

2015-2016 Course Catalog



Wilson Creek Junior-Senior High School

WILSON CREEK HIGH SCHOOL GRADUATION REQUIREMENTS

English	4 credits
Mathematics.....	3 credits
Science.....	2 credits
Social Studies.....	3.5 credits
Health and Fitness.....	2 credits
Arts	1 credit
Occupational Education.....	3 credits
Personal Finance.....	½ credit
Technical Writing.....	½ credit
Community Service	1 credit
Electives.....	9 credits
TOTAL	29.5 CREDITS

CLASS SCHEDULES

* Denotes graduation requirement

7th GRADE

Health and Fitness	1 credit
Shop	1
Math	1
Science	1
World History/Washington State History*	1
Language Arts	1
English	1
Electives	1

8th GRADE

Health and Fitness	1 credit
DigiTools	1
Science	1
U.S. History	1
English	1
Math	1
Reading	1
Electives	1

9th GRADE

Biology*	1 credit
Algebra I*	1
World History	0.5
Health and Fitness	1
Civics	0.5
English	1
Electives	4

10th GRADE

Science	1 credit
English	1
Geometry	1
Electives	5

11th GRADE

U.S. History	1 credit
English	1
Algebra II	1
Electives	4

12th GRADE

English	1 credit
CWP	1
Personal Finance/Technical Writing	1
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GENERAL EDUCATION

ARTS – VISUAL, MUSIC AND PERFORMING

VISUAL ARTS I

Grade Level: 9-12
Elective

Course Length: Year
Pre-Requisites: None

1.0 credit(s)

Students will explore and create projects using the basic foundation of the elements and principles of art. The class will include the Visual Arts Classroom Based Assessments. Students may have the opportunity to enter the MAC High School Art Show.

VISUAL ARTS II

Grade Level: 10-12
Elective

Course Length: Year
Pre-Requisites: Visual Arts I

1.0 credit(s)

The Advanced Visual Arts course extends the use of project based learning with the use of the elements and principles of art. Second semester advanced art students may have the option to go on contract to develop the project of their choice. Second and third year advanced visual arts students will be required to go on contract and to create a work of art to enter in the MAC High School Art Show. The class will include the Visual Arts Classroom Based Assessments.

BAND

Grade Level: 7-12
Elective

Course Length: Year
Pre-Requisites: Previous band experience

0.5 credit(s)

Band is for students who have completed at least one year of elementary band and have experience playing an instrument. It is designed to develop skills that will help students enjoy, appreciate and understand music throughout life, whether as a performer or an audience member. Students learn to work as a group towards musical goals to achieve success and achievement. Study is focused on interpretation, listening, phrasing, blend, and balance. Attendance is required at all concerts and community performances. The curriculum for this course is aligned with the Common Core Standards for the Arts.

CHORUS

Level: 7-12
Elective

Course Length: Year
Pre-Requisites: None

0.5 credit(s)

Chorus is designed to develop skills that will help students enjoy, appreciate and understand music throughout life, whether as a performer or an audience member. Students learn to work as a group towards musical goals to achieve success and achievement. The curriculum for this course is aligned with the Common Core Standards for the Arts. Study is focused on vocal production, diction, interpretation, listening, phrasing, blend, and balance. Attendance is required at all concerts and community performances.

ENGLISH AND LITERATURE

7th GRADE ENGLISH

Grade Level: 7 Course Length: Year 1.0 credit(s)
Required Pre-Requisites: None

English 7 is a year-long course where students will have the opportunity to develop their writing skills. Writing styles studied will include expository and persuasive essay as well as imaginative. Vocabulary Power Plus and Daily Oral Language activities will be included. A collaborative research paper will be assigned jointly with the social studies curriculum. A PowerPoint project and oral presentation of this paper will be required.

8th GRADE ENGLISH

Grade Level: 8 Course Length: Year 1.0 credit(s)
Required Pre-Requisites: None

English 8 is a year-long course where students will have the opportunity to develop their writing skills. Writing styles studied will include expository and persuasive essay as well as imaginative. Vocabulary Power Plus and Daily Oral Language activities will be included. A collaborative research paper will be assigned jointly with the social studies curriculum. A PowerPoint project and oral presentation of this paper will be required.

FRESHMAN ENGLISH

Grade Level: 9 Course Length: Year 1.0 credit(s)
Required Pre-Requisites: None

Freshman English is a required two-semester course that will focus on literature, writing, and grammar. Students will read a variety of literature including short stories, poems, nonfiction pieces, plays, and novels. Literary terms, such as theme and conflict, will be used to discuss and analyze literature pieces. Writing proficiency will be improved through grammar study, essay writing, and a history/English research paper and a PowerPoint presentation. Communication skills will also be emphasized in group work and presentations. Independent student reading and vocabulary power plus are also included.

SOPHOMORE ENGLISH

Grade Level: 10 Course Length: Year 1.0 credit(s)
Required Pre-Requisites: None

Sophomore English is a required two-semester course that will focus on literature, writing, and grammar. Students will read a variety of literature including short stories, poems, nonfiction pieces, plays, and novels. Literary terms, such as theme and conflict, will be used to discuss and analyze literature pieces. Writing proficiency will be improved through grammar study, essay writing, and HSPE writing skills. Reading proficiency for a variety of purposes will be emphasized. These skills will also be emphasized in group work and presentations. Independent student reading and vocabulary power plus are also included.

ENGLISH AND LITERATURE

JUNIOR ENGLISHGrade Level: 11
RequiredCourse Length: Year
Pre-Requisites: None

1.0 credit(s)

Junior English is a required two-semester course that will focus on literature, writing, and grammar. Students will read a variety of literature including novels, poems, nonfiction pieces, plays, and novels. Focus will be on essays, speeches, and other non-fiction from various time periods in American Literature. Literary terms, such as theme and conflict, will be used to discuss and analyze literature pieces. Writing proficiency will be improved through grammar study, essay writing, and two history/English research papers and a PowerPoint presentations. Communication skills will also be emphasized in group work and presentations. Independent student reading and vocabulary power plus are also included.

