

Royal High School

2024/2025 Course Catalog



Ms. Courtney McCoy, Principal
Mr. Randy Miller, Assistant Principal/CTE Director
PO Box 486 / 955 Ahlers Road
Royal City, WA 99357
(509) 346-2256

TABLE OF CONTENTS

WELCOME & GENERAL INFORMATION	3
GRADUATION REQUIREMENTS	4
COLLEGE ADMISSIONS REQUIREMENTS	5
ELECTIVES	6
FINE ART	7-8
MUSIC	9
CAREER & TECHNICAL EDUCATION (C.T.E.).....	10-13
FAMILY & CONSUMER SCIENCES (FACS)	14-15
BUSINESS EDUCATION.....	16
AGRICULTURE.....	17-19
ENGLISH/LITERATURE	20-22
ENGLISH AS A SECOND LANGUAGE (ESL)	23
FOREIGN LANGUAGE	24
MATHEMATICS	25-28
PHYSICAL EDUCATION	29-30
SCIENCE	31-34
SOCIAL STUDIES (HISTORY)	35-36
FUTURE LIVING	37-39
COURSE OFFERING SUMMARY	40-41
SCHEDULE REQUEST CONSIDERATIONS	42

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... “A Tradition of Pride and Excellence.”

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.

GENERAL INFORMATION

EXPLANATION OF TERMS

- The school year is divided in to 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 meet state assessment requirements.
- 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 and PLATO courses receive a Pass/Fail grade.

STATE MANDATED ASSESSMENTS

- In order to graduate, students must pass all assessments which include the high school English Language Arts Smarter Balanced Assessment (SBAC) and high school math Smarter Balanced Assessment (SBAC). Students in the class of 2021 will be required to pass the Washington Comprehensive Assessment of Science (WCAS).
- Students must complete a High School and Beyond Plan
- Students must also complete a graduation pathway (ASVAB, CTE, exam-based, or course-based)

REGISTRATION AND SCHEDULE CHANGES

- Registration for courses will take place during February and March
- Students may pick up their schedule at the high school office or view schedules on Family Access
- If students are unsatisfied with their schedules they need to talk with their school counselor BEFORE the first day of school to address scheduling concerns. Schedule changes after the start of the semester will only be considered in regards to graduation requirements, missing or double booked periods, or other special circumstances. If you have concerns about your schedule, plan ahead and talk to the school counselor as soon as possible.
- Schedule change requests will not be considered five days past the start of the semester.

ROYAL HIGH SCHOOL GRADUATION REQUIREMENTS

Royal High School students need a total of 26 credits to graduate. They must have the following minimum credits 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.

Class of 2022 and Beyond	
ENGLISH – 4 credits required	<ul style="list-style-type: none"> English 9 English 10 English 11 (English Bridges, Variations of American Literature) English 12 (English Bridges, Applied Communication, Advanced Writing, or Honors English/ College in the High School English)
MATHEMATICS – 3 credits	<ul style="list-style-type: none"> Algebra I Geometry Third Math (Algebra II, AP Statistics, AP Pre-Calc, AP Calc, Data Science)
SCIENCE – 3 credits (2 must be a lab science)	<ul style="list-style-type: none"> Ag Physical Science, Biology, BioMed, Chemistry, Human Body Systems, Astronomy, Advanced Biology Additional Science Credit
SOCIAL STUDIES – 3.5 credits	<ul style="list-style-type: none"> WA State History (Semester Course usually taken in 8th grade) World History U.S. History or AP U.S. History Government or AP Government
HEALTH/Physical Education – 2 credits (.5 credit of Health and 1.5 credits of Physical Education)	<ul style="list-style-type: none"> Health (Semester course) PE, Total Fitness, Beginning Weights, or Advanced Weights
FINE ARTS – 2 credits	<ul style="list-style-type: none"> Art, Music, Multimedia Animation Design, Floriculture, Intro to Engineering
CTE – 1 credit	<ul style="list-style-type: none"> Typically Agricultural, Engineering or Computer related classes
Foreign Language – 2 Credits	<ul style="list-style-type: none"> Spanish I and Spanish II STAMP credits
ELECTIVE CREDITS – Total will vary	<ul style="list-style-type: none"> Courses can be from any discipline to bring credit total to 26 more credits

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 a specific one, so if you are interested in a particular school, be sure to check. Students should take the SAT or ACT during the spring of the Junior year, this will allow time for students to retake in the Fall if unsatisfied with test scores.

ENGLISH

- 4 credits (each credit is equal to 1 year)

MATHEMATICS

- 3 credits including Algebra, Geometry, and Algebra II or Data Science (more classes recommended for college admission especially College in the High School/AP courses)

SENIOR YEAR MATH-BASED QUANTITATIVE 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

- 2 credits 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 an additional year or math. Students are encouraged to discuss post high school plans with their parents, teachers and the school counselor.

Electives

Drama	FY	Grades 9–12	
This course introduces students to the theatrical arts. We emphasize creativity, collaboration, self-confidence, and perseverance. Areas covered in depth include: theatre vocabulary, roles in the theatre, movement, acting, the reading of plays, theatre design and tech, and viewing theatre performances. Students will be creating projects throughout the year in groups just as they would encounter in the professional theatre world.			
			Credit: Elective

Yearbook	FY	Grades 11–12	Prerequisite: Apply and complete an application with Mr. Griffin
Yearbook is a year-long, project-based curriculum that develops career, and communication skills in print and graphic design. It will integrate photography, graphic design, and desktop publishing. Students in the Yearbook class are the leaders and decision-makers of the yearbook staff of Royal High School.			
			Credit: Elective

Fine Arts

ART I	FY	Grades 9–12	
<p>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.</p>			
			Credit: Fine Art

ART II	FY	Grades 9–12	Prerequisites: Taken Art I
<p>This second year Art course builds and expands the experiences of Art I. Students will continue to build art vocabulary and apply it on an everyday basis. Students will apply their knowledge of elements and principles of art and art history by creating art projects using a variety of mediums in painting, drawing, printmaking, sculpture, and other forms of fine art. Students will also have the opportunity to help design and create murals around the school. The course is a studio type class.</p>			
			Credit: Fine Art

Art Appreciation	FY	Grades 9–12	Prerequisites:
<p>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.</p>			
			Credit: Fine Art

Ceramics	FY	Grades 11–12	Prerequisites:
<p>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.</p>			
			Credit: Fine Art

