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Information for Course Descriptions…

FY = Full Year Course (1 credit)
S = Semester Course (.5 credit)
Grade Levels that can take the course are indicated on title line
If Prerequisite or permission required it is indicated on the title line
WELCOME TO ROYAL HIGH SCHOOL

Royal High School is continuing a mission of building “Partnerships of parents, community and schools, who strive to graduate students who achieve the knowledge, skills, and work ethics necessary to be responsible and productive citizens, effective communicators, problem solvers and life-long learners.” In order to increase the academic achievement of students in all content areas, the district, as well as the school, has committed to maintaining a safe and productive environment to facilitate student learning through the mission…“Everyone Accountable – Everyone Achieves.”

Many of the students at Royal High School have a wide variety of activities in which they participate. The community and schools offer numerous academic and vocational activities in addition to extracurricular activities such as football, soccer, cross country, volleyball, basketball, wrestling, baseball, softball, tennis, golf, cheer, dance, music and track and field. Royal High School has demonstrated that it is an outstanding school by being named an Achievement Award Winner by Washington State in 2012-2013, a U.S. News and World Report Bronze Medal School in 2012-2013 and by being a perennial power in many of its athletic programs.

GENERAL INFORMATION

Explanation of terms

- The school year is divided into 2 semesters of 18 weeks each
- Each semester is composed of 2 quarters of 9 weeks each
- A half credit (.5) is awarded upon the satisfactory completion of each course during a semester.
- A student must meet all graduation requirements, which include earning 26 credits and the minimum number of credits in each content area identified in the following page.
- Students must also meet state assessment requirements, which include the Reading HSPE, Writing HSPE, Math EOC, Biology EOC, a high school & beyond plan, community service and a culminating project.
- HSPE stands for High School Proficiency Exam
- ECO stands for End of Course (Assessment)
- A student’s GPA (Grade Point Average) is based on final semester grades. Students receive a GPA for the semester and also will have a cumulative GPA (the grade point average of ALL high school courses).
- Students receive letter grades of A, B, C, D or F. Student Aides receive a Pass/Fail grade.
ROYAL HIGH SCHOOL
GRADUATION REQUIREMENTS

Royal students need a total of 26 credits to graduate. They must have the following minimum credit in each content area and also take the specific courses indicated. Courses are a full year (worth 1 credit), except as otherwise indicated. A semester class is worth .5 credit.

ENGLISH – 4 credits required
✓ English 9
✓ English 10
✓ English 11 (American Lit, English Lit or Contemporary Lit)
✓ English 12 (Applied Communication or Advanced Writing)

HEALTH/PE – 2 credits (.5 credit of Health and 1.5 credit of PE)
✓ Health (Semester course)
✓ PE or Weights

MATHEMATICS – 3 credits
✓ Algebra
✓ Geometry
✓ Algebra II

SCIENCE – 3 credits
✓ Physical Science
✓ Biology
✓ Additional credit in one of the following options…
   Chemistry, Anatomy/Physiology, Advanced Biology, Horticulture, Applied Ag, Environmental Science

SOCIAL STUDIES – 3.5 credits
✓ WA State History (Semester Course usually taken in 8th grade)
✓ World History
✓ U.S. History
✓ CWP

FINE ARTS – 1 credit
✓ Art or Music

OCCUPATIONAL – 1 credit
✓ Digital Communications, Office user, Intro to Ag/Applied Ag, Ag Construction, Woods, Horticulture

FUTURE LIVING – 1 credit
✓ Family Living, Child Development, Clothing, Interior Design, Foods I & II

ELECTIVE CREDITS – Total will vary
✓ Courses can be from any discipline to bring credit total to 26 more credits

In order to graduate, students must also pass the Reading HSPE, Writing HSPE, a Math EOC and the Biology EOC. Additionally, students must complete a HS and Beyond Plan, *Student Learning Project (not a requirement for Class of 2015) and a Culminating Project.
FOUR YEAR COLLEGE ADMISSIONS REQUIREMENTS

The following is what most four year colleges/universities require for admission to their institutions. In addition to the academic requirements, most require either the SAT or ACT test. Some schools require specifically one, so if you are interested in a particular school, be sure to check.

