

2022-2023

Academic PLANNING Guide



Rainier Jr/Sr High School

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Our mission is to build a *spirited learning community that is student centered, safe, academically focused, and dedicated to preparing every student for success in the global society in which we live.*

Purpose of Academic Planning Guide

Long range planning is essential for the attainment of goals and dreams. This guide is a document that students and parents can use to develop a course of study to complete the requirements for a high school diploma and choose courses that will prepare them for their future plans.

This guide lists courses offered at RJSHS, as well as giving you a brief description of each course. As we begin our process to determine the class schedule, it is important that you know that we develop our schedule based on student forecasting. Classes not receiving sufficient interest will not be offered. It is important that students and parents carefully choose classes so that we can build a course schedule that meets student needs.

Please read the information in this guide carefully as you develop a plan for your future.

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Academic Policies

Credits

Credits are the units we use to measure academic progress. All classes are 0.5 credits per semester. A semester class earns 0.5 credits; a full-year class is 1 credit. Students need at least 25 specific credits to graduate. Students may earn 7 credits in a regular schedule each year or 28 credits in four years. Students should plan to take a full load of classes all four years to prepare for study beyond high school.

Class Attendance

Reliable attendance and punctuality are critical life-long skills. Performance in class through collaborative activities is essential to student learning and assessment, but students must be present to participate. For students to reach their full potential it is crucial to avoid absences.

Grades

Grade point average (GPA) is computed on a four-point scale: A=4, B=3, C=2, D=1, and F=0. Grades are not weighted according to difficulty of subject content, however, many colleges give greater value to grades received in advanced courses.

Athletic/ Activity Eligibility

In addition to the academic program, students may develop important skills through sports, student government and a variety of clubs. Students are eligible for activities and athletics as long as they have met both OSSA and District requirements.

OSSA Requirements

- * Passed five semester courses the previous semester and are enrolled in at least five semester courses currently
- * Met the minimum satisfactory progress towards graduation and fulfilled the credit requirements set by OSSA at the beginning of each school year
- * Not been declared ineligible by administration
- * Not been dropped from the activity or sport by the Advisor or Coach

District Requirements

- * Must be passing all classes every 4 weeks at grade checks, may be on probation or academically ineligible based on previous grade check

Availability of Courses

Students forecast for the next year's classes in the spring when they request classes with the input of their teachers, counselors and parents. The forecasting process will specify which classes are required at each grade level. Students should choose at least three alternate elective courses in case their first choice electives are not available or are canceled based on forecasting interest or staffing.

Changing a Class

Class schedules are final after the first ten days of classes. Any legitimate schedule change must be requested before the tenth day and approved by administration. The school reserves the right to change student schedules if needed to balance class loads.

Dropping a Class

Before the tenth day of the semester, students with a legitimate reason, such as lack of prerequisite or inappropriate placement, may request a class be dropped. Dropped classes will not show up on the transcript. Dropping a class after the first ten days will result in a WF on their transcript which impacts their GPA as an F.

Repeating a Class for Credit

Students may repeat a required class for credit if:

- The initial grade in the course is a D or F.
- On the second attempt, the student must earn a **"C"** or better to get credit for the course.

The grade received the first time will remain on the transcript, along with the grade received the second time. Both grades will contribute to the student's GPA. Permission to retake a required class will depend on space available in that class.

Credit Recovery

Students may make up classes they have previously failed by completing

- On-line accredited high school courses
- Summer School
- Courses at other accredited educational institutions

Please consult with your counselor for the option that is best for you.

High School Credit Earned in Middle School

High school level courses taken prior to ninth grade will be recorded on the high school transcript and be included in the cumulative grade point average. High school credit will be granted unless specifically requested otherwise in writing by the parent. Courses will be shown in chronological order on the transcript. Once a middle school student receives high school credit they may not take the course again at the high school to improve their cumulative grade point average. Middle

school staff will notify parents of the option for having the credit removed from the transcript. The removal form must be completed before the end of the first 12 weeks of the student's freshman year. Copies of the parent's request will be maintained in the student's cumulative file at the high school.

Late Arrival/Early Release for other Credit Programs

Freshmen, sophomores, and juniors are required to take seven courses each semester. Seniors may be granted an early release or late arrival for the following reasons:

- Structured work experience for credit
- Completing a service learning project for credit
- Completing an internship in the community
- Accessing off-campus college opportunities
- Other reasons approved by administration

An application form must be filled out and approved by the parent, counselor and principal.

Elective Credit by Work or Volunteer Experience

The Work Experience Program allows students to earn high school credit while learning important life skills through employment and/or volunteer work. Forms and requirements are available in the counseling office.

Valedictorian and Salutatorian Selection

Those students receiving an Honors Diploma who earn the highest grade point average and rank number one in the class by the end of the eighth semester or will become class valedictorians. In the event of a tie, all students who earn the top GPA will receive this award. Students must be enrolled full time in both junior and senior years.

Students receiving an Honors Diploma who earn the second highest grade point average in the class by the end of the eighth semester will become class salutatorian. In the event of a tie, all students who earn the second highest GPA will receive this award.

While recognition for class honors is primarily one of academic achievement, the Rainier School District, reserves the right to deny or to revoke class honors to any student who is found to have engaged in illegal actively and/or behaviors contrary to school policies and rules which bring dishonor to himself/herself or to the district while enrolled in high school. Such a decision to deny class honors shall be made by the high school principal and shall be subject to the appeal to the district superintendent, whose decision shall be final.