Fine Arts

Digital Photography	S/FY	Grades 11–12	Prerequisite: Taken Multimedia Design or by permission from instructor
<p>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.</p>			
Credit: Fine Art			

Digital and Multimedia Design	S1	Grades 9–12	
<p>Ever wonder how those magazine covers make everything look so perfect? Well you can do it yourself, utilizing the industry's leading multimedia design suite. This course will provide a comprehensive Introduction to Desktop Publishing using Adobe Photoshop, Adobe Illustrator and Adobe InDesign. This course will provide the student with an understanding of the desktop publishing applications that are available and how to successfully utilize these applications in the business world.</p>			
Credit: CTE or Fine Art			

Video Production	S2	Grades 9–12	Prerequisite: Passed Multimedia Design or
<p>If you want to learn more about what it takes to be a Youtuber, or just want to learn something new and exciting, this class is for you! Students will learn about basic video production, how to capture and edit green screen videos and create special effect videos in Adobe After Effects and Adobe Premiere Pro.</p>			
Credit: CTE or Fine Art			

Introduction to Engineering Design	FY	Grades 9–12	
<p>Ever wondered how to design something new or draw out an idea to show your friends? Stop wondering and do it using Autodesk Inventor, the industry-leading 3D design software! Discover the role of an engineer in taking an idea from the design process to manufacturing or production. Produce an incredible, working prototype of your project with a state-of-the-art 3D printer. You will work on projects, activities, and problems not only of interest to you, but that have global and human impacts. Work in teams to design and improve products, document your solutions, and communicate them to others.</p>			
Credit: CTE or Fine Art			

Music

Concert Band	FY	Grades 9–12	
This ensemble consists of 9 th -12 th 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 will have the opportunity to be a member of the pep band also. This course satisfies a Fine or Performing Arts credit or an elective credit.			
Credit: Fine Art			

Concert Choir	FY	Grades 9–12	
The concert choir is an ensemble that consists of 9 th -12 th grade students. 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 choirs that will challenge students and encourage them to become better musicians. Students in the concert choir will have the opportunity to rehearse, perform, and travel together to music events. This course satisfies a Fine or Performing Arts credit or an elective credit.			
Credit: Fine Art			

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.			
Credit: Fine Art			

Percussion Ensemble	FY	Grades 9–12	
Percussion Ensemble is an extension of the Concert Band class and is designed to give percussionists individualized and group instruction on various percussion instruments. Students in Percussion Ensemble will perform in conjunction with the Concert Band and Pep Band at concerts and sporting events. Percussion Ensemble students will have the opportunity to develop themselves as musicians and will experience music of multiple genres and cultures. Instruments that will be used include the many types of drums, marimba, xylophone, bells, cymbals, and auxiliary instruments.			
Credit: Fine Art			

C.T.E. (Career & Technical Education)/ Occupational

S.T.E.M (Science, Technology, Engineering, and Mathematics)

Principles of Engineering	FY	Grades 9	
<p>Principles of Engineering is currently being offered as an in-class enrichment alternative to Physical Science. The emphasis for those taking Principles of Engineering will be to demonstrate higher level thinking skills. Those enrolled in Principles of Engineering will engage in additional projects (such as building a working electric motor) and labs. Some of these labs will take place during the LANCE period. Principles of Engineering will go beyond “Myth Busters” to solution builders! As you master the basic concepts needed to pursue your education in engineering, engineering technology or computer science you will apply them all by tackling real world challenges in Energy sources and applications, Machine Systems, Fluid Power and testing the strength and durability of materials.</p>			
Credit: Science with Lab, or CTE			

Computer Science Essentials	FY	Grades 9–12	
<p>With emphasis on computational thinking and collaboration, this year-long course provides an excellent entry point for students to begin or continue the PLTW Computer Science PreK-12 experience. Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence.</p> <p>In Computer Science Essentials, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.</p> <p>Computer Science Essentials helps students create a strong foundation to advance to AP Computer Science and Cybersecurity.</p>			
Credit: Science with Lab, or CTE			

Digital and Multimedia Design	S1	Grades 9–12	
<p>Ever wonder how those magazine covers make everything look so perfect? Well you can do it yourself, utilizing the industry's leading multimedia design suite. This course will provide a comprehensive Introduction to Desktop Publishing using Adobe Photoshop, Adobe Illustrator and Adobe InDesign. This course will provide the student with an understanding of the desktop publishing applications that are available and how to successfully utilize these applications in the business world.</p>			
Credit: CTE or Fine Arts			

C.T.E./S.T.E.M

Video Production	S2	Grades 9–12	Prerequisite: Passed Multimedia Design or Instructor Approval
If you want to learn more about what it takes to be a Youtuber, or just want to learn something new and exciting, this class is for you! Students will learn about basic video production, how to capture and edit green screen videos and create special effect videos in Adobe After Effects and Adobe Premiere Pro.			
Credit: CTE or Fine Arts			

AP Computer Science	FY	Grades 10–12	Prerequisite: Algebra II (Completed or enrolled) AND Passed Computer Science Essentials OR Instructor Approval
Want to learn how to write computer programs that can change the world? Start here, using Python as a primary tool and incorporating multiple other languages for programming. This course develops computational thinking, generates excitement about career paths that utilizes computing, programming, and introduces tools that foster creativity and collaboration. This course can be a student's first course in computer science, although it encourages students without prior computing experience to start with application development. CSE helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cyber-security, and simulation. This is an AP Class and upon successful completion and assessment may earn College Board credit. (Students must be enrolled in or have completed Algebra II or Math III)			
Credit: CTE, Science, Or Math Elective			

Cyber Security	FY	Grades 10–12	Prerequisite: Algebra II (Completed or enrolled) AND Passed Computer Science Essentials OR AP Computer Science OR Instructor Approval
Threats such as Network outages, hacking, computer viruses, and similar incidents affect our lives in ways that range from inconvenient to life-threatening. As the number of mobile users, digital applications, and data networks increase, so do the opportunities for exploitation. Learn about all the different types of threats that affect users on the internet and how to defend against them. By taking this class you will embark on one of the fastest growing career fields in the world and understand the differences between Whitehat, Greyhat, and Blackhat hackers in addition to learning about what and how they do what they do.			
Credit: CTE, Science, Or Math Elective			

