

NESTUCCA High School



COURSE GUIDE

2022-2023

PLANNING YOUR HIGH SCHOOL PROGRAM

This catalog is designed to provide the important information students and parents need to plan schedules for the upcoming year. It includes course descriptions, graduation requirements and information intended to assist with life goals and career decisions.

There are electives students can choose to take. These electives may be used to explore interests as well as gain information in one area. We encourage students to take a variety of courses which will keep their career options open.

Some courses have proven to be particularly useful:

1. Math and computer courses are important to take in our technical age, and can open up many options in the employment world. Students are required to complete 3 years of math (Algebra I and higher) in order to graduate.
2. Science courses also offer many career options. Students are required to complete 3 years of science.
3. Foreign languages provide communication skills valuable in countless situations. Such skills prove to be assets in our competitive job market, and all state public colleges require completion of two years of a second language passed (with a C- or better) as part of their entrance requirements. Students who are already proficient in two languages can waive this requirement.

When selecting classes, seek the advice of parents, counselors and teachers before making final choices; they can help students interpret requirements and match various career and educational possibilities. If post-high school plans include college, pay particular attention to the entrance requirements of the schools in which you are most interested. Most Oregon colleges currently require a 2.75 - 3.25 GPA for admission and entrance into branches of the military require a high school diploma. Because college and military recruiters look at both grades and participation in a variety of extra-curricular activities, students who earn good grades and participate in various extra-curricular activities have more opportunities and options available to them when they complete high school.

Students--plan a *meaningful* and *realistic* high school program. Your strengths, interests and tentative post-high school plans should give you direction in this process. Attempt to neither underestimate yourself nor to select courses beyond your ability. The key is to maintain a balance between courses which are challenging and those in which success comes relatively easy. Most of all, don't hesitate to ask questions of those who can and want to help you.

Each person has a unique set of skills and abilities. Our wish is to assist all students as they grow and expand their knowledge.



Ken Richwine
Principal

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COLLEGE REQUIREMENTS

The Oregon State System of Higher Education has established course requirements for students who will attend state universities. The successful completion of the following high school courses will be required for admittance to a state university in Oregon.

ENGLISH

Four years of high school shall include the study of the English language, literature, speaking, listening and writing, with emphasis on frequent practice in writing expository prose during all four years.

SECOND LANGUAGE

High School and College Credit Options

1. Two years of the same high-school level second language, or
2. C- or higher in the third year of high school-level second language, or
3. Two quarters or semesters of college-level second language with a grade average of C- or better.

MATHEMATICS

Three years of high school mathematics study shall include first-year algebra and two additional years of college preparatory mathematics selected from geometry (deductive or descriptive), advanced topics in algebra, trigonometry, analytical geometry, finite mathematics, advanced applications, calculus, probability and statistics or courses that integrate topics from two or more of these areas. (One unit is highly recommended in the senior year. Algebra and geometry taken prior to ninth grade will be accepted.)

SCIENCE

Three years of high school science courses shall include a year each of physical science and biology and a third year of a science elective such as chemistry, animal science, forensic science, ocean science or anatomy and physiology.

SOCIAL STUDIES

Three years of high school social science credits shall include one year of U.S. History, one year of World Geography and one year of Government/ Economics.

Current high school grade point entrance requirements for state universities are as follows:

Oregon State University, 3.00
University of Oregon, 3.00
Portland State University, 2.5
Western Oregon University, 3.00
Southern Oregon University, 2.50
Eastern Oregon University 2.75
Oregon Institute of Technology, 2.5

Grade point expectations may be changed by the university or institute.

The grading standards used at NJSHS are as follows:

Grade	Percent
A	90% + Superior work & proficiency
B	80% + Above-average work & proficiency
C	70% + Average work & proficiency
D	60% + Below-average work & proficiency
F	59% - Unacceptable work & lack of proficiency
P	70% + Passing grade in pass/no pass courses
NP	69% - No-pass grade in pass/no pass courses
INC	Incomplete is assigned when course work is not complete.
NG	No Grade indicates that no credit has been given for the course.
NY	Does not yet meet proficiency.

HIGH SCHOOL DIPLOMA

THE GOAL

Each student demonstrates the knowledge and skills necessary to transition successfully to their next steps: advanced learning, work and citizenship.

DIPLOMA REQUIREMENTS

CREDIT REQUIREMENTS

Subject Areas*	Nestucca Diploma	Oregon Diploma	Modified Diploma
English/Language Arts	4	4	3
Mathematics	3 of Algebra 1 and above*	3	2
Science	3* ♦	3	2
Social Sciences	3	3	2
Fitness	1	1	1
Health	1	1	1
Fine and Applied Arts Career Credit	4 (Fine Arts and 1 Career Ed)	3	1
Electives	6	6	12
Total Credits	26	24	24

* Applied and integrated courses aligned to standards can meet credit requirements.

♦Lab experiences can take place outside of the school in field-based experiences.

ESSENTIAL SKILLS

The state requires that all students must demonstrate that they are proficient in certain “essential skills” – skills that are deemed critical for future success – before they are awarded the diploma. The Essential Skills are process skills which enable students to learn content and apply their knowledge across disciplines. These are not new or additional skills; they are embedded in existing content standards, already being taught in Oregon schools.

COLLEGE CREDIT OPPORTUNITIES

Nestucca High School students have some great opportunities to earn college credits while attending high school. Two ways of earning college credits while still in high school are described below.