College Credit Opportunities

Students have several options to earn college credit while still enrolled in high school. College credit opportunities are subject to change based on teacher certification.

Dual Credit

Students enrolled in the following courses have the opportunity to earn college credit. Teachers will review specific requirements for each course.

Oregon Tech (OIT)

RJSHS Course Title	OIT Course #	College Credit
College Algebra	Math 111	4 credits
Trigonometry	Math 112	4 credits
Differential Calculus	Math 251	4 credits
Integral Calculus	Math 252	4 credits

Clatsop Community College

RJSHS Course Title	CCC Course Title	College Credit
Computer Applications	OA121, OA205, CSL107, MIC145	2-14 credits
Accounting 1	BA 131	3
Accounting 2	BA 132	3
Personal Finance	BA 218	2
Marketing	BA 223	3

Tillamook Bay Community College

RJSHS Course Title	TBCC Course Title	College Credit
Advanced Welding	AG 221	4 credits
English Composition	Writing 121	4 credits
Writing Arguments	Writing 122	4 credits

Umpqua Community College

RJSHS Course Title	UCC Course Title	College Credit
Agricultural Business	AG 120	3-4

Lower Columbia College

RJSHS Course Title	LCC Course Title	College Credit
Computer Applications	BTEC 104, BTEC 100	3-8
Accounting	ACCT 101	5

Rainier School District Regular Diploma Requirements

Please contact the High School Counseling Office for more details.

Category	Credits
Applied/Fine Arts, Career/Technical Education, and/or World Language	3
English Language Arts	4
Health	1
Mathematics (must be Algebra 1 level and above)	3
Physical Education	1
Science	3
Social Sciences	3
Consumer Finance and Economics (Senior Project)	1
Electives	6
Total Credits	25
Personalized Learning	
Educational Plan & Profile	X
Career-Related Learning Experiences	X
Extended Application (Senior Project)	X
Essential Skills	

Read & Comprehend a Variety of Text	X
Write Clearly & Accurately	X
Apply Mathematics in a Variety of Settings	X
*Please note that graduation requirements are subject to change based on changing Oregon Department of Education graduation requirements	

Rainier School District Honors Diploma Requirements

In addition to meeting requirements for a regular RHS diploma, students must meet the following requirements to earn their Honors Diploma. It is the responsibility of the student to forecast for the classes toward earning an Honors Diploma. Make sure you are aware of these requirements and see your counselor with any questions.

INSTRUCTIONS:

Check off requirements for each row.

Grade Point Average	3.5 cumulative GPA by end of 12 th grade Semester 1
At least 6 credits from this menu of college-prep courses	CP Physics CP Anatomy & Physiology CP Chemistry College Calculus (Math 251/252) College Algebra/Trig. (Math 111/112) ☐ Honors 9 Language Arts ☐ Honors 10 Language Arts ☐ Honors American Literature ☐ College Writing 121/122
World Language	World Language (2 consecutive years of the same language)
Total Credits	28 Total Credits

Rainier School District Modified Diploma Requirements

Category	Credits
Applied Arts/Fine Arts/World Language	1
English	3
Health	1
Mathematics	2
Physical Education	1
Science	2
Social Studies	2
Consumer Finance and Economics (Senior Project)	1
Electives	11
Total Credits	24
Personalized Learning	
Educational Plan & Profile	X
Career-Related Learning Experiences	X
Extended Application	X
Essential Skills*	
Read & Comprehend a Variety of Text	X
Write Clearly & Accurately	X
Apply Mathematics in a Variety of Settings	X
*Essential skills assessments may be modified consistent with modifications a student has been receiving.	

Rainier School District Extended Diploma Requirements

Category	Credits
Applied Arts/Fine Arts/World Language	1

English	2
Health	1
Mathematics	2
Physical Education	1
Science	2
Social Studies	3
Total Credits	12*
*Of the 12 credits, no more than 6 may be earned in a self-contained special ed. classroom.	

Course Information

Credit: The unit of record given for the successful completion of any subject. Credits are earned by students as follows:

0.5 credit for each semester

1 credit for full year course

Prerequisite: A specific course (or courses) that must be taken beforehand.

Required Courses: Courses made mandatory by the Oregon Board of Education or Rainier School District. All students must pass each required course before a diploma will be granted.

Elective Courses: All other courses not listed as “Required.” These courses allow students to pursue vocational or vocational interests.

Instructor Approval: Consent of an instructor to enroll in a class without completing the required Prerequisites.

Course title	Grades Eligible for Course	Required classes to be eligible	Brief Description of Course
Advanced Welding	Grade: 10, 11, 12	Prerequisite: Introduction to Welding	
<p><i>College Credit Option: 3-4 college credits: CCC & TBCC</i></p> <p>This year long course includes the basic skills, safety, and technology of shielded-metal arc welding (SMAW), oxy-acetylene (OA) welding and cutting, project design, and CNC plasma cutting. The class focuses on beginning career skills, safety, work ethic, and career opportunities. This course uses a lecture/lab format, which includes classroom discussions, lab demonstrations, and shop time. Students will be required to follow all safety regulations and complete common metal-working projects in accordance with class and industry standards.</p>			

English Language and Literature

9 Language Arts

Grade: 9

Students will communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards. Reading activities will cover a wide range of literary and nonfiction texts. Using and identifying textual evidence, and utilizing a variety of reading strategies will be mastered. Students will be accountable for learning new vocabulary while being assessed often. The emphasis is on adjusting to high school as we foster strong reading skills and written expression.