SENIOR ENGLISHGrade Level: 12
RequiredCourse Length: Year
Pre-Requisites: None

1.0 credit(s)

Senior English is a required two-semester course that will focus on literature, writing, and grammar. Students will read a variety of British literature including novels, poems, nonfiction pieces, plays, and novels. Literary terms, such as theme and conflict, will be used to discuss and analyze literature pieces. Writing proficiency will be improved through grammar study, essay writing, and one history/English research paper and a PowerPoint presentation. Communication skills will also be emphasized in group work and presentations. Independent student reading and vocabulary power plus are also included.

7th GRADE LITERATUREGrade Level: 7
RequiredCourse Length: Year
Pre-Requisites: None

1.0 credit(s)

In seventh grade, students are aware of their responsibility as readers. They continue to reflect on their skills and adjust their comprehension and vocabulary strategies. Students refine their understanding of the author's craft. Oral and written responses analyze and/or synthesize information from multiple sources to deepen understanding of the content. Students read for pleasure, choose books based on personal preference, topic, genre, theme, or author and take Accelerated Reader tests.

8th GRADE LITERATUREGrade Level: 8
RequiredCourse Length: Year
Pre-Requisites: None

1.0 credit(s)

In eighth grade, students integrate a variety of comprehension and vocabulary strategies. They are able to adapt their reading to different types of text. Oral and written responses analyze and/or synthesize information from multiple sources to deepen understanding of the content. Students refine their understanding of the author's craft, commenting on and critically evaluating text. Students read for pleasure, choose books based on personal preference, topic, genre, theme, or author and take Accelerated Reader tests. Historical fiction related to U.S. History is emphasized.

FOREIGN LANGUAGE

AMERICAN SIGN LANGUAGE I

Grade Level: 10-12

Course Length: Year

1.0 credit(s)

Elective

Pre-Requisites: None

Offered in even-numbered school years (2012-2013, 2014-2015); ASL II offered in odd-numbered school years

Beginning class of American Sign Language offers opportunity to learn to communication with the deaf. Finger spelling, basic vocabulary, as well as grammatical aspects of ASL will be covered. In addition, this course will provide an introduction to the deaf culture, and the psychological aspects of deafness. Active participation is required, and student activities will be videotaped daily.

AMERICAN SIGN LANGUAGE II

Grade Level: 10-12

Course Length: Year

1.0 credit(s)

Elective

Pre-Requisites: American Sign Language I

Offered in odd-numbered school years (2011-2012, 2013-2014); ASL I offered in even-numbered school years

Students will continue to work on the grammar and structure of sentences in ASL, finger spelling and vocabulary. Emphasis will be placed on developing expressive vocabulary. Students will modify stories to ASL and will sign the story. Students will communicate in ASL. Active participation is required, and student activities will be frequently recorded. Further research into deaf culture will be presented.

HEALTH AND FITNESS

7th & 8th GRADE HEALTH & FITNESS

Grade Level: 7-8

Course Length: Year

1.0 credit(s)

Required

Pre-Requisites: None

Requirements: T-shirt with sleeves, shorts or sweat bottoms, and shoes

This class is required for all 7th and 8th grade students. The goals include health concepts from the Classroom Based Assessments and the Essential Academic Learning Requirements. Units of study include nutrition, good health habits, substance abuse, decision making, conflict resolution, I messages, HIV/Aids prevention education and disease prevention. Project Alert will be used in the area substance abuse. Students will be introduced to the concepts of fitness including the principles of FITT and the Health Related Fitness Components. Fitness units may be taught in the area of games, circuit training, power walking and recreation. The Presidential Fitness Test will be given each quarter.

HEALTH & FITNESS

Grade Level: 9-12

Course Length: Year

1.0 credit(s)

Elective

Pre-Requisites: None

Requirements: T-shirt with sleeves, shorts or sweat bottoms, and shoes

The goal for this course is to provide information and working knowledge of concepts of health and fitness. Health units will include nutrition, mental health, disease prevention, HIV/Aids prevention and substance abuse including smoking, drugs and alcohol. The fitness coursework includes a basic knowledge of the Health Related Fitness Components and the Fitness Classroom Based Assessments. Students will be required to keep weight lifting charts and take the Presidential Challenge Fitness Test each quarter.

MATHEMATICS

CONSTRUCTION MATH (*Cross Reference: Agriculture Education*)

Grade Level: 11-12

Course Length: Year

1.0 credit(s)

Elective

Pre-Requisites: Algebra I, Geometry, Administrator meeting/approval

Mathematical computation/functions/concepts applied to the building trades (carpentry, concrete, insulation, electricity, welding, power mechanics, pneumatics, fluid power and land measurement). An emphasis will be placed on problem solving, figuring bills of materials and estimate of cost(s) for construction and fabrication projects.

BUSINESS STATISTICS (*Cross Reference: Business Education*)

Grade Level: 11-12

Course Length: Year

1.0 credit(s)

Elective

Pre-Requisites: Algebra I, Geometry, Administrative meeting/approval

This course focuses on the application of mathematics and statistics to the finance industry, including the development, critique, and use of various financial models. Includes instruction in probability theory, statistical analysis, numerical methods, computation and simulation methods, statistical processes, economics, financial literacy and financial markets and applications.