I. Dual Credit Classes

We offer a variety of courses that include the option of earning both high school and college credit at the same time. Our instructors have to meet the qualifications that the colleges require of its instructional staff and have to meet the college's academic standards of course design. Students simply enroll in the courses during the scheduling sessions each year, and the instructors will explain the requirements of earning the college credit and how to be sure they are enrolled in the community college for those credits. Students need to be at least 15 years old or above (unless they are granted special permission by the college) to enroll in the college credit option. See the high school student advocate for more information. Courses currently offered for Dual Credit are **Animal Science, Environmental Science, Health Occupations** (includes Medical Terminology, Biology 100, and more). We also offer **Writing 121, 122, and English 104 (Intro to Lit: Fiction)** for dual credit for students in their senior year as an option to the traditional English 12 course. **Our College and Career Student Advocate can show students how those credits apply toward a variety of college degrees.**

2. Expanded Options Classes

NVSD desires to offer a well-rounded program for its students. To that end, the district may be able to pay for a limited number of courses from alternative sources that are generally not available at the high school. The provisions of this policy are not intended to assist students recovering credits from courses they previously failed. This policy is subject to the following provisions:

- ◆ To qualify for payment for approved alternative courses, the student must meet qualifications to be a full-time student for the entire year. Payments for courses are made upon documentation of successful completion of the course with a passing grade of "C" or higher.
- ◆ Successful completion of a college course, worth three or more college credits, will be equivalent to .50 high school elective credit. Students wishing to use college courses to supplant required high school courses must complete a two-term college sequence to attain one high school credit. Approved high school online or correspondence courses will be awarded credits on a one-for-one basis.
- ◆ Permission to enroll in any college or high school classes must be obtained from the principal and counselor prior to enrollment.
- ◆ When deciding whether or not to approve alternative course work, school officials may bring the following factors into consideration: grade level of student; quality of previous academic work; student goals and career planning; NHS course offerings; demonstrated ability of student to work independently; and quality of the course under consideration, and/or accreditation of the institution offering the course.

Nestucca Valley School District (NVSD) will pay all or part of the costs of college courses as follows:

- ◆ For full time students, NVSD will pay all the costs for the first class, (tuition-fees-books-lab fees), and the tuition costs only for the second class in a given school year.
- ◆ Any additional classes during the same school year will be at the student's expense.
- ◆ Generally, NVSD does not pay for classes taken during the summer.
- ◆ Classes below college level, anything below MTH 95 or WR 121, are not paid for by the school district. Check with the student advocate if you have questions.
- ◆ Also, if a student does not pass a Pathways course, i.e., he or she receives an F or NP, he or she will be responsible to pay NVSD back the full amount that the school district paid.

ENGLISH LANGUAGE & LITERATURE

(#01001) ENGLISH 9

REQUIRED (Language Arts Credit)

Open to Grade 9

This course is a general survey of the Language Arts, including writing, literature, high school survival skills, grammar, and vocabulary. Students will be introduced to and work with a variety of fundamental reading and writing styles, and literary techniques, while developing personal skills in each area. These skills will be built on throughout the student's high school experience.

(#01002) ENGLISH 10

REQUIRED (Language Arts Credit)

Open to Grade 10

English 10 continues to build on the student's Language Arts skills in reading, writing, and speaking. The course will focus on writing development with an introduction to World Literature and literary analysis. Students will develop the ability to read critically, analyze a text, and share their understanding through a variety of forms. Throughout the course students will also be challenged to reflect upon their place in the world and how we shape, and are shaped by, society.

(#01003) ENGLISH 11

REQUIRED (Language Arts Credit)

Open to Grade 11

Throughout the school year, we will be improving our reading, writing, listening and editing skills with the help of various types of texts: our textbook, novels, and non-fiction works will be used.

Students will learn about major movements in American Literature and how they both reflect and influence the times they represent.

We will use the textbook *Collections 11*, along with novels and supplemental materials to build the above skills through the scope of American Literature. Some of the major works we will likely read all of or a portion of are: *The Great Gatsby*, *The Catcher in the Rye*, *The House on Mango Street*, and *The Crucible*.

(#01103) WRITING 121/122 – ENGLISH COMPOSITION 1 AND ENGLISH COMPOSITION II

COMMUNITY COLLEGE COURSE

(Language Arts or Elective Credit)

Open to Grade 12

Develop skills in analytical reading, critical thinking, and expository and persuasive writing. Students compose several essays using a variety of strategies to present evidence in support of a thesis. This course is taught at our high school campus. To enroll in any college course, students must meet entrance requirements set by the college. Fulfills fourth year English requirement.

(#01053) ENGLISH 104 – INTRODUCTION TO FICTION

COMMUNITY COLLEGE COURSE

(Language Arts or Elective Credit)

PREREQUISITE: Successful completion of WR121

Open to Grade 12

Explores various forms of fictional prose, increases understanding of the conventions of fiction and various forms of storytelling, and encourages exploration of the diversity of human experience. This course is taught at our high school campus. To enroll in any college course, students must meet the entrance requirements set by the college.

(#01008) ENGLISH LANGUAGE DEVELOPMENT

(Elective Credit)

Open to Grades 9-12

The design of this course is to help close the gap between what an English as a Second Language Learner's ability is and what they need to know to succeed academically. The course will expose students to the English language via

syntax, grammar, vocabulary, pronunciation, and social norms and usage. It will provide explicit instruction in advanced uses of English to support students in expressing complex thinking in core-curriculum course work. The focus is to support students in making gains towards a proficiency score on the annual English Language Proficiency Assessment (ELPA21) and for application on statewide examinations at the end of their junior year.

(#01101) COMPOSITION

(Elective Credit)

Open to Grades 9-12

In Composition class students will work on improving writing skills through a variety of methods, including exploring descriptive, narrative, and imaginative writing modes. Basic essay structure will be emphasized and students will gain the necessary skills needed to meet the Oregon Essential Skills assessment which is required of all high school graduates. This fulfills half of the fourth year Language Arts requirement.