Graduation Requirement

(or Honors 9 Language Arts)

Honors 9 Language Arts

Grade: 9

Students will communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards. Students will cover a wider range and more advanced texts as well as delve deeper into both literary and nonfiction works in comparison with the 9th grade English course. Students will need to be organized, have a passion for improving their reading and writing, already have a strong work ethic, and be individually motivated to be successful in this course. Students must have earned an A or B in 8th grade English and Literature or have teacher approval to enroll. The emphasis is on adjusting to high school while learning how to delve into challenging topics as we foster strong reading skills and written expression.

10 Language Arts

Grade: 10

Prerequisite: 9 Language Arts

Graduation Requirement

(or Honors 10 Language Arts)

Students will communicate effectively through reading, writing, speaking, and listening as outline in the Common Core State Standards. Students should be prepared to actively engage in discussion, share their writing with others, and analyze complex texts. The focus will be on improving basic skills in both reading and writing to prepare for the 11th grade Smarter Balanced Assessment, including the emphasis of sentence combining to master complex sentence structures, vocabulary development, and close analysis of text. A variety of readings will be completed, encompassing non-fiction texts, novels, short stories, and poems. A research paper is also required.

Honors 10 Language Arts

Grade: 10

Prerequisite: 9 Language Arts with a B or higher, teacher approval

Students will communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards during this fast-paced course. Students should be prepared to actively engage in discussion, share their writing with others, and complete homework daily. This class is intensive in reading, writing and critical thinking and will challenge students in these areas. Students will begin preparation for the 11th grade Smarter Balanced Assessment, and the ACT and SAT tests. As with all English courses, students are required to read 20 minutes a day at home. Studies prove that reading is the best way to improve comprehension, vocabulary, critical thinking skills and school performance.

American Literature

Grade: 11

Prerequisite: 9 & 10 Language Arts

Theme: The American Dream. American Literature is a glance at the history of writing in America. The curriculum is aligned with U.S. History and projects are often combined. Students will communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards. To accomplish these goals, we read a variety of sources including plays, novels, short stories, poems, and non-fiction pieces and prepare for passing the required Smarter Balanced Assessment. This class is intensive in reading, writing and critical thinking and will challenge students in these areas. Additionally, students are required to read 20 minutes a day at home. Studies prove that reading is the best way to improve comprehension, vocabulary, critical thinking skills and school performance.

Graduation Requirement

(or American Literature - Honors)

Honors American Literature

Grade: 11

Prerequisite: 9 & 10 Language Arts, B or higher in previous English courses and teacher approval

Theme: The American Dream. This is a fast-paced course that will prepare students for college-level work. The curriculum is aligned with U.S. History to further delve into issues and gain a better understanding of the texts. Students will be expected to communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards. Students will work on SAT/ACT prep and prepare for and take the required Smarter Balanced Assessment. Additionally, students are required to read 20 minutes a day at home. Students planning on attending college should enroll in this course.

12 Language Arts

Grade: 12

Graduation Requirement

(or College English)

Prerequisite: 9 & 10 Language Arts, 11th grade American Literature

Theme: Have a Plan! Students will communicate effectively through reading, writing, speaking, and listening as outlined in the Common Core State Standards. In this class, students focus on topics such as government, poverty, and human rights. This course will help students develop practical school and life skills and the curriculum is aligned with 12th grade courses Government and Consumer Finance to complete the required senior project. Additionally, students are required to read 20 minutes a day at home.

College Writing 121/122

Grade: 12

Prerequisite: 3.0+ GPA in previous English classes, passing score on placement test instructor's approval

This course works with Tillamook Bay Community College to offer college-level classes and credits to students who are interested (WRI 121, WRI 122). Students will need to pass the placement test and pay for the college credits (cost TBD). If you qualify for free/reduced lunch, the fee is waived. Students may be required to purchase books for the course. Writing 121 centers on developing college-level writing skills and will cover MLA citations. In Writing 122, students learn how to write argumentatively and use MLA citations. This is a challenging class that will require a commitment to completing coursework outside of the school day. *Students may choose to take this class but not receive college credit.

Social Science and History

World History

Graduation Requirement

Grade: 9

This is a required course for freshmen. The units include: An introduction to geography and culture, ancient civilizations, the Dark Ages, nationalism, the Industrial Revolution, imperialism, immigration, the 20th century political revolutions, the World Wars, the Cold War. Over the course of the academic year students will be introduced to, and practice, a range of skills within the various disciplines of the Social Sciences. Students will work with maps, read and analyze primary source documents, and think critically about the complex world in which they live as well as their place in it. Students will present information to the class and be expected to contribute positively to the educational environment.

US History

Graduation Requirement

Grade: 11

Topics of study include: a review of American history before 1860, an in depth study of America since 1860 including Reconstruction, Imperialism, the Progressive Era, World War I, the Roaring Twenties, the Great Depression, World War II, civil rights, and recent presidents. It will also include American and world issues such as the Cold War, Korea, Vietnam, and the collapse of communism. Related economic, government, and geographic issues will be explored. Students will learn how past events have built and formed our culture and our country. The teacher provided material will be a major source of information as well as movies, documentaries, newspaper clips, audiotapes, and other books. Special attention will be given to cause and effect relationships. There is an emphasis on reading, writing, and speaking to learn content.