ACCOUNTING I (*Cross Reference: Business Education*)

Grade Level: 10-12

Course Length: Year

1.0 credit(s) CTE

Elective

Pre-Requisites: None

5.0 Tech-Prep Credits Available

There is a pre-requisite only if needed for 3rd year math

This course prepares individuals to practice the profession of accounting and to perform related business functions. Includes instruction in accounting principles and theory, financial accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting procedures, statement creation and analysis, professional standards and ethics, and applications to specific for-profit, public, and non-profit organizations.

7th GRADE MATH

Grade Level: 7

Course Length: Year

1.0 credit(s)

Required

Pre-Requisites: 6th grade math

A year-long course covering the following areas: rational numbers, solve 2-step linear equations, proportionality and similarity, surface area and volume, probability and data, reasoning and problem solving.

8th GRADE MATH

Grade Level: 8

Course Length: Year

1.0 credit(s)

Required

Pre-Requisites: 7th grade math

A year-long course covering the following areas: linear functions, equations, and graphing, measures of central tendency and lines of fit for scatter plots, simple irrational numbers, and problem solving skills to build a better foundation for work in Algebra 1.

MATHEMATICS

ALGEBRA IGrade Level: 9-12
RequiredCourse Length: Year
Pre-Requisites: 8th grade math

1.0 credit(s)

Algebra extends the arithmetic skills and concepts learned in middle school, providing a computational foundation, which is applied in Geometry and Algebra 2. Students will explore real numbers, linear equations, simultaneous equations, quadratic equations, absolute value equations, graphs, special products and factoring, and inequalities.

GEOMETRYGrade Level: 10-12
RequiredCourse Length: Year
Pre-Requisites: Algebra I

1.0 credit(s)

Geometry is an essential course for any student considering college. The course covers logic, inductive and deductive reasoning, forming proofs, congruence, similarity, polygons, construction, coordinate geometry, transformations, area, volume, special right triangles and an introduction to trigonometry.

ALGEBRA IIGrade Level: 11-12
ElectiveCourse Length: Year
Pre-Requisites: Geometry

1.0 credit(s)

This is a highly recommended course for any student planning on college or university education. The course covers real numbers, complex numbers, linear, polynomial, exponential, and logarithmic functions, transformations, and probability.

MATHEMATICS, ETC.Grade Level: 11-12
ElectiveCourse Length: Year
Pre-Requisites: Algebra I, Geometry, Algebra II, and Principal/Math Teacher Approval

1.0 credit(s)

Note: this course can be taken concurrently with Algebra II upon approval from Principal/Math Teacher

This course is presented as an exploration of mathematics. Topics of the course may include Growth Functions (populations and finance), Number Theory, Four-Dimensional Geometry, Infinite and Finite Groups, Computer Algorithms, and Non-Euclidean Geometry. This course is meant to be challenging yet accessible to students of varying math skills. This course is through the lens that math is an intellectual endeavor, a problem-solving tool, and a way of thinking about the rapidly changing world in which we live.

TRIGONOMETRYGrade Level: 12
ElectiveCourse Length: Year
Pre-Requisites:

1.0 credit(s)

Students will learn about approximate values, trigonometric identities, graphs, and equations, logarithms, vectors, complex numbers, and polar coordinates.

MATHEMATICS

PRE-CALCULUSGrade Level: 12
ElectiveCourse Length: Year
Pre-Requisites: Algebra II

1.0 credit(s)

Pre-calculus is for students who plan to enter a four-year university. The course covers mathematical reasoning, polynomial functions, inequalities, exponents and logarithms and their functions, analytic geometry, trigonometric functions and identities, complex numbers, and limits.

CALCULUSGrade Level: 12
ElectiveCourse Length: Year
Pre-Requisites: Pre-Calculus

1.0 credit(s)

A year-long course covering the following areas: rates of change of functions, derivatives and their applications, integration and related applications and the calculus of transcendental functions (inverse, logs and exponential).

SCIENCE

PHYSICAL SCIENCEGrade Level: 7
RequiredCourse Length: Year
Pre-Requisites: None

1.0 credit(s)

A laboratory science class, focusing on the Essential Learning Requirements of the State of Washington; the class provides students with a solid foundation in Physical Science while integrating the Life and Earth Sciences. Students will develop skills that they can use not only in this course but other coursework as well. Topics will include, but are not limited to: intro to matter, motion, forces, work, machines, energy, the atom, chemical bonding, electricity and wave mechanics. Class activities will use both quantitative and qualitative processes to analyze data.

LIFE SCIENCEGrade Level: 8
RequiredCourse Length: Year
Pre-Requisites: None

1.0 credit(s)

A laboratory science class, focusing on the Essential Learning Requirements of the State of Washington; the class provides students with a solid foundation in Life Science while integrating the Physical and Earth Sciences. Students will develop skills that they can use not only in this course but other coursework as well. Topics will include, but are not limited to: study of living things, cells, heredity, evolution, classification, organisms, fungi, plants, animals, ecology, human body systems and human health. Class activities will use both quantitative and qualitative processes to analyze data.

SCIENCE

BIOLOGY

Grade Level: 9	Course Length: Year	1.0 credit(s)
Required	Pre-Requisites: None	

A laboratory science class, focusing on the Essential Learning Requirements of the State of Washington; the class will place a strong emphasis on the fundamentals of Biology and problem solving skills. Topics will include, but are not limited to: fundamentals of Biology, cell biology, genetics, biotechnology, evolution, ecology, microbes, protists, fungi, plants, invertebrates, vertebrates and human biology. Class activities will use both quantitative and qualitative processes to analyze data.

GENERAL SCIENCE

Grade Level: 10	Course Length: Year	1.0 credit(s)
Required	Pre-Requisites: Biology or special permission	

A laboratory science class, focusing on the Essential Learning Requirements of the State of Washington; the class will place a strong emphasis on reviewing the main concepts of Earth, Life and Physical Science. Topics will include, but are not limited to: matter, atoms, the periodic table, chemical reactions, motion, forces, work, energy, heat, temperature, waves, human biology, planet earth and atmosphere. Class activities will use both quantitative and qualitative processes to analyze data.