(#01156) APPLIED ENGLISH AND COMMUNICATIONS

(Elective Credit)

Open to Grade 12

Applied English and Communications courses teach students communication skills--reading, writing, listening, speaking--concentrating on "real world" applications. These courses usually emphasize the practical application of communication as a business tool--using technical reports and manuals, business letters, resumes, and applications as examples--rather than emphasize language arts skills as applied to scholarly and literary materials. This fulfills half of the fourth year Language Arts requirement.

(#01065) LITERATURE APPRECIATION

(Elective Credit)

Open to Grades 10 to 12

Dependent upon student interest. On a quarterly or semester-long basis, this class will focus on a particular genre, type of literature, or literary era. Some examples could be the following: Fantasy, African Literature, American Romantic era, poetry reading and writing, comedic literature and performance, etc. Fulfills half of fourth year English requirement. This fulfills half of the fourth year Language Arts requirement.

(#01151) COMMUNICATIONS 111

(Elective Credit)—semester class

Open to Grades 10-12

Communications 111 provides instruction and practice in applying the principles of invention, organization, language, and delivery with a focus on the development of skill and confidence in formal communication. This course is accepted at most universities and colleges as a Comm 111 credit (4 University credits through WOU), which is the required speech class credit for most degrees. This fulfills half of the fourth year Language Arts requirement.

(#01069) MYTHOLOGY

(Elective Credit)

Open to Grades 10 to 12

In this course, we will explore the ancient world through the stories and religions they used to describe their world. We will build a foundation off the Ancient Greek/Roman mythology before moving on to different regions, continents, and time periods. Examples of other mythologies explored in this class will include, but not be limited to, the following: Norse mythology, Arthurian legends, Egyptian religion, Mesoamerican beliefs, as well as others. Fulfills half of fourth year English requirement.

MATHEMATICS

(#02052) ALGEBRA 1

REQUIRED (Math Credit)

Open to Grades 9-12

Students will focus on solving multi-step equations, inequalities and formulas; work towards mastery of rational number operations and using a calculator when appropriate. Students will also be introduced to linear equations and functions including slope formulas and graphing.

(#02072) GEOMETRY

REQUIRED (Math Credit)

*PREREQUISITE: Algebra I
Open to Grades 9-12*

This course is an investigative/hands-on approach for the student to learn basic terminology and concepts of geometry. Topics include: properties of shapes, polygons and circles, area, volume, constructions, congruence, Pythagorean Theorem, radicals, and proportions

(#02058) ALGEBRA 1.5

(Math Credit)

*PREREQUISITE: Algebra I
Open to Grades 9-12*

For students who have completed Algebra I but would like more in-depth study into monomials, polynomials, solving equations, application of equations and formulas, using slope in transformations.

(#02056) ALGEBRA 2

(Math Credit)

*PREREQUISITE: Algebra I & Geometry
Open to Grades 10-12*

Topics in this course include Smarter Balanced Assessment review, absolute value, algebraic inequalities, quadratic equations, functions, exponents and logarithms, polynomials, series and sequences, trigonometry, and if time permits, matrices.

MTH 95

Introduces algebraic concepts and processes with a focus on exponents, polynomials, rational expressions, radicals, and complex numbers. Real life application problems are solved using systems of equations. Graphs, formulas and proper mathematical language and notation are emphasized throughout the course. A scientific calculator is required. To register for this class, choose Pathways #999201. See Student Advocate for more information.

MTH 111

Explores relations and functions graphically, numerically, symbolically, and verbally. Examines polynomial, rational, inverse, exponential, and logarithmic functions. Investigates applications from a variety of perspectives. To register for MTH 111, you must choose Pathways #999201. See the Student Advocate for more information.

(#02110) PRE-CALCULUS

(Math or Elective Credit)

PREREQUISITE: Algebra 2

Open to Grades 11-12

Students will study functions, statistics, probability, matrices, proofs and trigonometry, conic sections and sequences and series. Graphic calculators and/or computers will be used regularly to enforce and enhance the concepts presented.

(#02154) BUSINESS MATHEMATICS

(Math or Elective Credit)

Open to Grades 9-12

Students will apply general math computations, statistics, data and finance to a variety of business related situations. Applications might include wages, start-up costs, dollars to cents, rates, payroll deductions, credit and debit spreadsheets, financial reports and interest on savings and money market accounts.

(#02157) CONSUMER MATH

(Math or Elective Credit)

Open to Grades 9-12

In this course, students use math in real-world scenarios including wage calculation, discounts, taxes, percent calculations, budgeting, managing money, using credit cards and short term loans and measurement.

LIFE AND PHYSICAL SCIENCES

(#03159) PHYSICAL SCIENCE

REQUIRED (Science)

Open to Grades 9-10

Students will understand the process by which scientists gain knowledge and will become familiar with using the metric system in making observations. Students learn the structure and properties of matter and will explore atomic structure, radioactivity, and nuclear power. Students learn some of the basics of how atoms combine during chemical reactions, explore the laws of motion, and learn how forces affect motion. Students apply these principles to simple machines, will study the nature of waves, sound, and light, and will discover how science relates to themselves and to society. In this class, students will be doing "hands on" experiments and a science research project. Students have the option to take a challenge test and sidestep the actual class. The student won't receive the credit, but will be able to move onto other science classes.

(#03214) FORENSIC SCIENCE

(Science or Elective Credit)

Open to Grades 11-12

Forensic Science focuses on the skills and concepts behind physical aspects of crime scene investigation and forensic science. Whether students desire to be crime scene investigator, forensic pathologist, or some other medical scientist, this course will help them hone their investigative skills and review a wide range of science concepts. Students will review physics, chemistry, anatomy, cell biology, environmental science and computer science in the process of learning about forensic science.