C.T.E./S.T.E.M

Introduction to Engineering Design	FY	Grades 9–12	
<p>Ever wondered how to design something new or draw out an idea to show your friends? Stop wondering and do it using Fusion 360, from the industry-leading publisher of 3D design software! Discover the role of an engineer in taking an idea from the design process to manufacturing or production. Produce an incredible, working prototype of your project with a state-of-the-art 3D printer. You will work on projects, activities, and problems not only of interest to you, but that have global and human impacts. Work in teams to design and improve products, document your solutions, and communicate them to others. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.</p>			
Credit: CTE or Fine Arts			

Tech Support I	FY	Grades 10–12	Prerequisite: Permission from instructor
<p>Student Technology Support specialists are the first point of contact for help using and troubleshooting district software applications and hardware issues. Support specialists will help maintain school computer systems by performing basic activities such as adding user accounts, creating and printing reports, changing passwords and troubleshooting problems. They may train staff members on new software or hardware as it is introduced. Students in this class will work towards earning their CompTIA A+ industry certification, Microsoft Certifications and Google Certifications.</p>			
Credit: CTE			

Tech Support II	FY	Grades 11–12	Prerequisite: Tech Support I and permission from instructor
<p>Student Technology Support specialists are the first point of contact for help using and troubleshooting district software applications and hardware issues. Support specialists will help maintain school computer systems by performing basic activities such as adding user accounts, creating and printing reports, changing passwords and troubleshooting problems. They may train staff members on new software or hardware as it is introduced. Students in this class will work towards earning their CompTIA A+ industry certification, Microsoft Certifications and Google Certifications.</p>			
Credit: CTE			

C.T.E./S.T.E.M

eSports	FY	Grades 10–12	Pre-Req: Pass Algebra II AND Multimedia Design/Video Production OR Computer Science Essentials OR Introduction to Engineering Design OR Instructor Approval
eSports prepares students to turn a passion for gaming into a viable career. The focus of the course is on learning the Esports Foundations, the professional lifestyle of the players, how streaming works, and the current status of the industry. In this course, students will not only learn about the esports industry, they will also engage in the play experience to get a deeper insight into the esports ecosystem. In the course, students will play esports games, stream and produce but will also look at the experience as designers and critical thinkers.			
			Credit: CTE

BioMedical	FY	Grades 9–12	
Principles of Biomedical Science (1 year) In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. This course is designed to introduce students to medical careers in an independent and rigorous format. First of a four-course sequence.			
			Credit: Science with Lab or CTE

Human Body Systems	FY	Grades 11–12	Prerequisite: B or higher in Biology, have passed BioMed, or Instructor approval
Students examine the interactions of human body systems as they explore identity, power, movement, protection and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This course will take the place of the class previously titled Human Anatomy and Physiology.			
			Credit: Science with Lab or CTE

Family & Consumer Science (FACS)

Independent Living	FY	Grades 9–12	
A full year introductory class designed to acquaint students with multiple areas of home and family life. Units include: financial and career planning, food & nutrition, child development & baby care, and sewing & apron construction. Students will engage in projects including: keeping a financial record, filling out a job application, cooking (and eating), caring for a RealCare electronic baby, and sewing an apron.			
Credit: CTE or Future Living			

Early Childhood Education	FY	Grades 10–12	
Students work with children in an onsite preschool. Students will: Receive an overview of the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals, and programs in action. Develop knowledge and skills to ensure good health, nutrition, and safety of children in-group care and education programs. Recognize the signs of abuse and neglect, responsibilities for mandated reporting, and available community resources. This course will provide the student an opportunity to apply best practice for engaging in nurturing relationships with children in an early learning setting. Focus on keeping children healthy and safe while promoting growth and development.			
Credit: CTE or Future Living			

Foods I	S1	Grades 10–12	
This hands-on course is designed to familiarize students with nutrition, kitchen safety and food preparation, as well as planning and preparing food for special events. Units include: nutrition, food safety, quick breads and yeast breads, meat and poultry, appetizers, cake decorating and food presentation. Students will demonstrate food handling and preparation techniques, plan and prepare foods for class competitions, and use a variety of kitchen equipment. You will obtain a Food Handler's Permit certification.			
Credit: CTE or Future Living			

Family & Consumer Science (FACS)

Foods II	S2	Grades 10–12	Prerequisite: Foods I
<p>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 CTE (vocational) half credit and is offered in conjunction with Foods I.</p>			
Credit: CTE or Future Living			

Advance Culinary (Café 116/ Royal Roast)	FY	Grades 11–12	Prerequisite: Foods I and Foods II
<p>Advanced Culinary prepares students for many contemporary employment opportunities within the restaurant and hospitality industries as professional culinarians. Some of these positions include, but are not limited to, institution and cafeteria cooks, private household cooks, food preparation workers, food service managers, chefs and head cooks, and line and prep cooks in all areas of restaurant and hospitality industries.. Students will be provided with the essential skills of sanitation, foundational and advanced cooking and baking, various ethnic and regional cuisines, as well as operations and production in order to reach their career goals and to be competitive in the marketplace. Menu planning, catering, and running Cafe 116 is part of this course's experiential learning. Students will also receive hands on barista training and will work at Royal Roast as part of our curriculum</p>			
Credit: CTE or Future Living			

Business Education

Personal Finance/Career Choices	S1	Grade 10	Required: 10th grade Year
<p>This course covers the basic strategies needed to prepare you to retire financially secure. We will cover investing, budgeting, preparing for major purchases, insurance, taxes, purchasing a home, and preparing for and looking for a meaningful career. Anyone can retire financially secure, but you must decide to start your investment plans early in life and contribute to them consistently throughout your earning years. This course will prepare you with the foundational knowledge needed to understand the steps you will need to take to prepare yourself for your financial future.</p>			
Credit: CTE or Future Living			

Administrative Support I (Formally TA/Office Aide)	S/FY	Grades 11-12	Permission From Teacher
<p>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.</p>			
Credit: CTE			

Agriculture

Horticulture	FY	Grades 9–12	
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.			
Credit: Science and CTE			

Agricultural Mechanics (Welding)	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 course that includes essential elements and the concepts and skills related to agricultural metal fabrication technology.			
Credit: CTE			