PHYSICS

Grade Level: 11-12	Course Length: Year	1.0 credit(s)
Elective	Pre-Requisites: Biology, General Science and Algebra	
Offered in odd-numbered school years (2011-2012, 2014-2015)		

A laboratory science class, focusing on the Essential Learning Requirements of the State of Washington; the class will place a strong emphasis on the fundamentals of Physics and problem solving skills. Topics will include, but are not limited to: motion, vectors, forces and the Laws of Motion, work, energy, momentum, fluid mechanics, vibrations, waves, reflection, refraction, diffraction and magnetism. Class activities will use both quantitative and qualitative processes to analyze data.

ANATOMY/PHYSIOLOGY I

Grade Level: 10-12	Course Length: Year	1.0 credit(s)
Elective	Pre-Requisites: Biology or special permission	

A laboratory science class, focusing on the Essential Learning Requirements of the State of Washington; the class will place a strong emphasis on the fundamentals of Anatomy and Physiology. Topics will include, but are not limited to: Levels of human organization, the human body's support and movement, integration and coordination of human body systems, transport of fluids within body systems including absorption and excretion and the human life cycle.

This class can also be taught as an independent study course.

SCIENCE

CHEMISTRY

Grade Level: 11-12 Course Length: Year 1.0 credit(s)
Elective Pre-Requisites: Biology, General Science and Algebra
Offered in even-numbered school years (2012-2013, 2014-2015)

A laboratory science class, focusing on the Essential Learning Requirements of the State of Washington; the class will place a strong emphasis on the fundamentals of Chemistry and problem solving skills. Topics will include, but are not limited to: matter and change, measurements and calculations, atoms, electron arrangements, periodic law, chemical bonding, formulas, compounds, equations and reactions, stoichiometry, states of matter, solutions, acids and bases. Class activities will use both quantitative and qualitative processes to analyze data.

SOCIAL SCIENCES (HISTORY)

7th GRADE WORLD HISTORY

Grade Level: 7 Course Length: Semester 0.5 credit(s)
Required Pre-Requisites: None

World History is a required, one semester course covering world history and geography, Asian civilizations, African kingdoms, and Meso America. In seventh grade, students become more proficient with the core concepts in social studies. This class is focused on a continuation of world history from sixth grade as we look at the geography, civics, and economics of major societies. Each student will be expected to complete one classroom-based assessment prior to completing the course.

7th GRADE WASHINGTON STATE HISTORY

Grade Level: 7 Course Length: Semester 0.5 credit(s)
Required Pre-Requisites: None

Washington State History is a required, one semester course covering Washington state history, past and present. The second part of the year asks students to bring their understanding to their world today as they examine Washington State. This course satisfies the high school graduation requirement for Washington State History.

8th GRADE UNITED STATES HISTORY

Grade Level: 8 Course Length: Year 1.0 credit(s)
Required Pre-Requisites: None

U.S. History is a required, two semester course covering American history and government, 1783-1900. In eighth grade, students develop a new, more abstract level of understanding of social studies concepts using U.S. history and government. Students explore the ideas, issues, and events from the framing of the Constitution up through Reconstruction and industrialization. After reviewing the founding of the United States, particularly the Constitution, students explore the development of politics, society, culture, and economy in the United States to deepen conceptual understandings in civics, geography, and economics. In particular, studying the causes and consequences of the Civil War helps them to comprehend more profoundly the rights and responsibilities of citizens in a culturally diverse democracy. Each student will be expected to complete one Civics classroom-based assessment prior to completing the course.

SOCIAL SCIENCES (HISTORY)

WORLD HISTORY

Grade Level: 9	Course Length: Semester	0.5 credit(s)
Required	Pre-Requisites: None	

World History is a required, two semester course covering the Islamic civilization to the modern world. In ninth grade, students apply their deeper understanding of social studies concepts on a global scale using modern world history and geography. Students explore major themes and developments that shaped the modern world, including human rights, revolution and democracy, to develop an understanding of the roots of current world issues. Each student will be expected to complete one classroom-based assessment prior to completing the course.

CIVICS

Grade Level: 9	Course Length: Semester	0.5 credit(s)
Required	Pre-Requisites: None	

Civics is a required, one semester course in which the students will have the opportunity to gain important enduring understandings that civics teaches us about ourselves and our world. It will include examinations of why laws are necessary in a society, how the political system operates, how the three branches of government at each level interact, why the Constitution is a living document, and the rights and responsibilities of citizens. Each students will be expected to complete one classroom-based assessment prior to completing the course.

UNITED STATES HISTORY

Grade Level: 11	Course Length: Year	1.0 credit(s)
Required	Pre-Requisites: None	

United States History is a required, two semester course covering American History, 1890 to the present. In eleventh grade, students have the intellectual and social capacity to develop serious historical knowledge and perspective, geographic literacy, economic understanding, and civic wisdom and commitment using U.S. history and government. Students consider multiple accounts of events and issues in order to understand the politics, economics, geography, and history of this country from a variety of perspectives. In addition, students examine the state and national constitutions and how these documents govern the rights and responsibilities of all residents and citizens in Washington and the rest of the United States. Each student will be expected to complete two classroom-based assessments prior to completing the course.

CURRENT WORLD PROBLEMS

Grade Level: 12	Course Length: Year	1.0 credit(s)
Required	Pre-Requisites: None	

Current World Problems is a required, two semester course covering current global events and American government. In twelfth grade, students use the conceptual understandings they have developed in civics, economics, geography, and history to explore pressing issues in our world today by focusing on contemporary world issues. By applying their learning from previous years to current topics, students situate current world issues in their historical, geographic, political, economic, and cultural contexts. These graduating students will be ready to become the next decision makers and leaders of their communities, the nation, and the world. Each student will be expected to complete one Civics classroom-based assessment prior to completing the course.