(#03101) CHEMISTRY

(Science or Elective Credit)

Open to Grades 11-12

Chemistry is the science that examines what matter is made of and the changes that occur in matter. It will enable students to understand the nature of matter, chemical formulas, chemical equations and chemical reactions. Students will relate the structure of atoms to chemical bonding and the periodic table of the elements and will understand the properties of gases, acids, bases and salts. Students learn what affects the rate of chemical reactions and chemical equilibrium. Experiments are very important and students will learn how to form hypotheses, collect data, use laboratory hardware and draw conclusions. We will be able to relate these chemical principles to the chemistry occurring in the world around them in areas such as water quality, air quality, climate, conserving chemical resources, and nuclear chemistry.

(#03003) ADVANCED ENVIRONMENTAL SCIENCE

(Science or Elective Credit)

Open to Grades 11-12

Students will develop an understanding of environmental topics that are primarily biological in nature. Concepts covered include ecosystems, biodiversity, earth processes, and organismal physiology, and population dynamics. The associated laboratories will illustrate these topics. Students enrolled in this course have the option to earn college credit!

(#18002) AGRICULTURAL SCIENCE

(Science or Elective Credit)

Open to Grades 9-12

This course is designed to expose students to different facets and sciences related to the agriculture industry. Students will gain knowledge and apply scientific principles in animal science, plant science, food science, natural resource, and forestry.

(#18004) AGRICULTURAL BIOLOGY

REQUIRED (Science)

Open to Grades 10-12

This course emphasizes the concepts and inter-relationships among organisms through the lens of agriculture. These concepts include cellular biology, respiration, genetics, evolution, DNA, biotechnology, ecology and natural resources. This course meets Biology academic content standards and fulfills a science credit to meet graduation requirements.

(#18347) AGRICULTURAL AND SCIENCE INDEPENDENT STUDY COURSES

(Science or Elective Credit)

Open to Grades 11-12

This course is an independent study option for students wishing to take an in-depth look at some aspect of physical or biological sciences. The content, expectations, requirements, and assignments associated with this course will vary between students depending on the student's individual area of study and will be agreed upon by the student and instructor. In most cases, this course will be centered around a science research project or preparations for other science-related competitions. Due to the independent nature of this course, admission into the class will be at the discretion of the instructor.

(#18101) ANIMAL SCIENCE

(Science or Elective Credit)

Open to Grades 9-12

The students will develop an understanding of the role of livestock in agriculture (US and Global). The course will introduce concepts and principles of animal agriculture including animal nutrition, behavior, reproduction, and animal based commercial products as well as practical commercial applications, such as ration formulation. Labs and field trips will provide opportunities to gain practical knowledge and retention of material. Students enrolled in this class have the opportunity to earn college credit.

(#18052) HORTICULTURE

(Science or Elective Credit)

Open to Grades 10-12

This course is designed to introduce students to the many aspects of applied plant science/botany. Students will learn skills related to classification and identification of plants, plant growth and reproduction, propagation, plant nutrition, horticulture technology, plant disease, plant pests, and functions of plants in ecosystems. Students enrolled in this class have the opportunity to earn college credit.

(#18203) AGRICULTURE LEADERSHIP

(Science or Elective Credit)

Open to Grades 10-12

A foundational course for leadership development. In this course you will become familiar with foundational leadership ideas including relevant leadership theories, styles, approaches, traits, ethics, conflict management, and change. For each topic we will build upon theories to help you apply the concepts to your everyday life and leadership. Examines content related to leadership traits, styles, and effective leadership tactics. An introductory course designed to create awareness and develop the employability skills necessary for participants to be productive contributors in their school, home, community and profession. Students enrolled in this class have the opportunity to earn college credit.

SOCIAL SCIENCES AND HISTORY

(#04001) WORLD GEOGRAPHY

REQUIRED (Social Science Credit)

Open to Grade 10

In this class students will become aware of the relationships that exist between people of different nations around the world. Students learn geographic concepts and locations and learn how geography has an effect upon the development of different societies. Students study different regions of the earth and the cultures which exist there. This study examines political structure, history, economics, geography and a social comparison of the various nations. Students study religion, traditions, way of life, transportation and how different nations approach similar problems.

(#04058) ANCIENT CIVILIZATIONS

(Elective Credit)

Open to Grade 10-12

This course will focus on early human civilizations such as Mesopotamia, Egypt, Greece, and Rome. We will also study the development of Judeo-Christian and Islamic civilizations, the Byzantine Empire, and the early medieval period.

(#04064) CURRENT EVENTS

(Elective)

Open to Grade 10-12

Students will study the relationships between peoples of the world by becoming aware of current issues facing modern societies. They will study world events, leaders, geography, politics and other happenings through the use of taped television programs, movies, newspapers, magazines, lectures, guest speakers and field trips. Students will be required to be knowledgeable about current world, national and local events and problems and will be expected to participate in discussing current information issues.

(#04101) U.S. HISTORY

REQUIRED (Social Science Credit)

Open to Grade 11

This course will focus on U.S. history in the 20th century. Students review the early years of nation building, then explore how our nation has come to our current position of world leadership. Emphasis will be placed on the expanding role of America in 20th Century events such as the two World Wars, the Cold War, and others. Also attention will be paid to the social history of the nation, including the struggle for minority rights, and to a study of individuals important in events of this time. Students complete a term paper, a book review and other projects in addition to traditional lectures, films, group activities, and other projects. Possible Dual-Credit option with TBCC.