Government

Graduation Requirement

Grade: 12

Government topics include: the three branches of government, federalism, citizenship, constitutional issues, the political spectrum and current political issues. Oregon State and local government issues will be explored. Course instruction will be based on textbook reading, lectures, class discussion and projects. There is an emphasis on reading, writing, and speaking to learn content.

Psychology (online elective)

Grade: 11, 12

The nature and origins of mental and emotional experience are among the last and greatest unsolved scientific questions. Psychology is a field of study that examines these questions and attempts to apply the answers to practical problems. This psychology course provides a guided exploration and survey of major concepts, research, and theories that describe both animal and human behavior. Specific areas of study will include pseudo-psychology and critical reasoning, brain and body, learning and cognition, human development, consciousness, social psychology, sensation and perception. Students will also be expected to develop their own interpersonal skills and to monitor their own personal psychological well-being.

Sciences

Principles of Earth and Physical Science (PEPS)

Graduation Requirement

Grade: 9

Principles of Earth and Physical Science (PEPS) covers the basic concepts in Earth Science (weather, geology, hydrology, and astronomy) and Physical Science (chemistry and physics). The Earth Science portion of the course is an introduction to the parts of Earth. Students will investigate the lithosphere in a geology unit, the atmosphere in a weather unit, the hydrosphere in an oceans unit, the biosphere in a soils unit and beyond the atmosphere in an astronomy unit. The Physical Science portion of the course covers the basic concepts of chemistry and physics. Topics include lab safety and procedures, scientific method and measurements, atomic theory, periodic table, chemical reactions, nuclear reactions, motion, forces, energy, electricity, sound and light waves. Laboratory activities are a major part of this class, as well as weekly assignments out of the textbook. There is an emphasis on developing good study skills during the class. At least one science work sample meeting state requirements will be offered each semester.

Biology

Graduation Requirement

Grade: 10

Prerequisite: PEPS

This is a basic science class that explores the basic elements of Biology using labs, lectures and discussions, videos, and projects. Topics include the structure and function of cells, active and passive transport, cell division (mitosis and meiosis), DNA structure and its role in protein synthesis, Mendelian genetics, ecology and environmental systems, natural selection and evolution, and the role of classification systems in Biology. Additional topics include the structure and function of various plant structures as well as some basic Human

Biology (heart, lungs, skeleton, and muscles). Numerous laboratory exercises are used as appropriate and work sample opportunities meeting state standards are incorporated each semester.

Advanced Life Science

Grade: 11, 12

Prerequisite: PEPS and Biology

The first semester of this class explores life forms starting with simple bacteria and protozoa and continues on to more complex organisms in the animal kingdom including sponges, jellyfish, flatworms, roundworms, earthworms, snails, clams, octopus, insects, spiders, crayfish, sea stars, fish, amphibians, reptiles, birds, and mammals. The second semester is a study of environmental science. A project with many fun hands-on activities explores and solves an environmental problem. Students also learn to use various measurement techniques to explore the campus, its woodlands and wetlands and the diversity of plant and animal life found here. A work sample that meets state standards in science is included in this class.

Graduation Requirement

(or other 3rd year Science credit)

Horticulture

Grade: 10, 11, 12

Prerequisite: Agriculture

This is an introductory course in ornamental horticulture and greenhouse management. Students will learn fundamental skills relating to plant propagation, plant nutrition, floral arrangements and greenhouse and nursery production. There is also an emphasis on landscape design, in which students will create landscapes based on customer specifications. This class teaches the student how to propagate and grow plants in addition to learning to identify greenhouse and native species plants. Students learn through hands-on experiments, industry tours, and class participation about the importance and purpose of horticulture.

CP Anatomy & Physiology – College Prep

Grade: 11, 12

Prerequisite: B or better in PEPS and Biology (and Teacher Approval)

A full-year course that examines the human body's structure and function. The course begins with study of basic tissue structure, the skeletal system, and the muscular system. Additional study explores most of the body's organ systems and how they function. Dissection of a vertebrate specimen is included as well as lab work to explore the systems studied. A final project allows the student to utilize diagnostic skills learned in the class to diagnose and set up treatment plans for several "patients".

CP Physics – College Prep (offered every other year opposite CP Chemistry)

Grade: 11, 12

Prerequisite: A or B in PEPS and Biology (and Teacher Approval)

CP Physics is designed for the college bound student. The class is structured to help students develop the study skills and behaviors that will allow them to be successful in college in general, as well as establishing a knowledge of the concepts of physics, which will help them to be successful in college level physics, if they

choose to go in that direction. Additionally, they will gain an understanding and appreciation of how physics is involved in their daily lives. The class uses a textbook and homework, as well as making extensive use of a wide variety of laboratory activities. Mathematics and reasoning skills are developed and used throughout the year. Independent projects are required each quarter and may include the following: mousetrap-powered car, wind-powered lift, a truss, and a catapult. Topics include laboratory safety and procedures; scientific method and measurements; motion including accelerating objects, projectiles and satellites; Newton's laws and the effect of forces on objects; work, power and mechanical advantage; buoyancy and aerodynamics; heat, energy transfer, kinetic theory and the changes of state; electrical circuits; and waves including sound and electromagnetic radiation.