ELECTIVES

ADMINISTRATIVE ASSISTANT

Grade Level: 10-12 Course Length: Semester or year 0.5-1 credit(s) CTE
 Elective Pre-Requisites: 3.0 GPA
 (9th grade students may enroll in Administrative Assistant with administrative permission.)

Students interested in enrolling in a semester-long teacher assistant position must apply for the position by filling out an application available in the office. Students will be expected to complete tasks accurately as assigned by the teacher in a given timeframe. Students must be able to work responsibly both under direct supervision and in an independent setting. TAs will also be expected to arrive to class on time with consistent good attendance and to be a positive role model for other students. This course is graded on a pass/fail basis.

ASB TREASURER

Grade Level: 10-12 Course Length: Year 1.0 credit(s)
 Elective Pre-Requisites: None

Student will be appointed ASB Secretary/Treasurer. The duties to be performed are as follows:

- Attend ASB meetings
- Collect and receipt all ASB monies
- Provide a list of bills/amounts to be approved at each ASB meeting
- Provide a list of Activity Requests from class/organizations to be approved at ASB meetings
- Work with the ASB president and ASB advisor to create the monthly agenda and distribute the agenda to the ASB membership, officers, advisor, and principal
- Provide copies of all receipts/POs to the class/organization advisor if requested
- Keep a copy of all receipts/POs on file for each class/organization
- Provide cash boxes/registers for activities and reconcile/audit the cash boxes/registers after the activities
- Keep a list of ASB membership
- Complete/collect all paperwork required to pay the bills of the classes and organizations within ASB
- Collect Activity Requests from all classes and organizations wishing to hold fundraisers/activities requiring ASB treasury activity – either the collection or disbursements of ASB funds
- Collect Activity Summaries from all classes and organizations following the completion of the fundraising/spending activities
- Collect Class/Organizational Budgets during May of each year

When the active ASB Secretary/Treasurer is a senior, there will be an Assistant ASB Secretary/Treasurer appointed. It will be the ASB Secretary/Treasurer job to train the Assistant ASB Secretary/Treasurer under the guidance of the District Business Manager and ASB Advisor.

INDEPENDENT STUDIES

Grade Level: 9-12 Course Length: Year 1.0 credit(s)
 Elective Pre-Requisites: Permission

ELECTIVES

INVESTIGATIONS

Grade Level: 10-11	Course Length: Year	1.0 credit(s)
Elective	Pre-Requisites: None	

This class is designed to provide 10th and 11th grade students with the opportunity to discuss, understand, explore, and present local, national, international, social, political, or historic issues in a respectful, meaningful, and active way. Throughout the year, students will stay up to date on current issues and trends. Topics for investigation will vary considerably depending on the particular interest of each student. Students will be challenged to defend their opinions on many different issues.

TRAFFIC SAFETY EDUCATION (Driver's Education)

Grade Level: 10	Course Length: Quarter	0.25 credit(s)
Elective	Pre-Requisites: None	

Traffic Safety Education is to not simply to prepare a 16-year-old to pass the state driver's test (as an individual may not apply for a Washington State Driver's license prior to eighteen unless he/she has successfully completed a state approved TSE course). The class covers 23 chapters in 9 weeks including 6 hours per student of drive time with the instructor. Practical, sound, and above all safe driving habits are initiated and encouraged during this driving training course. Young drivers will pick up enough bad habits on their own if and when they meet the requirements for a driver's license. Parental assistance and cooperation to give your child a good start to a safe driving future is an essential component of this course. Additional course requirements include:

- Students must qualify for and obtain Washington State Instructional permit.
- Obtain a copy of the most recent edition of the Washington State Driver's Guide.
- Pay a \$175 course fee to the school district.
- Purchase a \$10 workbook from the school district.

VEHICLE OPERATION & MAINTENANCE

Grade Level: 10	Course Length: Quarter	0.25 credit(s)
Elective	Pre-Requisites: Traffic Safety Education	

Vehicle Operation and Maintenance is a 9-week follow up course to Traffic Safety Education to reinforce basic mechanical and economic related skills associated with the safe operation, maintenance and management of vehicles and other machinery. Hands on guided practice activities related to vehicle systems, basic vehicle/machinery maintenance practices are taught in a teacher and student led format. Economic aspects of vehicle/machinery ownership (fixed costs of operation, variable costs of operation depreciation and repair are topics taught in VOM.

WORK-BASED LEARNING

Grade Level: 11-12	Course Length: Year	1.0 credit(s)
Elective	Pre-Requisites: None	

Students are placed at a cooperative learning site for a portion of the school day to explore the world of work and put into real world practice skills and concepts related to the courses(s) of study which they have followed. Repeatable for credit.

CAREER AND TECHNICAL EDUCATION

AGRICULTURE EDUCATION

Tech-Prep Credits Available:

Up to 5.0 credits of Welding or 5.0 credits of Agriculture upon completion of pre-determined criteria

HORTICULTURE I

Grade Level: 9-12
Elective

Course Length: Year
Pre-Requisites: None

1.0 credit(s) CTE

Fundamental principles and practices of plant science related to operation of a greenhouse and greenhouse crops, advertising and marketing of these crops. Group projects on landscape design/installation and agri-science facility improvements will be planned, conducted and evaluated by students. Students will be made aware of career opportunities in horticulture and related areas. Leadership is facilitated through opportunities to participate in career development events related to soils, plant science, sales/marketing and related topics.

