

2024-2025

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 who earn the highest grade point average and rank number one in the class by the end of the seventh semester 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 who earn the second highest grade point average in the class by the end of the seventh 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.

Willamette Promise through WOU/OIT

RJSHS Course Title	WOU/OIT Course #	College Credit
Intermediate Algebra	Math 95	4 credits
College Algebra	Math 111 Z	4 credits
College Trigonometry	Math 112 Z	4 credits
Differential Calculus	Math 251	4 credits
Integral Calculus	Math 252	4 credits

Tillamook Bay Community College

RJSHS Course Title	TBCC Course #	College Credit
English Composition	Writing 121	4 credits
English Composition	Writing 122	4 credits

Rainier School District Regular Diploma Requirements

Category	Credits
Applied/Fine Arts, Career/Tech. Ed, and/or World Lang.	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
*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	<input type="checkbox"/> 3.5 cumulative GPA by end of 12 th grade Semester 1
At least 6 credits from this menu of college-prep courses	<input type="checkbox"/> CP Physics <input type="checkbox"/> CP Anatomy & Physiology <input type="checkbox"/> CP Chemistry <input type="checkbox"/> College Math (Math 111 Z or higher) <input type="checkbox"/> Honors 9 Language Arts <input type="checkbox"/> Honors 10 Language Arts <input type="checkbox"/> Honors American Literature <input type="checkbox"/> College Writing 121/122
World Language	<input type="checkbox"/> World Language (2 consecutive years of the same language)
Total Credits	<input type="checkbox"/> 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
*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 Description 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	Brief Description of Course
Advanced Welding	This <u>year long</u> 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 <u>metal-working</u> projects in accordance with class and industry standards.
Grade: 10, 11, 12	
Prerequisite: <i>Introduction to Welding</i>	
College Credit Option: 3-4 college credits: CCC & TBCC	

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, utilizing a variety of reading strategies, developing vocabulary through memorization and speaking, and oral presentation. Students will be assessed often on vocabulary and grammar application. 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. Honors students are required to complete assigned homework independently and on time outside of class.

10 Language Arts

Grade: 10

Prerequisite: 9 Language Arts

Students will communicate effectively through reading, writing, speaking, and listening as outlined 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.

Graduation Requirement

(or Honors 10 Language Arts)

Honors 10 Language Arts

Grade: 10

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

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.

Graduation Requirement

(or College English)

College Writing 121/122

Grade: 12

Prerequisite: 3.0+ GPA in previous English classes, passing score on placement test or 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.

Sciences (3 credits required for graduation)

Conceptual Chemistry (*½ credit/semester*)

The Conceptual Chemistry course is a practical, nonquantitative chemistry course designed for students who desire an understanding of chemical concepts and applications.

Conceptual Biology (*½ credit/semester*)

These courses provide students with a basic understanding of living things. Topics covered may include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.

Microbiology (*½ credit/semester*)

Prerequisite: None.

Microbiology courses provide students with a general understanding of microbes, prokaryotic and eukaryotic cells, and the three domain systems. Additional topics covered may include bacterial control, cell structure, fungi, protozoa, viruses and immunity, microbial genetics, and metabolism.

Botany (*½ credit/semester*)

Botany provides students with an understanding of plants, their life cycles, and evolutionary relationships. Classification focuses on native, wild plants.

Zoology (*½ credit/semester*)

Zoology provides students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. This course should also help students develop an awareness and understanding of biotic communities.

Geology (*½ credit/semester*)

Geology provides an in-depth study of the forces that formed and continue to affect the earth's surface, with an emphasis on Oregon geology. Earthquakes, volcanoes, and erosion are examples of topics.

Marine Science (*½ credit/semester*)

Marine Science focuses on the content, features, and possibilities of the earth's oceans. They explore marine organisms, conditions, and ecology and sometimes cover marine mining, farming, and exploration.