Mathematics

Algebra 1

Graduation Requirement

Prerequisite: Proficiency in Pre-Algebra 7/8

Algebra is a college-track course in which our main goals are to provide a solid foundation for further mathematics education, primarily in courses such as Geometry, Algebra 2, Pre-Calculus, and Calculus and to provide formal preparation for standardized tests (SAT, ACT, etc.). You will develop your thinking, decision-making, and analysis skills in this course. Topics covered include equations, functions, proportions, and polynomials. A scientific or graphing calculator is required.

Geometry

Graduation Requirement

Prerequisite: Algebra 1

Geometry is a college-track course. To get into most colleges and universities, you will need to take the SAT (Scholastic Aptitude Test) or ACT (American College Test). Approximately 40% of the questions on both the SAT and ACT are geometry related. Topics covered include the language of geometry, proof, reasoning, angle classification, measurement, angle pairs, slope, parallel and perpendicular lines, distance, midpoint, classifying triangles, angle measurement in polygons, congruency, similarity, special segments in triangles, inequalities, trigonometry, circles, polygons and area, surface area and volume, and word problems.

Intermediate Algebra

Grade 11, 12

Prerequisite: Algebra 1 & Geometry

This course can be taken in order to build algebra readiness for Algebra 2. Students may take this course to reinforce foundational Algebra skills after passing Algebra 1 and Geometry. Topics studied in this course will include investigating patterns, monomial, binomial, and polynomial functions, introduction to trigonometry,

statistics, and applications of geometry. Work samples and state testing opportunities will be given throughout the year. Scientific/graphing calculator is required.

Algebra 2

Graduation Requirement

Prerequisite: Algebra 1 & Geometry

Algebra 2 is a college-track course, and the minimum requirement for all 4-year colleges and universities. Topics covered include the expanding/connecting topics from Algebra1 and Geometry and introducing new topics such as Polynomial functions, finding zeros, complex numbers, exponential and Logarithmic functions, Trigonometry, word problems, probability and statistics. Scientific/graphing calculator is required.

Math 111 (College Algebra)

Prerequisite: Instructor Approval and satisfactory completion (C or better) in Algebra 2

This is a college-level course with the option of college credit through the Oregon Institute of Technology. This course can satisfy your college freshman math requirement at most colleges and universities. Students will need to pay for the college credits (\$30). If you qualify for free or reduced lunch, the fee is waived. This is a rigorous course with a more demanding workload than most high school courses including daily homework. The course will study functions including graphs, operations and inverses. Includes polynomial, rational, exponential, logarithmic functions and their applications, and systems of equations. Grading in this course is not proficiency based as it is a college level course. You will need a non-graphing scientific calculator. Students may choose to take this class but not receive the college credit.

Math 112 (College Trigonometry)

Prerequisite: Satisfactory completion (C or better) in College Algebra.

This is a college-level course with the option of college credit through the Oregon Institute of Technology. It is a continuation of Math 111 College Algebra. This course can satisfy your college freshman math requirement at most colleges and universities. Students will need to pay for the college credits (\$30). If you qualify for free or reduced lunch, the fee is waived. This is a rigorous course with a more demanding workload than most high school courses including daily homework. The course will study trigonometric functions and their applications. Topics include graphs, identities, trigonometric equations, vectors and complex numbers. Grading in this course is not proficiency based as it is a college level course. You will need a non-graphing scientific calculator.

Differential Calculus (Math 251)

Grade: 11, 12

Prerequisite: Instructor approval and satisfactory completion (C or better) in Trigonometry

This is a college-level course with the option of college credit through the Oregon Institute of Technology. Students will need to pay for the college credits (\$30). If you qualify for free or reduced lunch, the fee is waived. This is a rigorous course with a more demanding workload than most high school courses including daily homework. The course will study theory, computational techniques and applications of the derivative. Topics include limits, continuity, differentiation and applied problems. Grading in this course is not proficiency based, as it is a college level course. You will need a graphing scientific calculator.

Integral Calculus (Math 252)

Grade: 11, 12

Prerequisite: Instructor approval and satisfactory completion (C or better) in Differential Calculus

This is a college-level course with the option of college credit through the Oregon Institute of Technology. It is a continuation of Math 251 Differential Calculus. Students will need to pay for the college credits (\$30). If you qualify for free or reduced lunch, the fee is waived. This is a rigorous course with a more demanding workload than most high school courses including daily homework. The course will study computational techniques for and applications of the definite and indefinite integrals. Topics include indefinite integrals, definite integrals, integration techniques and applied problems. Grading in this course is not proficiency based, as it is a college level course. You will need a graphing scientific calculator.

Physical Education/Health

Health 1 and Health 2

Graduation Requirement

Grade: 9 (0.5 credit), 10 (0.5 credit)

Our health course is designed to provide each student with the knowledge and skills necessary to achieve and maintain an optimal state of well-being. Students will learn that health is primarily a matter of personal responsibility. A wide variety of activities will be presented to aid our students in their decision-making process. Units of study include nutrition, exercise science, human anatomy and physiology, sex education (parent request to opt out for alternative assignment is available), environmental health, personal hygiene, healthy relationships, first aid and CPR, communicable and chronic diseases among others.