HORTICULTURE II

Grade Level: 10-12
Elective

Course Length: Year
Pre-Requisites: Horticulture I

1.0 credit(s) CTE

Advanced concepts of plant science related to operation of a greenhouse and greenhouse crops, advertising and marketing of these crops. Group projects on landscape design/installation and agri-science facility improvements will be planned, conducted and evaluated by students. Students will be made aware of career opportunities in horticulture and related areas. Leadership is facilitated through opportunities to participate in career development events related to soils, plant science, sales/marketing and related topics.

HORTICULTURE III

Grade Level: 11-12
Elective

Course Length: Year
Pre-Requisites: Horticulture II

1.0 credit(s) CTE

Principles and practices of plant science related to operation of a greenhouse and greenhouse crops, advertising and marketing of these crops. Ag/Horticulture III students will be responsible for planning crop production schedules. A strong service learning component is included in this course as students become involved in community based as well as activities and projects related to the students chosen pathway and educational plan(s). Leadership is facilitated through opportunities to participate in career development events related to soils, plant science, sales/marketing and related topics.

BEGINNING AG MECHANICS

Grade Level: 9-12
Elective

Course Length: Year
Pre-Requisites: None

1.0 credit(s) CTE

Shop skills, safety and physical science principles are applied to real world topics of mechanical maintenance, function of use of basic shop tools and equipment. Basics of electricity, cold metal work, introduction to hot metal working and career opportunities provide application of these topics. Leadership is facilitated through class presentations and the opportunity to participate in career development events on mechanical and environmental topics.

AGRICULTURE EDUCATION

POWER MECHANICS IGrade Level: 9-12
ElectiveCourse Length: Year
Pre-Requisites: None

1.0 credit(s) CTE

Internal combustion engine theory of operation, systems, safety, troubleshooting, overhaul, drive trains and economics of repair applied to air cooled power plants. The principles of multi-cylinder and liquid cooled power plants. The principles of multi-cylinder and liquid cooled power plants; clutches, power transmitting devices and accessory systems will be introduced. Design projects incorporating other related areas (welding and fabrication), which allow students to apply skills and concepts taught in Power Mechanics I. Students will be made aware of career opportunities in power mechanics. Leadership is facilitated through opportunities to participate in career development events on power mechanics and related topics.

POWER MECHANICS IIGrade Level: 10-12
ElectiveCourse Length: Year
Pre-Requisites: Power Mechanics I

1.0 credit(s) CTE

Multi-cylinder, diesel theory, brake system overhaul, and drive systems (excluding transmissions). Design projects incorporating other related areas (welding and fabrications), which allow students to apply skills and concepts taught in Power Mechanics I. Power Mechanics I is a prerequisite. Career awareness and leadership facilitated through participation in career development events and contact(s) with trade school and community college programs related to power mechanics.

FABRICATION IGrade Level: 9-12
ElectiveCourse Length: Year
Pre-Requisites: None

1.0 credit(s) CTE

Principles of shop skills and safety in woodworking, metal working, carpentry, finishing and power mechanics are combined by students in hands on projects. Students plan projects and prepared written evaluation of completed projects. Student's career pathway educational plans are utilized to plan most appropriate project topics for fabrication students. Leadership is facilitated through opportunities to participate in career development events on shop skills and related topics.

FABRICATION IIGrade Level: 10-12
ElectiveCourse Length: Year
Pre-Requisites: None

1.0 credit(s) CTE

Taking the skills learned in Fabrication I and expanding on them through additional projects. Principles of shop skills and safety in woodworking, metal working, carpentry, finishing and power mechanics are combined by students in hands on projects. Students plan projects and prepared written evaluation of completed projects. Student's career pathway educational plans are utilized to plan most appropriate project topics for fabrication students. Leadership is facilitated through opportunities to participate in career development events on shop skills and related topics. Fabrication II is a continuation of Fabrication I with higher expectations.

AGRICULTURE EDUCATION

AGRICULTURAL SCIENCE IGrade Level: 7-12
ElectiveCourse Length: Year
Pre-Requisites: None

1.0 credit(s) CTE

Fundamentals of soils, plant science, agronomy, animal science and food science are related and applied to real world experiences in food and fiber production industry. Agricultural and environmental issues as they relate to consumer, global aspect(s) and career opportunities related to these topics. Leadership is facilitated through class presentations and the opportunity to participate in career development events outside of the classroom.

AGRICULTURAL SCIENCE IIGrade Level: 8-12
ElectiveCourse Length: Year
Pre-Requisites: Agricultural Science I

1.0 credit(s) CTE

Advanced concepts of soils, plant science, agronomy, animal science and food science are related and applied to real world experiences in food and fiber production industry. Incorporation of industry validated concepts in agricultural and environmental issues as they relate to consumer, global aspect(s) and career opportunities related to these topics. Leadership is facilitated through class presentations and the opportunity to participate in career development events outside of the classroom.

AGRICULTURAL SCIENCE IIIGrade Level: 8-12
ElectiveCourse Length: Year
Pre-Requisites: Agricultural Science II

1.0 credit(s) CTE

A course that prepares individuals to select, breed, care for, process, and market livestock and small farm animals. Includes instruction in basic animal science, animal nutrition, and animal health as applied to various species and breeds; design and operation of housing, feeding, and processing facilities; and related issues of safety, applicable regulations, logistics, and supply.

AGRICULTURE BUSINESS MANAGEMENT IGrade Level: 7-12
ElectiveCourse Length: Year
Pre-Requisites: None

1.0 credit(s) CTE

Fundamental principles and practices of livestock and crops production related to basic accounting, marketing and finance. Career awareness and leadership facilitated through participation in career development events.

AGRICULTURE BUSINESS MANAGEMENT IIGrade Level: 8-12
ElectiveCourse Length: Year
Pre-Requisites: Agriculture Business Management I

1.0 credit(s) CTE

Advanced concepts of livestock and crops production related to financial documents, marketing and finance. Career awareness and leadership facilitated through participation in career development events and interaction with community college programs related to agricultural business.