Advanced Agricultural Mechanics (Welding)	FY	Grades 10–12	Prerequisite: Successful completion of Agricultural Mechanics
The "Advanced Agricultural Mechanics" course, spanning 180 hours, delves into practical and theoretical aspects of welding, project planning, management, and safety, among other topics. It equips students with skills in carbon arc gouging, shielded metal arc welding, gas metal arc welding, and flux cored arc welding, emphasizing safety procedures, equipment handling, and project execution. The curriculum integrates leadership, employability, and analytical thinking skills, preparing students for professional careers in welding and metal fabrication by fostering problem-solving abilities, teamwork, and a strong work ethic.			
Credit: CTE			

Introduction to Agriculture	S	Grade 9	
Introduction to Agriculture: (9-12) A semester survey course of agriculture industry topics exposing students to the many and varied types of agriculture/agriculture related career opportunities. The specific topics may include: agriculture careers, basic animal science, plant & horticulture science, vegetable, fruits/grapes & tree fruits, agronomy: irrigation, soils & field crops, agriculture chemistry and pest management, agriculture engineering and agriculture leadership development.			
Credit: CTE			

Agriculture

Agricultural Structures and Woods (Formally and Woods I)	FY	Grade 9–12	
<p>Agricultural Structures is a year-long course that covers topics related to the technical and mechanical systems used in agricultural construction. Students learn through the application of problem-solving skills and gain a basic knowledge of agricultural structures and electrification. This course begins with an introduction to the agricultural mechanics industry and then presents information on safety, proper use of hand and power tools, materials and fasteners, concrete and masonry, construction and maintenance of agricultural structures, fencing, surface coatings, plumbing, and the operating principles of mechanical, electrical and sustainable energy sources.</p> <p>Throughout the course, leadership, community service and personal development will be stressed through the FFA student organization. Students are strongly urged but not required to join FFA. However, many opportunities are available to them as a member of FFA.</p> <p>Work gloves, boots, and coveralls are highly recommended for safety and comfort during this course because we will be working around welding, concrete, and construction equipment. Accommodations can be made if this creates a hardship.</p>			
			Credit: CTE

Advanced Agricultural Structures and Woods (Formally Woods II)	FY	Grades 10–12	Prerequisite: Successful completion of Agricultural Structures and Woods (formally Woods I)
<p>The "Advanced Agricultural Structures and Woods" course is a 180-hour program aimed at students interested in advanced construction and woodworking within the agricultural sector. It covers complex project planning and management, specialized woodworking techniques, and advanced structural design for agricultural applications. Emphasizing practical, hands-on learning, the course prepares students for careers in agricultural construction and project management, focusing on efficiency, innovation, and safety. Students will learn to execute sophisticated projects, enhancing their skills in crafting durable, functional, and aesthetically pleasing agricultural structures.</p>			
			Credit: CTE

Natural Resources	FY	Grade 9–12	
<p>This course will cover areas of Environmental Science, Natural Resources, Wildlife Management, and Outdoor Recreation. Units of study will include ecosystems, soils, water, wildlife habitat, wildlife identification, outdoor survival, rangeland management, GPS technology, and geocaching. Students will have the opportunity to build a fishing rod as part of the course and understand the importance of the natural resources in our world and community.</p>			
			Credit: Science or CTE

Agriculture

Animal Science	FY	Grade 9–12	
This course is focused on breeds, care, feed and maintenance of animals kept as pets and livestock. This course focuses on livestock production, care and feeding, health, welfare, evaluation, sales, marketing, veterinary science and food science. Cooking, labs, lectures, and field trips are all a part of this course as well as keeping up to date on events in the livestock industry.			
Credit: Science or CTE			

Agricultural Leadership and Communications	FY	Grades 10–12	Permission From Ms. Williams
This course centers on the study of the agricultural industry and 21st century skills. The class includes tours of agricultural industries, leadership and career development, communication, agricultural business, sales and marketing. Students in this class will be involved in putting on major events throughout the year and developing an event to introduce younger students to agriculture in the classroom.			
Credit: CTE			

Floriculture/Floral Design	FY	Grades 10–12	
Students will learn about careers in the retail floral business, receive hands-on training in the principles of design, selection of cut flowers and greens, and be able to design holiday arrangements, boutonnieres and corsages, and other various arrangements. Students will also have an opportunity to become involved in ordering, pricing strategies, and sales. Leadership and FFA activities are integrated throughout the course.			
Credit: CTE Fine Arts			

Agribusiness Systems	FY	Grades 10–12	Prerequisite: Successful completion of entry level Agriculture course
The "Agribusiness Systems" course is a comprehensive 180-hour program designed to equip students with the knowledge and skills necessary for the development and management of agribusiness systems. It covers a wide range of topics including economic principles, entrepreneurship, business planning, management skills, and marketing strategies. The course emphasizes practical experience through Supervised Agriculture Experience Projects (SAE), integrating leadership, employability, analytical thinking, and problem-solving skills. This curriculum prepares students for successful careers in agribusiness by combining theoretical knowledge with real-world applications.			
Credit: CTE Fine Arts			

English Language Arts

English 9	FY	Grade 9	
<p>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, and classic short stories, including Romeo and Juliet and more. Many modes of writing will be addressed for a variety of audiences, including argumentation, exposition, and research. Vocabulary will be studied through literature. In addition, students will polish their speaking skills via formal and informal presentations.</p>			
			Credit: English

English 10	FY	Grade 10	
<p>This course focuses on student competency in Washington State Learning Standards for Reading, Writing, Listening and Speaking and Language. Goal-setting is incorporated to motivate students toward mastering these standards. Comprised of diverse learning experiences in whole-class, small group, partner, and individual settings, this course features a variety of quarter-long, unit-oriented topics driven by an essential question. Students will read, take notes, and discuss a variety of sources including informational text, literary text, and nonpoint sources (such as pieces of art, video clips, and music). Multiple opportunities will be given to analyze, interpret, synthesize, and evaluate each source. The quarter will culminate with a written project, either explanatory, argumentative, or narrative. Emphasis is also placed on improved vocabulary and conventions in Standard English. Embedded test preparation will help students be successful on the Smarter Balanced Assessment and other standardized tests.</p>			
			Credit: English

Variations American Lit.	FY	Grade 11	
<p>This Junior course is set up to cover American Literature from the Pilgrim's arrival to the Civil Rights era. Students will cover seminal US documents as well as a variety of literature by predominantly American authors. Novel selections will vary between The Great Gatsby, To Kill a Mockingbird, The Adventures of Huckleberry Finn, The Crucible, A Raisin in the Sun, and some others as skill necessitates alternating Shakespearean plays (Hamlet and Othello). The literature will dig into prevalent themes and address essential questions, which students will answer with culminating essays (two argumentative, one expository, and one research paper) as well as blogs, videos, presentations, and other engaging activities.</p>			
			Credit: English