(#04151) GOVERNMENT/ECONOMICS

REQUIRED (Social Science Credit)

Open to Grade 12

In the **government** portion of this course, students will develop an understanding of the documents upon which the U.S. governing system rests. The Declaration of Independence, U.S. Constitution and Bill of Rights will be studied in order to determine both literal and implied meanings. This course will trace the evolution of American society as it pertains to governing principles at the national level. Students will become aware of the responsibilities of being a citizen in a democratic country. The U.S. Government will be compared/contrasted to the governments of other countries. An emphasis will be placed on current events and modern problems.

In the **economics** unit, students will study the basic economic concepts and how they relate to the individual, to the nation, and to the world. Students will understand the concepts of scarcity and how the world's economic systems have evolved to deal with specific issues. Students will study the laws of supply and demand and their impact on the individual.

FINE AND APPLIED ARTS

(#05056) STAGECRAFT

(Fine and Applied Arts or Elective Credit)

Open to Grades 9-12

Do you like hands-on learning? Stagecraft is a course that gives students the opportunity to learn how to design, plan and operate equipment for a theatrical production. Stagecraft is the technical aspect of theatrical, film, and video production. It includes constructing and rigging scenery, hanging and focusing of lighting, design and obtaining costumes, makeup, gathering of props, stage management, and recording and mixing of sound. Stagecraft class will support the drama productions at Nestucca through crafting sets, lighting design, sound production and other technical aspects needed for plays and musicals.

(#05101) BAND

(Fine and Applied Arts or Elective Credit)

Open to Grades 9-12

Band students will advance in performing on musical instruments as well as learn how to use instruments more proficiently. They will perform a variety of music styles, including jazz, pop, rock, classical, and Broadway.

Performance opportunities for these various styles will be in the fall concert, holiday special performances, Pep Band, festivals, the musical, Music Ala Carte, and the Spring Concert. Ensemble and solo performance opportunities are available for advanced players.

(#05110) CHOIR

(Fine and Applied Arts or Elective Credit)

Open to Grades 9-12

Choir students will learn how to use their voices for singing in a group. They will learn techniques for optimum vocal performance. Music-reading skills will be taught for beginning and intermediate singers. Many kinds of music will be performed, focusing on the strengths of the group. Performance opportunities for various styles will be in the fall concert, holiday special performance trips, and the Music Ala Carte show. The spring musical is emphasized as a large part of the Nestucca Choir experience. Students may have larger character parts, cast parts, or be involved backstage, depending upon students' skills and desire. Solo performance opportunities are available for advanced singers.

(#05116) WORLD MUSIC

(Elective Credit)

Open to Grades 9-12

This course explores the ways that music is both shaped by and gives shape to the cultural settings in which it is performed, through studying selected musical traditions from around the world including Africa, the Americas, Europe, Asia, and Oceania. Specific folk songs will be examined closely through listening, cultural instruments and music analysis, and hands-on instruction. The syllabus centers around weekly listening assignments and readings, supplemented by hands-on workshops, and virtual concerts by master musicians from around the world.

(#05154) VISUAL ART FOUNDATIONS

(Fine and Applied Arts or Elective Credit)

Open to Grades 9-12

Visual Art Foundations is an exploration of basic 2 & 3 dimensional art using various techniques and mediums. This class is for students who are eager to participate, love a challenge, and are interested in developing basic art skills. This course may cover drawing, acrylic & watercolor painting, ceramics, photography, sculpture, printmaking, and digital art. In addition to learning about the elements and principles of art and design, we will work to start small and steadily improve observational skills, problem solve, and have fun! No previous art experience necessary. Students may repeat this class. Due to the variation of projects and materials, the fee for this class is \$20.00. Scholarships are available; you can pick up an application in the office.

(#05170) ART INDEPENDENT STUDY

(Fine and Applied Arts or Elective Credit)

Open to Grades 10-12 or with teacher permission

**Visual Art Foundation is a prerequisite to this course*

Independent Study offers students the opportunity to focus on his or her own interests. Students choose to create custom projects by their own design, and will have control over the medium, idea, and timeline of which the artwork is created. Students who demonstrate having advanced skills and/or taken at least one Visual Art class with Miss Leja can be placed into this section. Students should take this course if they are looking to hone a skill or spend more time learning a specific medium. Areas of focus in this section include painting murals, wheel throwing, anatomical drawing study & sculpture, ceramics, and multi-media work. Due to the variation of projects and materials, there is a \$20.00 materials fee. Scholarships are available; you can pick up an application in the office.

(#24052) INTRO TO SPANISH

(Fine and Applied Arts or Elective Credit)

Open to Grades 9-12

For beginning speakers of Spanish, Spanish 1 is designed to teach students the fundamentals of the Spanish language and assist students with being more successful in the college-credit Spanish courses. Emphasis will be placed on oral Spanish and rapid vocabulary building. Students will learn everyday expressions and words for the common items which surround them; they will become familiar with basic verb and grammatical structures; and they will be introduced to the Spanish-speaking world through geography, music, and cultural descriptions. By the end of the course, students will be able to form a number of useful, short sentences and express their likes and dislikes, among other topics.

(#240531 AND 245032) SPANISH 2

(Fine and Applied Arts or Elective Credit)

Open to Grades 10-12

Spanish 2 is designed to expand upon the fundamentals of the Spanish language. Emphasis will be placed on oral Spanish and continued rapid vocabulary building. Students will learn common expressions and words for the common items which surround them; they will expand their understanding of verb structures, including an

introduction to the past tenses; and they will learn more about the Spanish-speaking world through geography, music, and cultural descriptions. By the end of the course, students will be able to carry on a basic conversation with other people, begin describing past events, and be better able to read and understand speakers in the second language.