AGRICULTURE EDUCATION

WELDING I

Grade Level: 9-12
Elective

Course Length: Year
Pre-Requisites: None

1.0 credit(s) CTE

Fundamental principles of thermal cutting and welding processes, safety, set-up and use of related equipment are applied using skill and project activities. Material characteristics, design, and projects which allow students to apply skills and concepts taught in Welding I. Students are made aware of career opportunities in career related areas. Leadership is facilitated through opportunities to participate in career development events on welding/metal working and related topics.

WELDING II

Grade Level: 10-12
Elective

Course Length: Year
Pre-Requisites: Welding I

1.0 credit(s) CTE

Welding competencies set forth in the BCC Tech Prep articulation agreements. Material characteristics, design, and projects which allow students to apply skills and concepts taught in Welding I. Introduction to TIG/Heliarc processes is also part of Welding II course. Career awareness and leadership are facilitated through participation in career development events and contact(s) with trade school and community college programs related to welding.

CONSTRUCTION I

Grade Level: 7-8
Elective

Course Length: Two Semesters
Pre-Requisites: None

0.5 credit(s) CTE (STEM)

Shop skills, safety, physical and biological science principles are applied to real world topics of woodworking, function of use of basic shop tools and equipment. Basics of electricity, introduction to the transmission/control of power (force) and career opportunities provide application of these topics. Leadership is facilitated through class presentations and the opportunity to participate in career development events on mechanical and environmental topics.

CONSTRUCTION MATH I & II (*Cross Reference: Mathematics*)

Grade Level: 11-12
Elective

Course Length: Year
Pre-Requisites: Algebra I, Geometry, Administrative meeting/approval for math

1.0 credit(s) CTE

Mathematical computation/functions/concepts applied to the building trades (carpentry, concrete, insulation, electricity, welding, power mechanics, pneumatics, fluid power and land measurement). An emphasis will be placed problem solving, figuring bills of materials and estimate of cost(s) for construction and fabrication projects.

BUSINESS EDUCATION

RECORDKEEPINGGrade Level: 8-12
ElectiveCourse Length: Year
Pre-Requisites: None0.5 credit CTE, 0.5 credit Gen Ed
(No CTE credit for 8th grade)

This course starts with beginning levels of recordkeeping, bookkeeping, and accounting taught. Focus is on accuracy of addition, subtraction, multiplication, and division skills used. Students learn and apply skills to complete sales slips, operate a checking account, check credit card statements, and other simple accounting procedures. Focus of all recordkeeping will be based on the needs of a small business.

ACCOUNTING I (*Cross Reference: Mathematics*)Grade Level: 10-12
ElectiveCourse Length: Year
Pre-Requisites: None for CTE
Pre-Requisites: Algebra I, Geometry, Administrative meeting/approval1.0 credit(s) CTE or Math
5.0 Tech-Prep Credits Available

This course prepares individuals to practice the profession of accounting and to perform related business functions. Includes instruction in accounting principles and theory, financial accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting procedures, statement creation and analysis, professional standards and ethics, and applications to specific for profit, public, and non-profit organizations.

ACCOUNTING IIGrade Level: 11-12
ElectiveCourse Length: Year
Pre-Requisites: Accounting I

1.0 credit(s) CTE

An advanced course that continues to prepares individuals to practice the profession of accounting and to perform related business functions. Includes instruction in accounting principles and theory, financial accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting procedures, statement creation and analysis, professional standards and ethics, and applications to specific for profit, public, and non-profit organizations.

BUSINESS MATHGrade Level: 9-12
ElectiveCourse Length: Year
Pre-Requisites: None1.0 credit(s) CTE
5.0 Tech-Prep Credits Available

This course allows individuals to learn and apply math skills and operations to calculate discounts, mark-ups, mark-downs, verifying invoices, computing payroll, interest, and installment buying. In addition, students learn and apply skills to maintain checking accounts, maintain credit card accounts, maintain savings accounts, buy and sell stock, and compute simple and compound interest.

BUSINESS PROCEDURESGrade Level: 9-12
ElectiveCourse Length: Year
Pre-Requisites: Computer Applications I (or concurrent)

1.0 credit(s) CTE

This course prepares individuals to perform the duties of administrative assistants and/or secretaries and stenographers. Includes instruction in business communications, Word processing and data entry, office machines operation and maintenance, office procedures, public relations, filing systems and record management, and report preparation.

BUSINESS EDUCATION

BUSINESS STATISTICS (*Cross Reference: Mathematics*)

Grade Level: 11-12 Course Length: Year 1.0 credit(s) CTE or Math
Elective Pre-Requisites: Algebra I, Geometry, Administrative meeting/approval for math

This course focuses on the application of mathematics and statistics to the finance industry, including the development, critique, and use of various financial models. Includes instruction in probability theory, statistical analysis, numerical methods, computation and simulation methods, stochastic processes, economics, financial literacy and financial markets and applications.

BUSINESS COMMUNICATIONS I

Grade Level: 9-12 Course Length: Year 1.0 credit(s) CTE
Elective Pre-Requisites: None

Students will work independently and in teams to learn and master language conventions, vocabulary, following directions, editing/proofreading, goal setting, document formatting, research and documentation, and leadership skills in a variety of settings and assignments. These assignments may be written or oral, and will involve a project that requires both. Communicating for career exploration will be addressed.

PERSONAL FINANCE

Grade Level: 12 Course Length: Semester 0.5 credit(s) CTE
Required Pre-Requisites: Senior standing

This course prepares individuals to plan, manage, and analyze the financial and monetary aspects and performance for themselves/family. Includes instruction in financial institutions, making major purchases, asset and debt management, budgeting, financial analysis, and investments and portfolio management.