PE 100 and PE 200

Graduation Requirement

PE 100 and PE 200 are two consecutive activity-based classes designed to teach basic sports skills, functional exercises, age-appropriate motor skills, citizenship, and sportsmanship to foster lifelong physical activity and healthy character traits. Content knowledge is infused within the curriculum to round out the development of the whole child: physical, mental, and social well-being.

Strength Training

Grade: 10, 11, 12

Prerequisite: B or better in PE 100 or PE 200 or Coach/Teacher Approval

A course designed to introduce the student to weight training, bodybuilding, and strength development through basic to advanced exercise and lift techniques. Areas include: circuit training, free weights, safety, stretching, and core muscle development. Technique is a major focus. The course includes beginning theories and techniques in fitness conditioning, bodybuilding and powerlifting.

World Language

Spanish 1

Prerequisite: C or better in last English course or instructor approval

Spanish 1 is a yearlong college-prep course that will prepare you for travel abroad, communicating with relatives and for the 21st century workplace. Emphasis is placed on the vocabulary and grammar needed for speaking, reading and writing in Spanish. You will gain a general knowledge and understanding of the history, geography, and culture of the Spanish speaking worlds. Students must pass with a C- or better to move on to Spanish 2. *A workbook fee is required for this course.*

Spanish 2

Grade: 10, 11, 12

Prerequisite: C or better in Spanish 1 or instructor approval

Spanish 2 is a yearlong college-prep course that builds upon the vocabulary and grammar gained in Spanish 1. Students will learn about life in other countries as they develop their ability to communicate with other Spanish speakers. Emphasis is on communication in a variety of everyday situations. You will gain a deeper knowledge and understanding of the history, geography, and culture of the Spanish speaking worlds. *A workbook fee is required for this course.*

Fine/Performing Arts and Music

Studio Art

This one-year course introduces students to the Elements of Art and Principles of Design while developing drawing skills, painting techniques, and 3-dimensional art. Studio experiences in the classroom will give students opportunities to experience a variety of media (pencil, pen, ink, charcoal, pastel, watercolor, and acrylic paint) while developing the student's individual style and creative problem solving skills. Students will demonstrate their ability to respond, to analyze, and to interpret their own artwork and the work of others through discussions, critiques, and writings. We will explore a wide range of materials not previously used in Junior High class. Students are graded on their artistic process (including daily progress and time use in class), work completion, and originality. Students are expected to adhere to a respectful, responsible, and safe working environment while in the art studio.

Advanced Studio Art

Grade: 10, 11, 12

*Prerequisite: One year of Studio Art, B or higher in all art courses, **and** instructor's approval.*

This class is an upper level course offered for serious art students who would like to undertake greater artistic challenges through the process of visual problem solving and individual creative inquiry. Advanced Studio Art is a continuation of Studio Art with a focus on improving composition, technique, expression, inventiveness, originality, personal style, and conceptual skills in individual works of art.

Advanced students are expected to build upon previous knowledge by applying it to all studio work in the curriculum. The course will rotate between larger, creative projects and shorter technical projects. Assigned creative projects explore a variety of media, subject matter, and conceptual problems inspired by historical and contemporary artistic practice. Later coursework will push students toward building their portfolio and designing their own final project.

Design & Craft

Grades 9 (with instructor permission), 10, 11, 12

Prerequisite: Basic drawing skills (or a willingness to practice these)

This is a combined 2D and 3D design course with an emphasis on learning and applying design principles and design thinking to make decisions about handmade and digital projects. This course will challenge students to make beautiful and functional pieces through a deep understanding of what makes 'good' design.

Students will learn introductory digital design skills (Photoshop/Illustrator/TinkerCAD) as well as work with more traditional art/craft mediums like paint, ceramics, metal and printmaking. As the year progresses, students will begin combining handmade processes with digital skills to make shareable visual works.

Creating and evaluating content and branding will be covered and the end of the year projects will empower students to practice their own branding skills. Students will be graded on their ability to apply design skills, take creative risks and participate to the fullest extent. Students are expected to adhere to a respectful, responsible, and safe working environment while in the art studio.

Yearbook

Prerequisite: Teacher approval (application available in counseling office)

In this course students will gain skills in one or more of the following areas: page design, advanced publishing techniques, copywriting, editing and photography while producing a creative, innovative yearbook which records school memories and events. Units of study include teamwork, responsibility, brainstorming, content, coverage, concept, reporting, headlines, captions, editing, photography, typography, design, graphics, advertising and distribution.

Band

Prerequisite: (Highly recommended, but not required) Ability to read music and two years prior experience on a band instrument.

This class will focus on developing performance techniques for various musical styles. The band performs at concerts and music competitions. Band members are expected to play in the pep band at home football and basketball games. All band members will need special performance attire for concerts. Attendance of performances are mandatory.

Choir

Prerequisite: A desire to improve singing skills in a group setting.

This class will focus on performance techniques for various musical periods and styles. Emphasis will be placed on reading music, sound production and ensemble singing. There will be a number of performance opportunities including concerts, league and district choral competitions, and other community events. All choir members will need special performance attire for concerts. Attendance at all performances is mandatory.

Guitar 1/2

Prerequisite: Guitar 1 before Guitar 2 or instructor approval.