ENGLISH
 ✓ 4 credits (each credit is equal to 1 year)

MATHEMATICS
 ✓ 3 credits including Algebra, Geometry and Algebra II (Advanced Algebra)

SENIOR YEAR MATH-BASED QUANTATIVE COURSE
 ✓ Any of the above 3 math courses or pre-calculus, calculus or a math-based quantitative math course such as applied math or career or technical math or algebra-based science course

SCIENCE
 ✓ 2 credits of laboratory science. One must be algebra-based and the other must be either biology, chemistry or physics.

SOCIAL SCIENCE
 ✓ 3 credits plus WA state history

WORLD LANGUAGES
 ✓ 2 credits in the same foreign language

ARTS
 ✓ 1 credit of fine, visual or performing arts

IMPORTANT NOTE:
Students who meet Royal High School graduation requirements will have all the requirements for a four year college with the exception of two years of a foreign language. Students who are considering a four year college should be sure to take two years of foreign language, so they meet all requirements for admission to a four year college. If students are unsure about whether they will apply to a four year college, they should, if at all possible, take foreign language so they have the option to apply. Students are encouraged to discuss post high school plans with their parents, teachers and the school counselor.
Art

Art (FY) Grades 9-12

The course uses various two-dimensional art mediums as an introduction to the elements of art and the principles of design (principles of art organization). Initial drawing studies include: line and contour drawing, pencil shading, linear perspective, color shading and value with colored drawing mediums. Water-based painting mediums will be used to further student learning about the color wheel, color mixing, color value and color intensity. Students will have the opportunities to create his/her own original works with focus on the development of their personal creativity. This course satisfies a Fine Arts or an elective credit.

Independent Study Art (FY) Grades 10-12 Prerequisite: Art I and Application/Instructor Approval

The course will focus on advanced art studies; creativity through student generated visual art topics/ideas, development of individual style through two-dimensional art mediums chosen by student, and refinement of art techniques and skills. The student will begin to create a body of work suitable for his/her visual art portfolio. Instructor selected student work will participate in art shows/competitions. Independent Study Art will require a completed application form and acceptance by the instructor. This course satisfies a Fine Arts or an elective credit.

Ceramics (FY) Grades 10-12

This course is a three-dimensional ceramics study using the medium of clay to create pottery and sculpture. Students will have opportunities to create sculpture and pottery through hand-building techniques of coil, pitch and slab. Students will also have the opportunity to learn how to create pottery on the potter’s wheel. Students will apply ceramics glazing techniques to their projects and learn kiln firing processes. This course satisfies a Fine Arts or an elective credit.

Photography I (FY) Grades 10-12

This course introduces students to the art of digital photography. Students will become familiar with fundamental digital camera usage and function and the Adobe Photoshop computer program through creation of a personal portfolio of digital photographs. Students will use computers to apply Photoshop techniques to their digital images, opening new doors for their creative abilities. Course assignments are designed to further the student’s sense of composition and ability to see things as the camera lenses does by searching for and photographically recording specific types of visual images. This course satisfies a Fine Arts or an elective credit.

Independent Study Photography (FY) Grades 11-12 Prerequisite: Photography I & Application/Instructor Approval

The course will focus on student creativity behind the camera lens and with photographic art creation using the Adobe Photoshop computer program. The student will begin to develop an individual photographic style and/or subject type. The student will begin to create a body of work suitable for his/her visual art portfolio. All work will be student matted for final
presentation. Instructor selected student work will be entered in art shows/competitions. Independent Study Photography will require a completed application form and qualifications acceptance by the instructor. This course satisfies a Fine Arts or elective credit.

Art Appreciation (FY) Grades 10-12

The course will be an introduction to visual art. This textbook course will include reading, writing, testing, art concept activities, and studio art projects. Students will identify the purposes of art, understand sources of inspiration for artists, learn how to describe, analyze, interpret and form judgments about a work of art, compare and contrast various types of drawing, painting, printmaking, sculpture, craft, architectural, and technological media; understand the elements and principles of art through activities involving reading, writing and studio projects, identify and describe themes and styles in historical artworks, and understand careers in art including those in the architecture, technology and design. This course satisfies a Fine Art or elective credit.