TECHNICAL COMMUNICATIONS

Grade Level: 12 Course Length: Semester 0.5 credit(s) CTE
Required Pre-Requisites: Senior standing

This course prepares students to fulfill the culminating project graduation requirement. Students will work independently in a cohort manner to learn and master language conventions, ethics, research and documentation, editing/proofreading, peer assessment, audience analysis, and leadership skills. These assignments may be written or oral, and will involve a project that requires both. Communicating for career exploration will be addressed. The end result of this course will be the culminating project and presentation; requirements for graduation.

FAMILY AND CONSUMER SCIENCE EDUCATION

CHILD AND HUMAN DEVELOPMENT

Grade Level: 10-12 Course Length: Semester 0.5 credit(s) CTE
Elective Pre-Requisites: none 3.0 Tech Prep credit available
Offered in even-numbered school years first semester

This course provides a first glance into the development and care of a child. Students will learn research child growth and development, learn attributes and skills needed to assume the parenting role with healthy adult characteristics. They will also learn how to nurture and care for children and evaluating skills needed to build healthy families, and learning how parents and families prepare for prenatal, birth and infant care.

TEXTILES AND APPAREL

Grade Level: 10-12 Course Length: Semester 0.5 credit(s) CTE
Elective Pre-Requisites: none
Offered in even-numbered school years second semester

This course will focus on clothing in society, textile design, fabric construction, clothing care and selection, basic garment construction and career exploration. Students will be given the opportunity to develop garment construction techniques as well as learn other types of related needlework arts.

INTERPERSONAL RELATIONSHIPS

Grade Level: 10-12 Course Length: Semester 0.5 credit(s) CTE
Elective Pre-Requisites: None
Offered in odd-numbered school years first semester

Interpersonal Relationships class provides students the opportunity to demonstrate respectful and caring relationships in the family, workplace and community. Course of study will include personal goal setting, conflict resolution skills and strategies, healthy and unhealthy relationships and development in leadership skills and standards that guide behavior.

NUTRITION AND WELLNESS

Grade Level: 10-12 Course Length: Semester 0.5 credit(s) CTE
Elective Pre-Requisites: None
Offered in odd-numbered school years, second semester

Nutrition and Wellness course focuses on the role of foods and nutrition in human health and wellness. Course of study will include concepts related to factors which influence nutrition and wellness, nutritional needs, acquiring, handling and using foods, food safety and the impact of science and technology related to foods.

TECHNOLOGY EDUCATION

DIGITOOLS

Grade Level: 9-12
Elective

Course Length: Semester
Pre-Requisites: None

0.5 credit(s) CTE
1.0-6.0 Tech-Prep Credits Available

Students will be expected to understand the concepts of file management, Internet basics/ethics/copyright laws, word processing, emerging technologies, presentation software, spreadsheets, database management, web design, scanner and digital camera fundamentals, and career exploration.

FUNDAMENTALS OF TECHNOLOGY

Grade Level: 9-12
Required

Course Length: Semester
Pre-Requisites: DigiTools

0.5 credit(s) CTE

A course that focuses on the design of technological information systems, including computing systems, as solutions to business and research data and communications support needs. Includes instruction in the principles of computer hardware and software components, databases, telecommunications, user tactics, and application testing.

8th GRADE DIGITOOLS

Grade Level: 8
Required

Course Length: Semester
Pre-Requisites: None

0.5 credit(s) CTE

Students will be expected to understand the concepts of file management, Internet basics/ethics/copyright laws, word processing, emerging technologies, presentation software, spreadsheets, database management, web design, scanner and digital camera fundamentals, and career exploration.

8th GRADE FUNDAMENTALS OF TECHNOLOGY

Grade Level: 8
Required

Course Length: Semester
Pre-Requisites: 8th Grade DigiTools

0.5 credit(s) CTE

A course that focuses on the design of technological information systems, including computing systems, as solutions to business and research data and communications support needs. Includes instruction in the principles of computer hardware and software components, databases, telecommunications, user tactics, and application testing.

COMPUTER APPLICATIONS I

Grade Level: 9-12
Elective

Course Length: Year
Pre-Requisites: DigiTools

1.0 credit(s) CTE
1.0-5.0 Tech-Prep Credits Available

This course prepares individuals to master and use computer software applications for inputting, verifying, organizing, storing, retrieving, transforming (changing, updating, and deleting), and extracting information. Includes instruction in using various types of data entry such as word processing, spreadsheets, and others. Microsoft Word, Excel, and Outlook are covered in the first year. Industry certification, or MOS testing, is possible after successful completion of Word and Excel at the Beginner or Master Levels.

TECHNOLOGY EDUCATION

COMPUTER APPLICATIONS II

Grade Level: 10-12

Course Length: Year

1.0 credit(s) CTE

Elective

Pre-Requisites: Computer Applications I

1.0-5.0 Tech-Prep Credits Available

This course prepares individuals to master and use computer software applications for inputting, verifying, organizing, storing, retrieving, transforming (changing, updating, and deleting), and extracting information. Includes instruction in using various types of data entry such as database design, presentation software and others. Industry certification, or MOS testing, is possible after successful completion of Microsoft Access and Microsoft PowerPoint, as well as advanced features of Microsoft Word and Microsoft Excel.

VISUAL COMMUNICATION

Grade Level: 10-12

Course Length: Year

1.0 credit(s) CTE

Elective

Pre-Requisites: Computer Applications I

This course will focus on career exploration in the fields of Visual Communications. Students will explore the areas that cover design, production, display, and presentation of material of all types (advertising, education, illustrative, etc.) using the media that best displays the illustration. Media includes digital photography, animation, computerized graphics, video, and methods of presentation.