Want to learn how to play guitar? Want to learn how to play guitar better? *Guitar I* will be for students to learn the basics of guitar, and for those with no or very little experience. Students will learn many different styles, skills, and techniques required to be a successful guitarist. We will focus on correct posture, note and chord reading, rhythmic patterns, picking styles, musical forms, and some limited performing experiences. *Guitar II* is the intermediate course for students who successfully complete *Guitar I*, or have previous experience. This course will offer further development of the skills necessary to become more independent as a guitarist. Areas of focus will include those of *Guitar I*, plus improvisation. These courses may be repeated for music credit.

Digital Audio Production

This course is designed as an introduction to computer based recording, editing, mixing, and production of sound. Students will gain experience using a DAW (digital audio workstation) for music and sound production. Students will develop knowledge of how sound is digitally produced and recorded. Hands-on experience will be explored with live recording, mixing, and mastering projects. As a music course, students will also understand the aesthetics of sound, with the goal of producing appealing audio works using professional software and equipment.

Business Education

Computer Applications

*College Credit Option: 10 Lower Columbia College credits or 12 Clatsop Community College credits**

Students demonstrate creative thinking and problem solving, construct projects, and develop innovative products and processes using the Google Suite for Education. Docs, Sheets, Slides, Forms and Sites are covered. Desktop publishing will be taught with Canva and Photo editing using PIXLR. Students are also taught to key by touch and given daily opportunities to perfect this important skill. HTML5/CSS basics are taught in order to create a website promoting a student-created business. 3-D drawing in Google Sketchup will also be covered along with basics in event-based game design and video editing. *Entire year must be completed in order to gain college credit. *Entire year must be completed in order to gain college credit.

Advanced Computer Applications (Computer Programming, Design, and Game Creation)

Grade: 10, 11, 12

This course is designed for students wishing to expand their experience with computer technology in a variety of different areas. Students will learn programs such as Powtoon, Scratch, 3D design (Google Sketchup), Desktop Publishing (Canva), Photo Editing (Pixlr), Web Page Design (HTML5, CSS), Game Design (Game Salad), Video Editing (WeVideo), and Photo Montage Creation (Adobe Spark). Any one of these programs could provide a year's worth of opportunities, but the goal is to spark students' interests in order to determine if they might want to pursue a career with a focus on one or more of these areas.

Accounting

Grades: 10, 11, 12

College Credit Option: 3 Clatsop Community College credits

Accounting is the “language of business” and essential for any students considering business as a college major or minor. Accounting is a one-year course designed to give students a foundation of the accounting system for a sole proprietorship, partnership and corporation. Students will learn how to start an accounting system, analyze transactions into debit and credit parts, journalize and post business transactions, and prepare month end reports. Students will also learn to use an automated accounting system created in Google Sheets. This course gives students an accounting foundation for college accounting or for working in a small business. There is an articulation agreement with Clatsop Community College if a student earns a grade of an A or B.

Consumer Finance and Economics

Graduation Requirement

Grade: 12

*College Credit Option: 3 credits through Lower Columbia College**

This course is designed to prepare individuals to make wise decisions in the marketplace. Students will examine needs, wants, priorities, and resources. They will learn to budget resources to reach financial goals through creative problem solving. The information gained will help students make wise economic decisions including choices about credit, transportation, housing, insurance, banking, and other financial concerns an individual faces. In addition, students will complete an employment unit which will result in completion of a job application, resume, letter of application, and ultimately a mock job interview and thank-you letter. A job shadow and completion of community service is integrated in this course. Basic economic theory will also be covered with a focus on how each concept is currently affecting the world and business environment.

Career and Technical Education

Intro to Welding

Grade: 10, 11, 12

Prerequisite: Introduction to Agriculture

This year-long course includes the basic skills, safety, and technology of shielded-metal arc welding (SMAW), oxy-acetylene (OA) welding and cutting. The class focuses on beginning career skills, safety, work ethic, and career opportunities. This course uses a lecture/lab format, which includes classroom discussions, lab demonstrations, and shop time. This is an outcome based course that allows students to work at their own pace within the confines of the class. Students will be required to follow all safety regulations and complete common metal-working projects in accordance with class and industry standards.

Advanced Welding

Grade: 11, 12

Prerequisite: Introduction to Welding

This year-long course includes the basic skills, safety, and technology of shielded-metal arc welding (SMAW), oxy-acetylene (OA) welding and cutting, project design, and CNC plasma cutting. The class focuses on beginning career skills, safety, work ethic, and career opportunities. This course uses a lecture/lab format, which includes classroom discussions, lab demonstrations, and shop time. Students will be required to follow all safety regulations and complete common metal-working projects in accordance with class and industry standards.

Agricultural Science and Technology

Intro to Agriculture

Grade: 9, 10

This course is designed to give students the opportunity to learn about all aspects of agriculture. We will cover general knowledge of agriculture to expose students to career opportunities. Many of our units are aligned with Career Development Events (CDEs) to expose students to the FFA. Students will explore soils, ag sales, agriculture public speaking, parliamentary procedure, and plant and animal science. Additionally, we will explore different CDEs that students can choose as an interest area to learn about.