English Language Arts

Bridge to College English	FY	Grade 12	
<p>The Bridge to College courses in English language arts addresses key learning standards from Washington State's new K-12 learning standards (CCSS) as well as essential college-and-career readiness standards agreed upon by both higher education faculty and K-12 educators. The course will also develop students' essential habits of mind necessary to be successful in college. Students completing these courses will be equipped to engage in college-level work in English.</p>			
			Credit: English

Advanced Writing (ENG 12: College Prep)	FY	Grade 12	Prerequisite: English 11
<p>This is a course designed to prepare <u>students who are going into any form of secondary education</u> (trade or vocational school, community college, or university). Consider this a grade-level English course. This course builds the fundamental skills of writing academic papers while dealing with rigorous research. Topics are driven by students, but the style of papers is chosen by the teacher. There will be basic grammatical units, research skill-building, novel studies, short story, and poetry literary analysis unit as well as a focus on MLA and APA citation styles necessary for college-level writing, blog posts, discussion boards, media postings and so on.</p> <p>(Prerequisite: Pass English 9–11 courses—should be on track to graduate)</p>			
			Credit: English

Applied Communication (ENG 12)	FY	Grades 11–12	Prerequisite: English 11 and SBAC level 3 or 4
<p>This senior course is designed for <u>students going into the military, going into vocational schools, or straight into the workforce</u>. This course focuses on business and technical writing, paragraphs to essays, as well as resumes, cover letters, emails, as well as media posts. Students will read novels and short stories, poetry, study and practice the art of public speaking, learn technical writing skills, interviewing techniques, as well as basic writing fundamentals.</p> <p>(Prerequisite: Pass 9–10 English courses and be a senior)</p>			
			Credit: English

English Language Arts

Honors S1/ENG 101 CHS (College in the High school)S2	FY	Grades 11–12	Prerequisite: English 11 and SBAC level 3 or 4
<p>Honors: This is a Junior/Senior course. This is a semester-long course that is the prerequisite for English 101 CIHS. This course is a British literature course that spans 800 AD - the present day. Students will read novels, classic literature, Shakespearean plays all developing a theme in which they will write an argumentative essay as a culminating project.</p> <p>Eng.101: This course will focus on the development of skills necessary for academic writing, including summarizing reading sources critically and responding to them, synthesizing multiple perspectives, and using academic writing conventions. Students will take Honors English 12 during the first semester to prepare for the course in the second semester.</p> <p>*Note: Students will take the course for college credit by passing a placement exam, registering through CWU and passing final examinations. Sophomores taking this class may be required to pay additional fees. (Prerequisite: MUST be on track to graduate, NEED to be recommended by a teacher, NEED to have passed English 10/11 with a B or better, and will NEED to complete the prerequisites established by CWU).</p>			
Credit: English			

Reading I	FY	Grades 9–12	Special Permission Required
<p>This course is designed to provide struggling 9-12 grade students the additional skill building and support necessary for success in content area courses. Students work towards building Reading skills while developing abilities in Writing, Listening, and Speaking via the Read 180 program which is designed to accelerate students towards independence with rigorous, grade-level text and maximize student engagement with Technology, Text, Teacher, and other Students.</p>			
Credit: English			

ELD ELA	FY	Grades 9–11	Special Permission Required
<p>This course is designed to provide struggling 9-11 grade students the additional skill building and support necessary for success in content area ELA courses. Students work towards building Reading, Writing, Speaking and listening skills while developing abilities in Writing, Listening, and Speaking via the EL Achieve ELD-ELA curriculum which is designed to accelerate students towards independence with rigorous, grade-level text and maximize student engagement with Technology, Text, Teacher, and other Students</p>			
Credit: English			

English as a Second Language (ESL)

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).

Students are placed in the ESL/Bilingual Program based on their scores in the ELPA21 (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.

ELD Emerge	FY	Grades 9–12	Special Permission Required
<p>Systematic ELD is taught during time designated for language instruction driven. By providing a daily block, English learners are given the opportunity to learn and practice the foundational language they need in order to navigate a myriad of adult and peer interactions, such as discussions and collaborative work, as well as prepare them for active participation in rigorous content instruction. During Systematic ELD instruction, English learners study how English works. They acquire a solid foundation by learning the language.</p> <p>Dedicated time and targeted instruction provides students with the following:</p> <ul style="list-style-type: none"> • An emphasis on oral and written language in grade-appropriate and relevant tasks • Instruction organized by English proficiency level that follows a continuum of linguistic skills • Ample opportunities for structured and purposeful interaction and collaboration 			
Credit: English			

ELD Intermediate	FY	Grades 9–12	Special Permission Required
<p>Systematic ELD is taught during time designated for language instruction driven. By providing a daily block, English learners are given the opportunity to learn and practice the foundational language they need in order to navigate a myriad of adult and peer interactions, such as discussions and collaborative work, as well as prepare them for active participation in rigorous content instruction. During Systematic ELD instruction, English learners study how English works. They acquire a solid foundation by learning the language.</p> <p>Dedicated time and targeted instruction provides students with the following:</p> <ul style="list-style-type: none"> • An emphasis on oral and written language in grade-appropriate and relevant tasks • Instruction organized by English proficiency level that follows a continuum of linguistic skills • Ample opportunities for structured and purposeful interaction and collaboration 			
Credit: English			

Foreign Language

Spanish I	FY	Grades 9–12	
<p>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.</p>			
Credit: World Language			

Spanish II	FY	Grades 10–12	Prerequisite: Spanish I (C or better)
<p>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.</p>			
Credit: World Language			

Mathematics

Algebra 1	FY	Grades 9–12	Prerequisite:
<p>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. Students will learn the properties of linear and exponential functions, as well as the basic definitions of Geometry. Math I is the first course that prepares the student for the study of additional mathematics. It is required by both RHS and Washington state.</p>			
Credit: Math			

Geometry	FY	Grades 9–12	Prerequisite: Algebra 1
<p>The content of this course is built around the measurement of angles, arcs, and polygons with special emphasis on the triangles, trigonometry, and proportions. The teaching of geometric theorems, terms, and deductive reasoning are stressed. The algebraic emphasis of this course is on quadratic functions. 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.</p>			
Credit: Math			