Business Education

Accounting I (FY) Grades 11-12

Prerequisite: Keyboarding recommended but not required. Students will learn the basics of a double entry accounting system using a multi-column journal approach. The course will use both manual and computerized simulations to aid in development of skills. This course satisfies a math credit.

Accounting II (FY) Grades 11-12 Prerequisite: Accounting I

Students will spend a good portion of the semester on a computer. They will: (1) develop accounting problems, (2) use spreadsheets to solve accounting problems, (3) complete a business/marketing simulation, and (4) complete an automated system simulation. Emphasis will be on farm and small business accounting.

Digital Communication (FY) Grades 9-12

This course is designed to give the students the necessary skills and techniques to use a keyboard with speed and accuracy. The curriculum will include personal correspondence, memorandums, reports, and referencing. The first quarter is dedicated to increasing speed and accuracy, while the second quarter is used to implement the skills acquired.

Introduction to Business (FY) Grades 10-12


Office User Specialist I (FY) Grades 10-12 Prerequisite: Digital Com
This course will be taken in conjunction with Digital Communication. It will cover the basics of Word, Excel, and PowerPoint. The student will be using the first chapters in the Microsoft Office Suite books. Class projects must also be completed.

**Office User Specialist II (FY)**

**Grades 10-12**

**Prerequisite:** Digi Com or Office User I

This course involves learning the intermediate level skills of Word, Excel, and PowerPoint. The entry-level requirements for Access (Database) will be discussed. There will also be integrated activities using all of the various Microsoft Suite programs. A minimum of two (2) projects will be completed.

**English / Literature**

**Applied Communication (FY)**

**Grade 12**

This class will involve basic technical writing and punctuation skills (paragraph and business writing), speaking/ interview techniques and practices, resume writing, and writing for business and the future. Additional focus is developing cooperative, interpersonal skills.

**Advanced Writing [College Prep] (FY)**

**Grade 12**

The contents of this class will include all writing styles (expository, persuasive, informative, and argumentative). Full essay skills (thesis, development, conclusion, and transition) are reviewed and polished for college and employment purposes.

**English 9 (FY)**

**Grade 9**

This course is designed to hone students’ skills in reading, writing, and oral communication. Students will read, analyze, and discuss a variety of books, plays, classic short stories, and poems, including *A Separate Peace, Romeo and Juliet*, and more. Many modes of writing will be addressed for a variety of audiences, including literary analysis, argumentation, exposition, and narration. Vocabulary will be studied through literature. In addition, students will polish their speaking skills via formal and informal presentations.

**English 10 (FY)**

**Grade 10**

This course focuses on student competency in Common Core State Standards for Reading, Writing, Listening, and Speaking. Comprised of diverse learning experiences in whole-class, small group, partner, and individual settings, this course features a variety of unit-oriented topics, as follows: poetry, research, narration, argumentation/persuasion, and *The Grapes of Wrath* (video), each culminating with a written project. Emphasis is also placed on improved vocabulary and conventions of Standard English. Embedded test preparation will help students be successful in
English 11 (FY)                                      Grade 11

This course focuses on student competency in Common Core State Standards for Reading, Writing, Listening, and Speaking. Comprised of diverse learning experiences in whole-class, small group, partner, and individual settings, this course features a variety of unit-oriented topics. Various units include informational and literary text. Embedded test preparation will help students be successful in standardized tests such as the High School English Language Arts exit exam, and/or the Smarter Balanced assessment.

**English as a Second Language (ESL)**

**Introduction**

The ESL/Bilingual Program at Royal High School is designed to provide ELL (English Language Learners) focused English language development across curriculum while concurrently increasing the number of classes in the regular mainstream curriculum they can take.

A typical ELL student requires anywhere from 4 to 6 years to acquire academic English proficiency in order to be able to compete academically with native English peers. To be proficient in a second language means to effectively communicate or understand thoughts or ideas through the language's grammatical system and its vocabulary, using its sounds or written symbols. Language proficiency is composed of oral (listening and speaking) and written (reading and writing) components as well as academic and non-academic language (Hargett, 1998).