(#184011) AG MECHANICS & METALS

(Fine/Applied Arts or Elective Credit)

Open to Grades 9-12

This is a course designed to familiarize the student with basic mechanical theory and skills. Students will develop skills in the areas of carpentry, electricity, metal working, and welding processes. Emphasis will be placed on safety and proper use of tools and equipment. All students may have a project and will be FFA members. This class may be repeated with teacher permission.

Term A - Emphasis on Arch Welding

Term B - Emphasis on Oxygen Acetylene Welding/Cutting

Term C - Emphasis on small projects and Intro to MIG Welding

(#184012) ADVANCED AG MECHANICS & METALS

(Fine/Applied Arts or Elective Credit)

PREREQUISITE: Ag Mechanics & Metals and Drafting/CAD

Open to Grades 10-12

This hands-on class emphasizes the building of projects in the metal shop using engineering practices taught in class. All students will get the opportunity to design projects using a computer-aided drafting program. Units of hydraulics and electricity will also be taught. All students will be members of FFA. This class may be repeated with teacher permission.

Term A – Shop Projects 1

Term B – Shop Projects 2

Term C – Shop Projects 3

(#21049) ENGINEERING PRINCIPLES

(Fine and Applied Arts, Science or Elective Credit)

PREREQUISITE: Algebra 1 and Physical Science

Open to Grades 10-12

This course is designed to give the student an overview of the different disciplines of engineering. After completion of the course, the student will know and understand the differences between Chemical Engineering, Civil Engineering, Construction Engineering, Electrical Engineering, Industrial Engineering and Mechanical Engineering. Emphasis will be placed on tensile, compression, shear and deflection forces on structural members. As an example, the students will build bridges from balsa wood after designing them on the computer. The top designers will compete at Oregon State University.

Term A – Emphasis on Dimensional Analysis, Cost Engineering in Excel, Free Fall, Projectile Motion, Vectors and Work. Class will compete in at Oregon State University in Annual Pumpkin Chunking Contest using class designed Trebuchet.

Term B – Emphasis will be placed on Tensile, Compression, Shear & Deflection Forces on Structural Members. Students will compete at annual Oregon State University Bridge Building Competition with bridges they designed on the computer and built in class from balsa wood. Top bridges can earn a chance to compete at an International Competition.

Term C – Emphasis will be on Statics and Project Design which includes Puzzle Cube, Figit Spinner, Trailer and Rocket Design.

(#21107) AUTOCAD & 3D MODELING WITH INVENTOR

(Fine/Applied Arts or Elective Credit)

Open to Grades 10-12

Drafting introduces students to the skills required in the Computer Aided Drafting (CAD) industry. Students will study mechanical & architectural drafting and be presented with design problems that vary from the simple to complex. This course utilizes popular software programs and state-of-the-art hardware used in industry.

Knowledge obtained in drafting is applied to computer drawing applications. As the course progresses, emphasis is placed upon designing, constructing and problem solving.

Term A – AutoCAD

Term B – 3D Modeling w/ Inventor

Term C – Project Design students will design, build and assemble shop projects using CAD software that the Advanced Ag Mechanics class will utilize to fabricate/construct in the shop. Students will also learn to use the EXCEL computer spreadsheets to cost-out projects that they design.

(#10004) COMPUTER LITERACY

HIGHLY RECOMMEND FOR Freshman (9th grade, Elective for 10th thru 12th grade)

(Fine/Applied Arts Credit)

Computer Applications is a basic computer class for high school users. Students will develop skills in general word processing with MS Word, desktop publishing techniques with MS Publisher, spreadsheet and data base development with MS Excel, and Power Point presentations. Students will also be using e-mail and basic Internet search techniques. Students have the option to take a challenge test. If the test is passed, students will not receive the credit, but will not be required to take the class.

(#10152) PROGRAMMING, INTRO TO CODING AND CODING

(Fine/Applied Arts Credit or Elective Credit)

Open to Grades 9-12

This course is designed to be a “gentle introduction” to the fundamentals of Computer Science. We will explore computer hardware as well as software. We begin with digital citizenship and online security. Students will build their own websites using HTML 5 and CSS. Then, before we begin writing code, we learn about algorithms and how to solve problems with them.

Students will design, write and debug computer programs. No knowledge of programming is assumed. You will be learning how to program using a system called Scratch. Scratch makes it possible to create computer programs using blocks like building with Lego. After learning basic programming fundamentals with Scratch, we will also work with C, C++, Java, JavaScript, and Python as time allows.

(#10205) VIDEO GAME DESIGN

(Fine/Applied Arts Credit or Elective Credit)

Open to Grades 9-12

Video (game) design is a class for students who have some level of experience with programming, but is primarily taught using Scratch and therefore can be completed by students who have little to no programming experience provided that they have the commitment to try their best.

This course will begin by covering the history of video game development, industry terminology, and Game Theory. Next we will discuss game documentation, developing characters and story in video games, and level/environment design. Then we will look at game structure, game mechanics, and common design theories. After that we will research game development careers, intellectual property, and ethics in video games. Lastly, students will create their own game as a capstone project. Any remaining time in the school year will be used to continue video game design practice using C#.

(#10249) 3D MODELING

(Fine/Applied Arts Credit or Elective Credit)

Open to Grades 9-12

This course is designed as an introduction to 3D modeling software. Students will use a computer and 3D modeling software such as Google Sketchup or AutoCAD to create various 3-Dimensional models that they can then print using a 3D printer.

(#21009) ROBOTICS

(Fine/Applied Arts Credit or Elective Credit)

Open to Grades 9-12

Learn about robots while working as a team to build our very own to compete in the FIRST Robotics competition! The challenge changes every year (2019/2020's challenge was stacking block-towers) and there are 4 tournaments

held at Tillamook High School. Help design and build your own robot using metal, wheels, gears, computers, and programming.

