments TBA; Students are expected to take AP test.

AP European History

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 Formerly: GOVERNMENT
Grade: 12
Semester: 1

U.S. Government—Comprehensive

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.

AP GOVERNMENT & POLITICS

NCES: 04157

Formerly: AP GOVERNMENT

Grade: 11-12

Semesters: Full Year

Materials Fee: AP test \$91

Course Notes: College level course work; summer reading assignments TBA; Students are expected to take AP test.

AP U.S. Government and Politics

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

Grade: 12

Semester: 1

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

NCES: 04254

Grade: 11-12

Semester: 1

Psychology

Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

SOCIOLOGY

NCES: 04258

Grade: 11-12

Semester: 1

Sociology

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.

LEGAL SYSTEM

NCES: 04165

Formerly: GOVERNMENT, THE LAW, AND YOU and STREET LAW

Grade: 11-12

Semester: 1

Legal System

Legal System courses examine the workings of the U.S. criminal and civil justice systems, including providing an understanding of civil and criminal law and the legal process, the structure and procedures of courts, and the role of various legal or judicial agencies. Although these courses emphasize the legal process, they may also cover the history and foundation of U.S. law (the Constitution, statutes, and precedents). Course content may also include contemporary problems in the criminal justice system.

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.

STUDY SKILLS/LRC

NCES: 022003 Formerly: Core Studies
Grade: 9-12
Semesters: Full Year
Prerequisite: Case Manager placement
Course Note: Letter Grade, A-F

Study Skills

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.

STRUCTURED WORK EXPERIENCE

HUMAN SERVICES-WORKPLACE EXPERIENCE

NCES: 19998 Formerly: SWE 1
Grade: 11-12
Semesters: 1-2
Prerequisite: Counselor placement
Course Notes: Pass/Fail

Human Services—Workplace Experience

Human Services—Workplace Experience courses provide students with work experience in a field related to the provision of human services. Goals are typically 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.

CAREER EXPLORATION/INTERNSHIPS

NCES: 22151
Grade: 11-12
Semesters: 1, may be repeated for credit
Course Notes: Application Process, must have own transportation; Pass/Fail

Career Exploration

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.

T.A.G. (Talented and Gifted)

Students who are identified as T.A.G. and/or students who wish to pursue intensive study in a particular content area will have the opportunity to be mentored by the T.A.G. coordinator. Through this mentorship, students can explore topics not offered at Newberg High School and/or gain a deeper understanding of particular topics. Students can meet with the T.A.G. coordinator during the school day or at pre-arranged location.

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.