To meet the academic needs of incoming ELL students, the ESL/Bilingual Program at Royal High School has been divided into six classes: World History and Geography, ESL I, ESL II, Physical Science, and Biology. Students may spend up to four periods in the ESL classroom. All the courses offered in the ESL/Bilingual classroom have been aligned to the Common Core State Standards for English, the Next Generation Science Standards, and/or the Essential Language Arts Academic Learning Requirements as well as the Washington State English Language Development (ELD) Content Standards.

Students are placed in the ESL/Bilingual Program based on their scores in the WELPA (Washington English Language Proficiency Assessment) that will rank them on a proficiency level: Beginning (I); Advanced Beginning (II); Intermediate (III); Advanced (IV); and Transitional (V). Teachers’ classroom assessments and counselor’s advice may also serve as guidance for placement in the program.
World History and Geography (FY)

The curriculum for this one-year course is designed to help ELL students acquire an understanding of world history from the Renaissance period to the Industrial Revolution. It provides students with a series of reading comprehension, note taking, vocabulary, timelines, graphic organizers, and group discussion activities to enable students to realize that their world is directly connected to cultures from distant times and remote places.

ESL I (FY)

This course is an adaptation of the mainstream English 9 class. It uses the same textbook, but with an emphasis on its Adapted Reader curriculum to help students improve their skills in listening, speaking, reading, and writing. Students read as many selections as in the English 9 class and receive extra support with the understanding of the readings through summaries in Spanish, graphic organizers, and the recorded version of the selections by professional actors. Students have the opportunity to use the online support offered by the textbook publisher to boost their technology and English skills.

ESL II (FY)

This course is an adaptation of the mainstream English 10 class. It uses the same textbook as the mainstream class, but with an emphasis on its Adapted Reader curriculum. English II focuses on enhancing students' competency in listening, speaking, reading comprehension, and writing. Reading includes a selection of classic and contemporary American literature in both written and recorded forms. Writing units comprise the six traits of writing and detailed rubrics to guide students through the basic steps into the creation of descriptive, expository, persuasive, and narrative essays.

Physical Science (FY)

The major goal for this one-year course is to enable students to study the physical and chemical laws under which man exists. Through classroom and hands-on experiences and experiments, students acquire the ability to observe and interpret scientific phenomena. Techniques and skills, which the students develop, are expanded through a study of environmental qualities. The second semester of this course is an introduction to scientific research and topics to be covered in a life science class.

Biology (FY)

A one-year course designed to assist ELL students who are experiencing difficulty with a traditional biology textbook. The course integrates academic vocabulary and definitions, content-specific concepts, and learning strategies with hands-on activities that will help ELL students pursue higher-level content-area schoolwork. Topics covered are: botany, genetics, biotechnology, human anatomy, human ecology, human physiology, and zoology. This course promotes scientific thinking through problem solving, a process that encourages curiosity and careful inquiry. Each chapter begins by introducing basic concepts and reviews them wherever they appear in other chapters throughout the book. This approach helps ELL students understand these concepts more easily, and uses clearly written headings, subheadings, outlines, and illustrations to highlight important ideas.
Child Development (FY)  Grade 9-12

The curriculum for this semester course includes topics on: parenthood, pregnancy and prenatal development and the physical, social, emotional, and intellectual development from birth to age six. The student will have the opportunity to observe and/or participate in field-site experiences to gain an understanding of the role of caregiver in guiding a child's development and career opportunities in child care. The course offers Tech Prep credit through Big Bend Community College and Washington State Training and Registry System (S.T.A.R.S.) certification. FCCLA is the leadership component for the class. This course satisfies a Future Living or vocational credit.

Clothing & Textiles (S)  Grade 9-12

This course explores fibers, weaving methods, and fabric characteristics to make selections in relation to performance, garment care, construction techniques, proper use and care of sewing equipment, and career opportunities in the textile industry. The course is partially individualized to meet the construction ability of the student. Supplies must be purchased at the student's expense. FCCLA is the leadership component for the class. This course satisfies a Future Living or vocational credit.

Family Living (FY)  Grade 9-12

A semester course designed to help students become aware of situations which may occur during and after high school. Topics include: personal relationships, family structures, decision-making and conflict-resolution, positive communication, success in the workplace, career research, resume writing, interviewing for a job, budgeting, and leadership development. FCCLA is the leadership component for the class. This course satisfies a Future Living or vocational credit.