HEALTH AND SAFETY EDUCATION

(#08099) HEALTH I

REQUIRED (*Wellness Credit*)

Health education is intended to help students make informed decisions and choose positive behaviors beneficial to a low-risk, high-quality healthy life-style. The class will cover mental and emotional health, relationships, nutrition, personal care, and conflict resolution. Students will be challenged to live out what they are learning in class everyday by making positive lifestyle changes.

(#08057) HEALTH 2

REQUIRED (*Wellness Credit*)

Wellness means an overall state of well-being or total health. The class will cover basic human anatomy and physiology of the body systems. Reproductive health, the life cycle, and growth development will also be covered. The course will conclude with drug, alcohol, and disease prevention. It comes from a way of living each day that includes making decisions and choosing behaviors that are based on sound health knowledge and healthful attitudes. This understanding will prepare a solid foundation for the American Heart Association CPR/First-Aid course that concludes the semester. Once passing the written and practical exams, students may purchase a certification Heartsaver card for \$5.00. The certification is good for two years.

CAREER EDUCATION

(#12051) INTRO TO BUSINESS

(Elective Credit)

Open to Grades 10-12

The business course covers many topics ranging from economics and management to business ethics and investment strategies. Coursework will include lectures from the textbook, discussions, quizzes, and hands-on activities where students will create their own business materials.

(#12156) N.I.C.E. BREWED AWAKENINGS

(Elective Credit)

Open to Grades 9-12

Students will demonstrate knowledge of small business start-up. Students will learn the process of capital structure, investment, profit and loss, and the costs of doing business. Students will monitor ongoing inventory, track cash, balance revenue, complete documentation, and learn about labor. In addition, students will have an opportunity to work in a functioning cafe to develop work history that can earn related credit as well as a skill for their resume.

(#12167) N.I.C.E. BIKE SHOP

(Elective Credit)

Open to Grades 9-12

Students will demonstrate initial bike repair skills. Students will work on fleet bicycles or other private bicycles to develop initial skills. Initial skills will be outlined as general maintenance and cleaning, tire fixes and rotations, brake adjustments, cable replacements, wheel hub and drive-train repair and maintenance. Their skills will be identified for accuracy and timeliness.

They will be evaluated weekly or by each bicycle they complete. Students will also learn how physics ties into concepts, friction forces - fluid, rolling, sliding, and static, rotational motion, inertia and momentum, Force = mass x acceleration as well as other concepts.

(#19151T1) CADET TEACHING TRACK 1

(Elective Credit)

Open to Grades 10-12

Teacher's Aide (may include PE, music and/or library) Students will help tutor small groups or one-on-one tutoring set up by the teacher. They will also model social skills and friendship development, assist students with work completion, help with technology and equipment set-up and provide encouragement to students who need additional support in the classroom.

(#19151T4) CADET TEACHING SPED MUSIC/ARTS ACADEMY

(Elective Credit)

Open to Grades 10-12, 9th grade with teacher permission

Cadet Teaching SpEd Music class at Nestucca High will provide an opportunity to teach music to our school's living skills students. It will focus on teaching music in ways that will reinforce good behavior, staying active, assisting with transitions, encouragement, dance therapy, sign language, recognizing emotions, and teaching social skills. The Arts Academy aspect of the class (on non-teaching days) will allow students to advance their own music skills through playing guitar, piano, and other instruments. These skills will assist in the lesson plans for teaching SpEd Music.

(#22104) NESTUCCA INC.

(Elective Credit)

Open to Grades 9-12

Students in the class engage in activities that may include recycling, student store, clerical, maintenance, and care/upkeep of school grounds. Those in the class will learn appropriate job skills in order to assist in future employment opportunities, as well as service learning.

(#10995) TEACHER'S AIDE

(Elective Credit)

Open to Grades 10-12

Students assist teachers at the high school with making copies, organizing files, taking role, taking items to the office, etc. If a teacher does not have anything for the student to do, the student must stay in the classroom with the teacher and catch up on their own class work, or go to a cooperating teacher's room to help that teacher. This will not be a time to sit in the commons or wander the halls.

(#22051) OFFICE AIDE

(Elective Credit)

Open to Grades 11-12

In these classes you learn such skills as making copies, running the postage machine, handling fees, taking inventory, filing and other clerical duties. Talk to the Student Advocate if you are interested in becoming an office aide, as they require permission from the staff member you would like to work with.

(#2215191) FRESHMAN DISCOVERY

REQUIRED (0.25 Career Credit)

Open to Grade 9

Freshmen will be able to discover the variety of career fields available to them after high school graduation and will begin making plans and setting goals for the future. The class relies heavily on the Career Information System website (CIS) where students can have access to skills assessments, career interest inventories, videos, and more.

(#2215101) SOPHOMORE SURVEY

REQUIRED (0.25 Career Credit)

Open to Grade 10

Sophomores will continue the work they began their freshman year in the CIS program by updating their resumes with activities, sports, leadership, and work experiences they have had, and will also continue to refine their future goals and plans to accomplish those goals. Much attention will be devoted to understanding what kinds of training and education might be necessary for these career goals and how what they take in high school helps them in the future. Students will continue to use the different career interest survey tools and will propose what career they would like to more fully investigate as part of their Junior Career Exploration project the following year.

(#2215311) JUNIOR CAREER EXPLORATION (JCE)

REQUIRED (0.25 Career Credit)*Open to Grade 11*

Juniors will have the opportunity to interview and/or job shadow with someone who is currently employed in a career field in which the students have an interest and pull together the research and resumes they have been building in the previous Career Education courses. The year will culminate in a student project presentation demonstrate their learning about the career field, steps they have taken toward achieving this goal, and future steps they plan to take.