Algebra II	FY	Grades 9–12	Prerequisite: Algebra I and Geometry
<p>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. Both circles and 3 dimensional figures will be emphasized geometrically. It is required by both RHS and the state.</p>			
Credit: Math			

Functions and Reasoning Math 152 CHS (College in the High School)	S2	Grades 9–12	Prerequisite: Must Be enrolled in Algebra II S1 Accuplacer must be taken
<p>This course develops pre-calculus readiness through increased understanding of algebraic concepts and skills by exploring: real number algebra; rates of change; manipulation of quantities represented symbolically, graphically, and in words; and linear and quadratic relationships to function.</p>			
Credit: Math			

Mathematics

Data Science	FY	Grades 10–12	Prerequisite: Algebra, Geometry
<p>This course will introduce students to the main ideas of Data Science. Students will learn to be data explorers in project-based units, through which they will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society, and more! At the end of the course students will have a portfolio of their data science work to showcase their newly developed abilities.</p>			
Credit: Math			

Finite Math 130 CHS (College in the High School)	FY	Grades 10–12	Prerequisite: Must be enrolled in Data Science S1, and Accuplacer must be taken
<p>The language of sets, counting procedures, introductory probability, decision making, and introductory descriptive statistics. Prepares students for introductory statistics courses in various departments.</p>			
Credit: Math			

AP Statistics	FY	Grades 10–12	Prerequisite: Algebra, Geometry
<p>This course is designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.</p>			
Credit: Math			

Statistical Concepts and Methods Math 211 CHS (College in the High School)	S2	Grades 10–12	Prerequisite: Must be enrolled in AP Statistics S1, and Accuplacer must be taken
<p>This course is an introduction to statistics for any student. Topics include exploratory data analysis, regression, sampling distributions, hypothesis testing, and confidence intervals. Course emphasizes applied data analysis and includes use of a statistical software package.</p>			
Credit: Math			

Mathematics

AP Pre- Calculus	FY	Grades 11-12	Prerequisite: Algebra 2
<p>This course is designed to lay the groundwork for AP Calculus and/or further the 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.</p>			
Credit: Math			

Pre-Calculus I(Math153) Pre-calculus II (Math154) CHS (College In the High School)	FY	Grades 11-12	Prerequisite: Algebra 2 & accuplacer qualification
<p>Pre-calculus I Math 153: This course is designed to be a foundation course which stresses those algebraic and elementary function concepts together with the manipulative skills essential to the study of calculus.</p> <p>Pre-calculus II Math 154: This course is A continuation of MATH 153 with emphasis on trigonometric functions, vectors, systems of equations, the complex numbers, and an introduction to analytic geometry.</p>			
Credit: Math			

AP Calculus	FY	Grades 11-12	Prerequisite: Pre-Calculus
<p>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.</p>			
Credit: Math			

Calculus I (Math172) then Calculus II(math173) CHS (college in the High School)	FY	Grades 11-12	Prerequisite: Pre-Calculus & accuplacer qualification
<p>Calculus I Math 172: This course focuses on theory, techniques, and applications of differentiation and integration of the elementary functions.</p> <p>Calculus II Math 173: This course is a continuation of Math 172 and expands upon the theory, techniques, and applications of differentiation and integration of the elementary functions.</p>			
Credit: Math			

Mathematics

Bridge to College Mathematics	FY	Grade 12	Prerequisite: Special Permission Required
<p>The course curriculum emphasizes modeling with mathematics and the Standards for Mathematical Practice found within Washington K-12 Mathematics Learning Standards (the Common Core State Standards, CCSS-M). Topics include building and interpreting functions (linear, quadratic & exponential), writing, solving and reasoning with equations and inequalities, and summarizing, representing, and interpreting data. The course is designed to focus on building conceptual understanding, reasoning and mathematical skills and provides students engaging mathematics that builds flexible thinking and a growth mindset. For seniors who score in Level 2 on the Smarter Balanced 11th grade assessment and are successful in this course (B or better), the Bridge to College Mathematics Course offers an opportunity to place into a college-level course when entering college directly after high school.</p>			
Credit: Math			

AP Computer Science	FY	Grades 10–12	Prerequisite: Algebra II (Completed or enrolled)
<p>Want to learn how to write computer programs that can change the world? Start here, using Python as a primary tool and incorporating multiple other languages for programming. This course develops computational thinking, generates excitement about career paths that utilizes computing, programming, and introduces tools that foster creativity and collaboration. This course can be a student's first course in computer science, although it encourages students without prior computing experience to start with application development. CSE helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cyber-security, and simulation. This is an AP Class and upon successful completion and assessment may earn College Board credit. (Students must be enrolled in or have completed Algebra II or Math III)</p>			
Credit: Math			

Physical Education

Total Fitness	S1/S2	Grades 10–12	
<p>This course is designed to introduce personal development in health-related fitness and physical skills. This ultimate cutting-edge workout will challenge both the beginner and advanced students who seek to create fitness goals. The units in this course will focus primarily on the development of muscular strength, muscular endurance, mobility, flexibility, and cardiovascular endurance. Students will be introduced to a series of workouts such as circuit training, obstacle courses and High-Intensity Interval Training (HIIT). Students will learn the proper form with all the techniques to assist with their physical and mental development. We will use a series of assessments to monitor students' progress throughout the semester. The students will have opportunities to learn life-long physical activities and will leave the course with an array of skills that will help them stay healthy over the course of their life.</p>			
Credit: Physical Education			

Physical Education	S1	Grades 9–12	
<p>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.</p>			
Credit: Physical Education			

Physical Education

Health	S2	Grade 9	
<p>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.</p>			
Credit: Physical Education			

Weights	S1/FY	Grades 9-10	
<p>Weights is a course that helps students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning. May include components such as conditioning.</p>			
Credit: Physical Education			

Advanced Weights	FY	Grade 10-12	Prerequisite: one full year of Weights
<p>Weights is a course that helps students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning. May include components such as conditioning. Advanced weights is for students who have already taken a full year of regular weights.</p>			
Credit: Physical Education			

Science Lab Science

Principles of Engineering	FY	Grades 9	Prerequisite: B or Better in Algebra
<p>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.</p>			
Credit: Science with Lab or CTE			

Biology	FY	Grades 9–12	Prerequisite: NONE
<p>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. It is designed to familiarize students with lab processes and safety skills. Labs and project-based learning.</p>			
Credit: Science with Lab			