Foods / Nutrition I (S)  Grades 11-12

A semester course that allows the student to understand that recipes must be followed accurately to achieve quality products, perform proper safety and sanitation techniques, and to work cooperatively as a team member in the kitchen to prepare a wide variety of recipes retaining their color, texture, flavor, and nutritional value. FCCLA is the leadership component for the class. This course satisfies a Future Living or vocational credit.

Foods/Nutrition II (FY)  Grades 11-12  Prerequisite: Foods I

Application of the skills learned in Foods I is applied to this semester course. Preparing foreign foods and regional foods throughout America is the primary focus of the course. FCCLA is the leadership component for the class. This course satisfies a Future Living or a vocational credit.
Interior Design (S) Grades 9-12

The semester course focuses on the Elements and Principles of Design; architectural styles, floor plans, interior elevations, furniture styles and arrangements, and home design. Career opportunities are explored. FCCLA is the leadership component for the class. This course satisfies a Future Living or vocational credit.

Foreign Language

Spanish I (FY) Grades 10-12

This introductory course will emphasize elementary principles of the language. Special emphasis will be placed on listening, speaking, reading and writing. Specifically, vocabulary and verbs in the present tense and cultural aspects of Spanish-speaking countries.

Spanish II (FY) Grades 10-12 Prerequisite: Spanish I

Must pass both semesters of Spanish I with a "C" grade or better.

This course will review principles learned in Spanish I. Further study will deal with vocabulary and structure. Future more, preterit, future and perfect tenses will be taught.

Mathematics

Algebra (FY) Grades 9-12

This is the first in a series of college preparatory mathematics classes. The properties of a number system are developed and used to learn logical reasoning and problem solving. Algebra I is the first course that prepares the student for the study of additional mathematics. It is required by both RHS and Washington state.

Algebra IA (FY) Grades 9-10 Permission

This is part one of a two year Algebra course. This course covers the same information as Algebra I but in two years. This allows more time for students to practice and get help before moving on to new lessons and topics. In this class, basic operations in the real number system, conversion of units, graphing, proportions, decimals, percents, fractions, and solving for a variable are covered. Also included is an introduction to functions, geometry, statistics, probability, and simple algebraic structures. The language of Algebra, the operations of positive and negative whole numbers, fractions, decimals, rational expressions, solutions of linear equations, and the properties of the real number system are areas of focus.
Algebra IB (FY) Grades 9-10 Permission

This is part two of a two year Algebra course. This course covers the information not covered in Algebra IA. In this class, systems of equations and inequalities are solved; laws of exponents, multiplying polynomials, factoring polynomials and quadratic equations are covered. As well as introduction to statistics and exponential functions are presented.

Algebra II (FY) Grades 9-12 Prerequisite: Alg & Geom

This course is designed for students who need math as a tool for further work in mathematics, chemistry, physics, engineering or nursing, or who simply like math. Colleges require this course for students who expect to enroll in science, engineering or mathematics. Topics covered are functions, operations with real numbers, linear and quadratic equations, systems of equations, exponents, logarithms and practical applications. It is required by both RHS and the state.

Adv. Algebra Applications (FY) Grade 12

The first semester of this course is a Collection of Evidence class. This COE class is designed to help students review concepts from Algebra and Geometry that may appear in COE packets. It also gives students time to work on their COE packets. The second semester of the course is a practical math course. This section covers topics that allow students to see the real world application of Algebra. Some topics covered are: the stock market, banking services, consumer credit, car ownership and budgeting.

Geometry (FY) Grades 9-12 Prerequisite: Algebra

The content of this course is built around the measurement of angles, arcs, and polygons with special emphasis on the triangle, loci and proportions. The teaching of geometric theorems and terms and deductive reasoning are stressed. Students are given practical problems in the application of knowledge, as well as an opportunity to acquire skills in demonstrations. It is required by both RHS and Washington state.

Pre-Calculus (FY) Grades 11-12 Prerequisite: Algebra II
(Grade of C or higher)

This course is designed to lay the groundwork for AP Calculus and/or further study of mathematics at the college level. Topics of instruction will include but are not limited to trigonometry, circular functions, logic, limits of sequences and functions, progressions, vectors and math induction.
*Note: Students have the option to take the course for college credit by passing a placement exam, registering through EWU and passing final examinations.