(#2215212) SENIOR OPTIONS & RESOLUTIONS (SOAR)**REQUIRED** (0.25 Career Credit)*Open to Grade 12*

In the (SOAR) course, seniors will be expected to choose a Career Pathway and work toward a post-high school plan. Each student will have an individualized plan of action and will be assisted with accomplishing that plan, whether the plan is to enter the wonderful world of work, to apply for an apprenticeship, to join the military, or to head off for more training or education at a community college or university.

(#22998) WEX--WORK EXPERIENCE*(Elective Credit)**Open to Grades 11-12*

Work experience is part of the student's daily course schedule. Students must provide their own transportation. In order to participate, students must be in good academic standing. If a student fails to maintain passing grades, he or she will not be able to continue in WEX the following term. Students are required to maintain a timesheet and write a biweekly summary. Credit is awarded by term and is dependent on their activities, attendance and paperwork.

(#22152) EMPLOYABILITY SKILLS*(Elective Credit)**PREREQUISITE: IEP**Open to Grades 11-12*

Students on an IEP may also earn credit through work experience (Youth Transition Program). Students spend time in the classroom learning pre-employment skills: preparing a resume, filling out job applications, developing interviewing skills, and completing interest surveys are just a few of the things that are covered. Students can then be placed within the community where they will learn job skills such as regular attendance, proper dress and grooming, and how to follow directions.

MASS COMMUNICATION

(#11104) YEARBOOK*(Elective Credit)**Open to Grades 10-12 or with teacher permission*

Students in this class are part of a team that spends the year designing, photographing, and producing the yearbook. Using Adobe Photoshop, students will learn how to design pages, manipulate photographs, write articles, and interview classmates to create custom and unique pages not pre-produced by a program. This class focuses strongly on design, though students enrolled in this class will gain experience using an SLR digital camera and image correction skills.

PHYSICAL EDUCATION

(#08001) FITNESS*(Fitness or Elective Credit)**Open to Grades 9-12*

This fitness/conditioning activities program is designed to develop total fitness: increase muscular strength, improve cardiovascular efficiency, flexibility, and agility through a variety of activities. Weight lifting will be incorporated up to four days a week to increase muscular strength and endurance. Students will be encouraged to develop self-discipline in areas outside the classroom, such as practicing good nutrition, getting enough rest, and exercising on a

regular basis. The instructor will assist in guiding, supervising, and evaluating each student's progression, emphasizing and encouraging a long-term commitment to fitness. Students will be tested in nine fitness tests each trimester. In addition, students will explore career opportunities in health/fitness management.

(#08005) ATHLETIC TRAINING

(Fitness or Elective Credit)

Open to students who are currently out for a sport in grades 9-12

This class uses the Bigger, Faster, Stronger training program. Students in the class achieve physical superiority on the playing field by focusing on the following areas of sports training and competition: rest and nutrition, flexibility training, year-round training, plyometric training, record keeping, strength training, sprint training, skill training, agility training, mental training and endurance training.

HEALTH CARE SERVICES

(#14002) HEALTH OCCUPATIONS

ELECTIVE

Open to Grades 11-12, 10th grade with permission

HEALTH OCCUPATIONS I-

Health Occupations I is a dual-credit course offered to high school students interested in pursuing a future in a health-related career. This course provides an overview of health care and the health care industry. Content covered focuses on health care concepts & skills that are applicable to all allied health care professions. The course explores career opportunities in the health professions with a focus on the educational and licensing requirements, professional and ethical responsibilities, physical requirements, workplace environment and career pathways of each profession. Students are involved in community health assessments such as school vision screenings, preschool health screenings, etc. Students also have the opportunity to be involved in Health occupation Students of America (HOSA).

HEALTH OCCUPATIONS II-

ELECTIVE

Open to Grades 11-12, 10th grade with permission

PREREQUISITE: Successful completion of Health Occupations I

Health Occupations II is a dual credit course offered to students who have completed Health Occupations I. During this course students continue career exploration through job shadow experiences with a health care professional. Areas of emphasis for this course are basic health care skills, safety, infection control, self-assessment portfolios, health education project, and emergency procedures such as First Aid and Healthcare Provider CPR/AED training. Students participate in community health assessments such as school health, vision screenings and preschool screenings etc. Additionally, students are encouraged to participate in Health Occupation Students of America (HOSA).

(#14154) MEDICAL TERMINOLOGY

ELECTIVE

Open to Grades 11-12, 10th grade with permission

This course analyzes the structure of medical words and applies this information to basic anatomy, physiology and disease processes of the human body, stressing spelling and pronunciation. Sessions cover prefixes, suffixes, root words, abbreviations, symptoms, pathophysiological conditions, and procedure terms. The course is taught by body systems and includes terminology in Radiology and Nuclear medicine.

(#14104) PHLEBOTOMY

ELECTIVE

Open to Grade 12 (students must be 18 years old to enroll)

In this course, students acquire knowledge, skills and experiences related to the drawing of blood and typically learn about such topics as infection control, sterilization practices, medical/hospital procedures and environments, diagnostic procedures, proper storage and handling of specimens and the process of drawing blood.

OTHER NESTUCCA HIGH SCHOOL EXPERIENCES

(#22004) CREDIT RECOVERY

Students who need to make up credits in order to meet graduation requirements are encouraged to enroll in Credit Recovery by meeting with the Student Advocate. Nestucca currently uses on-line courses through Acellus.

TILLAMOOK BAY COMMUNITY COLLEGE

College courses are available. Please see the Student Advocate for details on pursuing college credit or starting a Career Pathways degree.