Advanced Biology w/ Ecology	FY	Grades 10–12	Prerequisite: Biology
<p>Advanced Biology will be based on plant, vertebrate, and invertebrate diversity and classification. Labs and dissections will make up most of the course.</p> <p>Ecology is the study of organisms and their interaction with their environment. Topics include understanding aquatic and terrestrial biomes, invasive species, keystone species, and human impact, with local examples in priority. Possible field trips to the salmon hatchery, wind farm, wildfire sites, natural history museum, etc.</p>			
Credit: Physical Education			

Chemistry in the Community	FY	Grades 9–12	Prerequisite: NONE
<p>Chemistry in the Community is designed to look at how chemicals impact our daily lives, both in ways that are good and bad. We will be looking at how society makes decisions regarding the chemicals that enter our community and how citizens can be part of that process and ensure that the best decisions are made.</p>			
Credit: Science with Lab			

Science Lab Science

Chemistry 110 -UW CiHS	FY	Grades 10–12	Prerequisite: B or Better in Algebra
<p>This class gives you the chance to earn UW credit while a student at Royal High School! This class is an introduction to general chemistry with an emphasis on developing problem solving skills. It covers basic concepts of chemistry along with the mathematics required for quantitative problem solving.</p>			
Credit: Science with Lab			

BioMedical Science	FY	Grades 9–12	Prerequisite: NONE
<p>Principles of Biomedical Science (1 year) In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. This course is designed to introduce students to medical careers in an independent and rigorous format. First of a four-course sequence.</p>			
Credit: Science with Lab, or CTE			

Human Body Systems	FY	Grades 11–12	Prerequisite: BioMed or Instructor approval
<p>This course takes the place of the class previously titled Human Anatomy and Physiology. Students examine the interactions of human body systems as they explore identity, power, movement, protection and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This course will take the place of the class previously titled Human Anatomy and Physiology.</p>			
Credit: Science with Lab, or CTE			

Science Without Lab

Introduction to Agriculture	S	Grades 9–12	
<p>Introduction to Agriculture: (9-12) A semester survey course of agriculture industry topics exposing students to the many and varied types of agriculture/agriculture related career opportunities. The specific topics may include: agriculture careers, basic animal science, plant & horticulture science, vegetable, fruits/grapes & tree fruits, agronomy: irrigation, soils & field crops, agriculture chemistry and pest management, agriculture engineering and agriculture leadership development.</p>			
Credit: Science or CTE			

AP Computer Science	FY	Grades 10–12	Prerequisite: Algebra II (Completed or enrolled)
<p>Want to learn how to write computer programs that can change the world? Start here, using Python as a primary tool and incorporating multiple other languages for programming. This course develops computational thinking, generates excitement about career paths that utilizes computing, programming, and introduces tools that foster creativity and collaboration. This course can be a student's first course in computer science, although it encourages students without prior computing experience to start with application development. CSE helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cyber-security, and simulation. This is an AP Class and upon successful completion and assessment may earn College Board credit. (Students must be enrolled in or have completed Algebra II or Math III)</p>			
Credit: Science, CTE or Math Elective			

Natural Resources	FY	Grades 9–12	
<p>This course will cover areas of Environmental Science, Natural Resources, Wildlife Management, and Outdoor Recreation. Units of study will include ecosystems, soils, water, wildlife habitat, wildlife identification, outdoor survival, rangeland management, GPS technology, and geocaching. Students will have the opportunity to build a fishing rod as part of the course and understand the importance of the natural resources in our world and community.</p>			
Credit: Science or CTE			

Science Without Lab

Horticulture	FY	Grades 9–12	
<p>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.</p>			
Credit: Science or CTE			

Animal Science	FY	Grades 9–12	
<p>This course is focused on breeds, care, feed and maintenance of animals kept as pets and livestock. This course focuses on livestock production, care and feeding, health, welfare, evaluation, sales, marketing, veterinary science and food science. Cooking, labs, lectures, and field trips are all a part of this course as well as keeping up to date on events in the livestock industry.</p>			
Credit: Science or CTE			

Social Studies

AP Government	FY	Grades 12	
<p>Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, this course provides students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies and foundational documents. The courses generally cover foundations of American democracy, interaction among branches of government, political beliefs and behaviors, political participation, and civil rights and liberties.</p>			
WA STATE Course Code: 04159			Credit: Social Studies

Government	FY	Grades 12	
<p>The 2 semester U.S. Government—Comprehensive course provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.</p>			
WA STATE Course Code: 04151			Credit : Social Studies

Washington State History	S	Grades 9–12	
<p>Washington state history courses include study of the culture, history, and government of the American Indian people who were the first inhabitants of the state. 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 the naming of cities, mountains, dams, rivers, and other geographical features.</p>			
			Credit : Social Studies

Social Studies

United States History	FY	Grades 11	
<p>U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.</p>			
Credit: Social Studies			

AP United States History	FY	Grades 11	
<p>Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, the AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critical problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past. This is a rigorous, in-depth course that allows students the opportunity to earn college credit if they pass the A.P. Exam. Students will be required to complete summer reading assignments.</p>			
Credit : Social Studies			

World History	FY	Grade 9	
<p>Modern World History courses provide an overview of the history of human society in the past few centuries—from the Renaissance period, or later, to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments. The first half of this course studies the world's peoples and nations from the 1700's to late 1800's. The second half of the course studies the history of western man from the late 1800s to World War II.</p>			
Credit : Social Studies			

Future Living

Career Choices	FY	Grades 10	
<p>This is a course that will help sophomores prepare for life after high school. This course will focus on the financial side of life: Saving and Budgeting, Credit and Debt, Financial Planning and Insurance and Income, Taxes and Giving. This course follows the nationally acclaimed curriculum of Dave Ramsey. This is a vital course that will jumpstart your financial freedom for all those who will take its concepts to heart and implement them into their lives. This course is offered in conjunction with Career Choices. This course is designed to give each student a period to focus on career exploration. We will spend time researching job interests and opportunities, as well as the skill you will need in order to meet your career goals. We will work on interviewing skills and job application procedures needed to impress a potential occupation that will be interesting and financially rewarding. This course is offered in conjunction with Personal Finance.</p>			
Credit: Future Living or CTE			