AP Calculus (FY) Grades 11-12 Prerequisite: Pre-Calculus
(Grade of B or higher)

This class is designed to prepare a student for entry into STEM (Science, Technology, Engineering, and Mathematics) program at the college level. The course covers topics for a typical first semester college calculus course. In addition, students may earn college credit for a
score of 3 or higher on the College Board AP Calculus AB test.

Music

Chamber Choir (FY) Grades 9-12
This ensemble consists of 9th-12th grade students and is an audition only class. Auditions are held at the end of each school year. Students need to have a certain level of proficiency at singing and reading music. Students will have the opportunity to explore the world of music by learning how to read music and sing. Students in this ensemble will perform at the highest level possible and will be required to hold regular sectionals and practice at home. Students in the chamber choir are expected to attend all rehearsals, concerts, and travel with choir to all events. Incoming freshmen are allowed and encouraged to audition as well. Incoming freshmen who wish to audition should sign-up for concert choir. Students accepted after their audition will have their schedule modified. This course satisfies a Fine or Performing Arts credit or an elective credit.

Concert Band (FY) Grades 9-12
This ensemble consists of 9th-12th grade students. Members of this group can expect to perform in large group, ensemble and solo competitions. The concert band will perform literature written for wind band that will challenge students and encourage them to become better musicians. Students in the concert band are expected to attend all rehearsals, concerts and travel with the band to all musical events. Members of the concert band are also required to participate in marching band and pep band. This course satisfies a Fine or Performing Arts credit or an elective credit.

Concert Choir (FY) Grades 9-12
The concert choir is an ensemble that consists of 9th-12th grade students. This is a non-audition class and anyone can join. Students will have the opportunity to explore the world of music by learning how to read music and sing. The concert choir will perform literature written for large group choir that will challenge students and encourage them to become better musicians. Students in the concert choir are expected to attend all rehearsals, concerts, and travel with choir to all events. This course satisfies a Fine or Performing Arts credit or an elective credit.

Music Appreciation (FY) Grades 9-12
Students in Music Appreciation will learn about; the history of western music, musical styles, world music, and they will have an appreciation for all types of music. It is not required to like all kinds of music, and it is not expected that students finish the class liking all kinds of music. What is expected, is that students will have a better understanding of why different styles of music exist, and what the importance of music is to culture. This course satisfies a Fine or Arts credit or an elective credit.
Physical Education

Physical Education (FY) Grades 9-12

This course introduces concepts for personal development in health-related fitness and physical skills. These include cardiovascular exercise, body composition, strength, endurance, and flexibility which will be the basis for becoming physically fit. The Physical Education program provides each student with the opportunity to participate in a comprehensive program consisting of skill development, lead up games, team sports, and physical fitness activities. The students receive instruction in rules, skills, and strategies associated with the different sports as well as learning experiences involving physical conditioning activities. The students will also have opportunities to become involved in life-long physical activities through individual sport units. The program promotes the spirit of cooperation, leadership, fair play, and friendly competition.

Health (S) Grades 9-12

A semester course covering units on: human body systems, risk vs. wellness behaviors, communicable and non-communicable diseases, first aid/CPR, consumerism, drug awareness education, nutrition, and career exploration. American Heart Association CPR certification will be available. This course is designed to promote an appreciation of one’s own body and to realize that optimum physical, social, and emotional health must be maintained throughout life. This course satisfies the state health requirement for graduation.

Weights (FY) Grades 9-12

This co-educational course is designed to increase a student’s flexibility, cardio respiratory endurance, muscular strength and muscular endurance. The student will understand the three components of an exercise session: the warm up, the workout (based on the student’s current fitness level), and the cool down phase of the program. The student’s success will be monitored and revisions made as needed to gain optimal physical, mental and emotional, and social well-being.

Science

Advanced Biology (FY) Grades 11-12 Prerequisite: Biology

This course involves an overview of the structure and function within the five kingdom classifications as well as viruses. Emphasis will also be placed on zoology and botany to include environmental issues and ecology in an effort to make students be better problem solvers (math included) and relate science to everyday life. It is designed to familiarize students with lab process and safety skills. It is a recommended course for students wishing to enter biologically-related fields in college and/or workforce.