Horticulture *(See description in Science section of this guide)*

Agricultural Business

Grade: 11, 12

Prerequisite: Introduction to Agriculture

College Credit Option: 3-4 college credits Umpqua Community College

This course will develop and promote students' knowledge in the areas of agriculture business and leadership through the Rainier Agricultural Science and Technology Program. The course will focus on agricultural business and management techniques needed by those who are making the decisions within an agribusiness. The class will explore local and outside target markets, develop, and conduct agricultural industry competitive analysis. Students will gain academic, career, professional, and employability skills through the school's Career & Technical Education businesses. The high school's greenhouse business, CNC plasma cutting table, vinyl cutter, and livestock operation will be used as the context for this course. This course will also give students an opportunity to plan and carryout FFA chapter functions.

Agricultural Leadership

Grade: 11, 12

Prerequisite: Introduction to Agriculture

College Credit Option: 3-4 college credits Umpqua Community College

This course is designed to specifically train students as team leaders for the workplace. This is an activity-based course designed to help students develop responsibility, initiative, creativity, school pride, and leadership skills. Students learn how to manage capital, labor and resources to accomplish specific tasks. Emphasis will be placed on accomplishing assigned tasks by using advanced communication skills, interaction with the community and working with diverse groups. There will be a strong component of working within the FFA chapter.

Other Elective Courses

Leadership

Prerequisite: Required for elected ASB and class officers. All other students must apply.

This course will develop skills of leadership including communication, organization, planning, and goal setting. Students will explore leadership and leadership styles in order to identify their personal leadership style. By incorporating leadership skills, the student will improve the environment for the student body, staff and community relative to Rainier Jr/Sr High School.

Teacher/Office Assistant

Grade: 11, 12

Prerequisite: On track for graduation and teacher approval

The Teacher Assistant program is designed for the purpose of providing an experience for students who are genuinely interested in a career in education or aiding teacher/other staff members. Teacher Assistants will

be expected to run errands/messages when asked, operate copy machines, be punctual, alphabetize, have good language/writing skills and have no more than 5 absences per semester. An application must be signed by the teacher and turned in to the office for placement

Nutrition Services Assistant

Grade: 11, 12

Prerequisite: On track for graduation and teacher approval

The Nutrition Services Assistant program is designed for the purpose of providing an experience for students who are genuinely interested in a career in the culinary arts field or aiding staff members in the kitchen. Nutrition Services Assistants will be expected to pan up and prepare food, operate the dish machine, be punctual, clean, and miss no more than 5 absences per semester. An application must be signed by the Nutrition Services Director and turned in to the office for placement.

Youth Transition Program

Prerequisite: Student application submitted and Instructor Approval Required

The Youth Transition Program (YTP) provides job training and instruction to promote work readiness skills. Instruction in pre employment transition skills is provided to promote work readiness. The program enhances the skills taught in other Career Technical Education Courses. Small group and individualized career planning is offered in this course.

Work Experience

Grade: 11, 12

The School to Work Program is an opportunity for Junior or Senior students to earn high school credits while being employed at a job. A student may earn a 0.5 EL or VO credit for every 65 hours of documented work, up to two elective credits total. See school counselor for packet outlining additional requirements.

2022-2023 High School Course Offerings

#	Course Title	Grade	#	Course Title	Grade
English Language/Literature			World Language		
01001	9 Language Arts	9	06101	Spanish 1	9-12
010011	Honors 9 Lang. Arts (application)	9	06102	Spanish 2	10-12
01002	10 Language Arts	10			
01051	Honors 10 Language Arts	10	Fine/Performing Arts and Music		
01003	American Literature	11	05154	Studio Art	9-12
01054	Honors American Literature	11	051542	Advanced Studio Art	10-12
010040	12 Language Arts	12	05165	Design & Craft	9-12
010041	College Writing 121/122	12	11104	Yearbook	9-12
			05102	Band	9-12
Social Studies/History			05110	Choir	9-12
04052	World History	9	05108	Guitar 1/2	9-12
04101	US History	11			
04151	Government	12			
042541	Psychology (online elective)	11-12			
			Business and Computer Science		
Sciences			10004	Computer Applications	9-12
03001	Principles of Earth and Physical Sci.	9	10199	Advanced Computer Apps.	10-12
03051	Biology	10	121041	Accounting	10-12
03052	Advanced Life Science	11-12	22210	Consumer Finance and Econ.	12
18053	Horticulture	10-12			
03053	CP Anatomy & Physiology	11-12	Career/Technical Education		

03152	CP Physics	11-12	13207	Intro to Welding	10-12
			132072	Advanced Welding	11-12
Mathematics					
02052	Algebra 1	9-12	Agricultural Science and Technology		
02072	Geometry	9-12	18001	Intro to Agriculture	9-10
02054	Intermediate Algebra	11-12	18052	Horticulture	10-12
02056	Algebra 2	9-12	18201	Agricultural Business	11-12
02057	Math 111 (College Algebra)	11-12	18203	Agricultural Leadership	11-12
02103	Math 112 (College Trigonometry)	11-12			
02121	Differential/Integral Calculus	11-12	Other Electives		
			22101	Leadership (ASB and class officers)	9-12
Physical Education/Health			10995	Teacher Assistant (by application)	10-12
080511	Health 1	9-12	22051	Office Assistant (application)	10-12
080512	Health 2	10-12	22051NA	Nutrition Assistant (application)	10-12
080011	PE 100	9-12	22152	Youth Transition Program	9-12
080012	PE 200	10-12	22151	Work Experience (application)	11-12
08009	Strength Training	10-12			