Plant Science (*1 credit/year*)

Grade: 10, 11, 12

Prerequisite: Intro to Agriculture

Plant Science provides knowledge about the propagation of plants for food and fiber. This class will cover topics such as soil science irrigation, pest and weed control, food and fiber processing and farm operations. Students will apply principles of classification, plant anatomy and plant physiology to plant production and management with a school based greenhouse experience learning project throughout the year.

Animal Science (1 credit/year)

Grade: 10, 11, 12

Prerequisite: Intro to Agriculture and Biology

This course is an in-depth look into the practices and principles of animal and veterinary science. Through hands-on labs and guided study, students will dive into a range of topics that includes exploration of careers, breeds, anatomy, digestion, diseases, biology, veterinary tools, parasitology, office management, animal control, and basic clinical exam techniques for large and small animals. This course is designed to approach veterinary science from a broad perspective as a means to assist students in applying animal science principles to their interest in animal management and care. This class will build a foundation for those high school students interested in the area of animal and veterinary science.

Natural Resources and Ecology (1 credit/year)

Grade: 11, 12

Prerequisite: Intro to Agriculture

Natural Resources Management courses combine the fields of ecology and conservation with planning for the efficient use and preservation of land, water, wildlife, and forests. Within the general area of natural resources management, these courses usually cover specific topics and uses, such as hunting or fishing preserves, safe usage initiatives, forest production and management, wildlife preservation, and commercial use of natural resources.

CP Anatomy & Physiology – College Prep (1 credit/year)

Grade: 11, 12

Prerequisite: B or better in PEPS and Biology (or 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) (1 credit/year)

Grade: 11, 12

Prerequisite: A or B in PEPS and Biology (or 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 (3 credits required for graduation)

Algebra 1

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.

Geometry

Prerequisite: Algebra 1 or equivalent

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.

Financial Algebra

Prerequisite: Algebra 1 & Geometry

Financial Algebra (Business Mathematics with Algebra) courses teach and have students apply algebra concepts to a variety of business and financial situations. Applications usually include income, insurance, credit, banking, taxation, stocks and bonds, and finance.

Algebra 2 (Math 95: students may earn college credits)

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.

Math 111 Z (College Algebra: 4 college credits)

Prerequisite: Satisfactory completion (B or better) in Algebra 2. Students are only eligible to earn college credit if they meet the college entrance requirements.

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 Z (*College Trigonometry: 4 college credits*)

Prerequisite: Satisfactory completion (B or better) in Algebra 2. Students must meet college entrance requirements for college credit to be earned.

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.

Math 251 (*Differential Calculus: 1 high school credit credit and 4 college credits*)

Grade: 11, 12

Prerequisite: Satisfactory completion (B or better) in Math 111Z or instructor approval. (May be taken concurrently with Math 112

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.

Math 252 (*Integral Calculus: 4 college credits*)

Grade: 11, 12

Prerequisite: Satisfactory completion (B or better) in Differential Calculus or instructor approval

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.

Social Science and History

World History

Graduation Requirement

Grade: 9

This is a required course for freshmen. The units include: An introduction to world geography, cultures, religions, ancient civilizations, Middle Ages, Renaissance, Exploration, Enlightenment, Scientific Revolution, Industrial Revolution, Modernism, Nationalism, Imperialism, Militarism, immigration, 20th century political revolutions, and the World Wars. 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 we live as well as their place in it. Students will present information to the class and are expected to contribute positively and constructively 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.

Physical Education/Health

Health 1 and Health 2

Our health courses are 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.

Graduation Requirement

Advanced PE

This course will feature advanced fundamentals, techniques, and strategies on various team sports and fitness related activities. This course is designed for students who are competitive and enjoy physical activity.

Lifetime Fitness

In this course, you will explore fundamental fitness concepts and cultivate a desire for lifelong physical activity in a non-competitive setting. This course prioritizes the development of fundamental movement skills, healthy lifestyle choices, and personal fitness goals. May include yoga, light cardio training, circuit training, strength training, and self-created exercise routines.