*Note: Advanced Biology is taught in the odd graduation years.
Anatomy & Physiology (FY) Grades 11-12 Prerequisite: Biology

Anatomy and Physiology is a comprehensive study of the structure and function of the human body with an emphasis on how each system plays a vital role in homeostasis. It is designed to familiarize students with lab process and safety skills. This course is designed to prepare students for on the job training in the workforce as well as college and technical courses in health and the medical fields.

*Note: Advanced Biology is taught in the even graduation years.

Animal Science (FY) Grades 10-12

A course designed to develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic animals. This shall be a laboratory course that includes the essential elements and the concepts and skills related to animal science. This course satisfies a science or vocational credit.

Applied Agricultural Science & Technology (FY) Grade 9-12

A basic applied course designed to enhance the agricultural comprehension of beginning students in agricultural science and technology. The course includes soils, plants, animals, agricultural construction, food science, Supervised Occupational Experience Programs, and leadership. This shall be a shop/laboratory course that includes the essential elements and the concepts and skills related to the introduction to world/agricultural science and technology. This course satisfies a science or a vocational credit.

Biology (FY) Grades 10-12 Prerequisite: Physical Sci.

Biology is a study of life with an emphasis on cells. Topics covered are basic cytology to include chemistry, homeostasis, simple heredity, ecosystems, and evolution in preparation for the EOC Biology Washington state graduation required exam. It is designed to familiarize students with lab process and safety skills. Research is also part of this course to address the Common Core Standards (CCSS).

Chemistry (FY) Grades 11-12 Prerequisite: Algebra (B or higher)

Chemistry is designed for students that are college bound and/or students that need more intensive chemistry than Physical Science gives for the fields of nursing, agriculture, and various technical jobs. Algebra with a grade of “C” or better is a prerequisite. Areas included for study are the nature of matter with an emphasis on the electron and its role in chemical reactions, stoichiometry, states of matter, solutions, acids and bases, nuclear chemistry and the role of energy in chemical states and reactions. In each unit, appropriate labs will be conducted with an emphasis on proper lab technique and safety.

Introduction to Agriculture (S) Grades 9-12

This course is an introduction to the FFA. Students will learn about the history of the FFA, the local chapter, chapter operations, leadership skills, and FFA activities. This course satisfies a
science or vocational credit. This course is a prerequisite for all vocational agriculture courses.

**Horticulture (FY)**  Grades 10-12

A course that prepares students to design, construct, and maintain planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation. This shall be a laboratory course that includes the essential elements and the concepts and skills related to landscape design, construction, and maintenance. This course satisfies a science or vocational credit.

**Environmental Science & Natural Resource Management (FY)**  Grades 10-12

A course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. This shall be a shop/laboratory course that includes the essential elements and the concepts and skills related to wildlife and natural resource management. This course satisfies a science or vocational credit.

**Physical Science (FY)**  Grade 9

Physical Sciences is a required course for all 9th graders and a Royal High School graduation requirement. This course is a lab course divided into two large units – physics, and chemistry. The physics includes force and motion, light, waves, sound, electricity and magnetism, and energy. The chemistry includes states of matter, nature of the atom, chemical bonding, chemical reactions, and lab technique.

**Physics (FY)**  Grade 12  
Prerequisite: Alg II  
(Grade of B or better)

Physics is a course for college bound science students. In addition to force and motion studies, the class will cover electricity and magnetism, heat and energy, and special topics to be chosen by the students. The year culminates with Physics Day at Silverwood.

**Social Studies (History)**

**AP American Government / CWP (Current World Problems) (FY)**  Grade 12

A two semester course which studies the structure and function of the government of the United States, with an emphasis on The United States Constitution and Bill of Rights. Students will study current events, both national and international in CWP.

**United States History (FY)**  Grade 11

A two semester survey course which studies the history of the United States from the colonial period to today.
Washington State History (S) Grade 9-12 Independent Study Class

This course involves the history of Washington and the Oregon Territory. Attention is given to the Native Americans, early explorers, trappers and traders, missionaries and settlers. Time is spent on the geographical differences of western and eastern Washington, economics, political and social development. Emphasis is placed upon name of place of cities, mountains, dams, rivers, and other geographical features.