Introduction to Leadership	FY	Grades 9–10	Permission from Mr. Smith
<p>This course is designed to instruct students in the various methods and techniques for planning, implementing and evaluating projects related to school activities with an emphasis on school spirit. Activities include public speaking, group dynamics, creative visuals and self/group reflection. Students are required to get out of their comfort zone and take initiative in all class projects. Students will be required to complete projects outside of class time often. Application is required.</p>			
Credit : Future Living			

Leadership	FY	Grades 11–12	Permission from Mr. Smith
<p>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 regularly. Application is required.</p>			
Credit : Future Living			

Future Living

Independent Living	FY	Grades 9–12	
<p>A full year introductory class designed to acquaint students with multiple areas of home and family life. Units include: financial and career planning, food & nutrition, child development & baby care, and sewing & apron construction. Students will engage in projects including: keeping a financial record, filling out a job application, cooking (and eating), caring for a RealCare electronic baby, and sewing an apron.</p>			
Credit: Future Living or CTE			

Early Childhood Education	FY	Grades 10–12	
<p>Students work with children in an onsite preschool. Students will: Receive an overview of the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals, and programs in action. Develop knowledge and skills to ensure good health, nutrition, and safety of children in -group care and education programs. Recognize the signs of abuse and neglect, responsibilities for mandated reporting, and available community resources. This course will provide the student an opportunity to apply best practice for engaging in nurturing relationships with children in an early learning setting. Focus on keeping children healthy and safe while promoting growth and development.</p>			
Credit : Future Living or CTE			

Introduction to Foods	FY	Grades 9–12	
<p>This hands-on course is designed to familiarize students with nutrition, kitchen safety and food preparation, as well as planning and preparing food for special events. Units include: nutrition, food safety, quick breads and yeast breads, meat and poultry, appetizers, cake decorating and food presentation. Students will demonstrate food handling and preparation techniques, plan and prepare foods for class competitions, and use a variety of kitchen equipment. You will obtain a Food Handler's Permit certification. In semester two, the skills learned in semester I are applied. 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 CTE (vocational) half credit and is offered in conjunction with semester I.</p>			
Credit : Future Living or CTE			

Future Living

Advanced Foods (Café 116/Royal Roast)	FY	Grades 11–12	Prerequisite: Successful competition of Introduction to Foods AND instructor approval
<p>Advanced Culinary prepares students for many contemporary employment opportunities within the restaurant and hospitality industries as professional culinarians. Some of these positions include, but are not limited to, institution and cafeteria cooks, private household cooks, food preparation workers, food service managers, chefs and head cooks, and line and prep cooks in all areas of restaurant and hospitality industries.. Students will be provided with the essential skills of sanitation, foundational and advanced cooking and baking, various ethnic and regional cuisines, as well as operations and production in order to reach their career goals and to be competitive in the marketplace. Menu planning, catering, and running Cafe 116 is part of this course's experiential learning. Students will also receive hands on barista training and will work at Royal Roast as part of our curriculum.</p>			
Credit: Future Living or CTE			

Administrative Support I	S/FY	Grades 11–12	Permission from Teacher
<p>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.</p>			
Credit : CTE			

2024/2025 Course Offerings

English	Math	Science	Social Studies
<ul style="list-style-type: none"> English 9 English 10 Variations in American Literature Applied Comm. Advanced Writing *Hon. Eng. & English 101 CHS (grades 11-12) English Bridges 	<ul style="list-style-type: none"> Applied Algebra Algebra I Geometry Algebra II Math Bridges AP Statistics AP Pre-Calculus AP Calculus AP Comp. Science 	<ul style="list-style-type: none"> Ag. Physical Science Animal Science Biology BioMedical Human Body Systems Horticulture Chemistry in the Community Chemistry Astronomy AP Chemistry AP Computer Science 	<ul style="list-style-type: none"> World History United States History AP United States Hist. Government AP Government

World Language	Physical Education	ELD	
<ul style="list-style-type: none"> Spanish I Spanish II 	<ul style="list-style-type: none"> Health PE Total Fitness Weights Advances Weights 	<ul style="list-style-type: none"> ELD Emerging ELD Intermediate ELD Advanced 	

2024/2025 Course Offerings

Fine Arts	Aides	Leadership	Miscellaneous
<ul style="list-style-type: none"> • Art • Art Appreciation • Ceramics • Digital Photography • Concert Band • Concert Choir • Chamber Choir • Music Appreciation 	<ul style="list-style-type: none"> • Administrative Support • Tech Support 	<ul style="list-style-type: none"> • Intro to Leadership • Leadership 	<ul style="list-style-type: none"> • Yearbook

Career and Technical Education (CTE)

Family & Con. Sci	STEM	Business	Agriculture
<ul style="list-style-type: none"> • Independent Living (FY) • Early Childhood Education • Foods I (S1) • Foods II (S2) • Advanced Foods (FY) 	<ul style="list-style-type: none"> • Intro to Game Design (S) • Digital & Multi. Des. (S) • Video Production • eSports • Computer Science Essentials • AP Comp Science • Cyber Security • Intro to Engineering • Principles of Engineering • Tech Support • BioMedical • Human Body Systems 	<ul style="list-style-type: none"> • Personal Finance (S1) • Career Choice (S2) 	<ul style="list-style-type: none"> • Intro to Ag • Horticulture • Floriculture • Ag Mechanics • Woods • Natural Resources • Animal Science • Ag. Leadership

Important Considerations Concerning Schedule Requests

Reading, ELD, and Bridge Classes

- Students will be automatically placed in these classes based on need.
- If you feel like an error has been made, please speak with your school counselor.
- If you want to get out of an Academic Support class, a parent meeting will be required to discuss your concerns.

English 101 College in the High School

- This course requires students to meet college admissions standards either through a placement test or your SAT, ACT or SBAC test scores.

AP US History

- Students are automatically placed into US History. If you would like to take AP US History please sign up with your school counselor and your schedule will be corrected.

Math

- Students will be hand placed into math classes based on their credits and needs.
- If you feel like an error has been made, please speak with your school counselor.
- All students **MUST** be in a math class until they have earned the credits required for graduation. If you do not have a math class, it is your responsibility to speak to the school counselor to get your schedule corrected.

Leadership/Intro to Leadership

- Students can pick up leadership applications from Mr. Smith.

Administrative Support and Tech Support

- If you want to be in administrative support (formerly known as TA or Office Aid) or tech support you will need to get approval from your teacher of choice.
- Turn in signed forms to the school counselors who will then update your requests.