World History (FY) Grade 9

The first half of this course studies the world's peoples and nations from the 1400’s to World War II. The second half of the course studies the history of western man from World War II to today.

Psychology (FY) Grades 10-12

This semester course will provide students with a basic knowledge of the origins of psychology, modern changes and advances in the field, different schools of thought that dominate the field, and a basic knowledge of the biological aspects of psychology. Students will gain insight into human behavior, emotion and motivation. The text incorporates a critical thinking approach, which allows the class to debate, question and interpret material on an on-going basis.

Sociology (FY) Grades 10-12

This semester course helps students understand their world from a sociological perspective. Students are given a background of the history of sociology and its major contributors, as well as the three major theories of sociology: functionalism, interactionism and conflict theory. Culture will be discussed in depth. Students will learn about group behavior and societal classifications. Students will also look at patterns in family life. The course is designed to offer a brief perspective into the area of sociology and prepare students for introductory courses at the college level.

Vocational Agriculture

Note: Introduction to Agriculture and Applied Agricultural Science & Technology are prerequisite for all upper level (grades 10-12) vocational agriculture courses.

Agricultural Mechanics (FY) Grades 9-12

A course designed to provide basic instruction in all phases of modern carpentry and building construction. Students will demonstrate the proper use of all tools and equipment utilized in the building process to construct either small scale, or model projects according to local building codes. Students will also develop skills in metal and equipment assembly and joining processes. This shall be a shop/laboratory course that includes essential elements and the concepts and skills related to agricultural metal fabrication technology.
Animal Science (FY) Grades 10-12

A course designed to develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic animals. This shall be a laboratory course that includes the essential elements and the concepts and skills related to animal science. This course satisfies a science or vocational credit.

*Note: Advanced Biology is taught in the even graduation years.

Applied Agricultural Science & Technology (S) Grades 9-12 Prerequisite: Into to Ag

A basic applied course designed to enhance the agricultural comprehension of beginning students in agricultural science and technology. The course includes soils, plants, animals, agricultural construction, and food science. Supervised Occupational Experience Programs, and leadership. This shall be a shop/laboratory course that includes the essential elements and the concepts and skills related to the introduction to world/agricultural science and technology. This course satisfies a science or vocational credit.

Introduction to Agriculture (S) Grades 9-12

This course is an introduction to the FFA. Students will learn about the history of the FFA, the local chapter, chapter operations, leadership skills, and FFA activities. This course satisfies a science or vocational credit. This course is a prerequisite for all vocational agriculture courses.

Woods (FY) Grades 9-12

The woods class is a hands-on introduction to building with wood. Structural requirements and types of wood suited to the job will be investigated. Simple to complex building procedures will be used to teach the various methods of construction. Safety procedures will be followed because power tools will be used extensively in the shop. Techniques for using the various types of power tools will be demonstrated and practiced. Items will be constructed and sold to the public in order to learn about quality work.

Horticulture (FY) Grades 10-12

A course that prepares students to design, construct, and maintain planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation. This shall be a laboratory course that includes the essential elements and the concepts and skills related to landscape design, construction, and maintenance. This course satisfies a science or vocational credit.

Environmental Science & Natural Resource Management (FY) Grade 10-12

A course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. This shall be a shop/laboratory course that includes the essential elements and the concepts and skills related to wildlife and natural resource management. This course satisfies a science or vocational credit.

*Note: Advanced Biology is taught in the odd graduation years.
Leadership (FY)  Grades 10-12  Permission

This course is designed to instruct students in the various methods and techniques for planning, implementing and evaluating projects related to school activities and service. Topics include parliamentary procedure, public speaking, group dynamics and creative visuals. Work on the Personal Broadcast TV is expected. To receive an A or B grade, students must complete outside projects.

Teacher/Office Aide (S/FY)  Grades 11-12  Permission

Students assist classroom teachers or office staff in daily tasks. Individuals must be responsible and able to work independently. If there are no specific tasks, the student is expected to have individual work that he/she can work on. Generally, students are an aide for a full year, although exceptions can allow a student to be an aide for one semester. Students need to talk with specific teachers or the office secretary to secure a permission form which should be turned in to the counseling office.