Strength Training

Grade: 10, 11, 12

Prerequisite: B or better in a previous PE or Fitness class 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. 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.

A workbook fee is required for this course.

Fine Arts/Applied Arts

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 techniques. 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. 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, or 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.

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.

Digital Audio Production

Grade: 10, 11, 12

This course is designed as an introduction to computer based recording, editing, mixing, and production of sound. Students will gain experience using a digital audio workstation (DAW), audio interface (AD/DA converter), and mixer for digital and live music production. Students will develop knowledge of the historical scientific/technological developments and aesthetics of sound, the science of analog sound and how it is digitally produced and presented in multimedia formats. Basic concepts include signal chain, analog versus digital signal, acoustics, wavelength, amplitude, frequency, time period, velocity, etc. As a music course, the goal is to explore and produce relevant and appealing audio works using digital software and hardware equipment. Project-based assignments include hands-on experience with audio equipment, creating music, videos, websites and other media, and may include research, essays, presentations, attending live performance events, etc. (Note: Because this is an elective class and utilizes sensitive and expensive computer software and hardware equipment provided by the teacher, a very high degree of behavior and maturity is expected. If a student fails to abide by expectations, they will be dropped from the class).

Graphic design

Grade: 10, 11, 12

Graphic Design courses emphasize design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identity symbols. Graphic Design courses may investigate the computer's influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles.

Photography

Photography courses provide students with an understanding of photographic media, techniques, and processes. These courses focus on development of photographic compositions through manipulation of the fundamental processes of artistic expression. Students may learn to make meaningful visual statements with an emphasis on personal creative expression to communicate ideas, feelings, or values. Photography courses may also include the history of photography, historic movements, image manipulation, critical analysis, and some creative special effects. Students engage in critiques of their photographic images, the works of other students, and those by professional photographers for the purpose of reflecting on and refining work.

Native Voices

Prerequisite: Interview with Instructor

Native Voices is a course that will examine the history, music, art, and culture of Native Peoples in America. This class will incorporate art, dance, and music of many different Tribal Nations and a deep historical look at how Native History has shaped today's Native policies. This is a course designed to be taken year-long.

Music

Beginning Band

This class will introduce beginning music reading and beginning level instrument playing. This class will focus on learning music reading, note naming, rhythm reading, and beginning instrument technique. Band members are required to wear special attire at concerts and encouraged to perform with advanced band at pep performances. Attendance at class performances is mandatory. This class is designed to be taken as a year-long class.

Intermediate Band

Prerequisite: Beginning Band or instructor approval

This class will build on skills learned in beginning band and continue to refine those skills including, but not limited to: tone quality, rhythm reading, note reading, and ensemble technique. Band members are required to wear special attire at concerts and encouraged to perform with advanced band at pep performances. Attendance at all class performances is mandatory. This class is designed to be taken as a year-long class.

Concert Band (Advanced)

Prerequisite: Instructor approval

This class will build off the skills learned in intermediate band and continue to refine them in an ensemble setting. Band members are required to wear special attire at concerts. This class has multiple required off-campus performances, as well as multiple required after-school performances. Attendance at all class performances is mandatory. This course may be repeated for credit. This class is designed to be taken as a year-long class.

Percussion Techniques

Prerequisite: Intermediate Band or Instructor approval

This class will focus on building intermediate and advanced percussion techniques including but not limited to: rudiments, mallet technique, ensemble technique, and rhythmic emphasis. Members of this class are required to perform with other music classes at concerts and other various performances. Members are required to wear special attire for concerts and other performances. This class is limited to percussionists only and may be repeated for credit.

Beginning Choir

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. Members are required to wear special attire for concerts and other performances. Attendance at all performances is mandatory. This class is designed to be a year-long class.

Advanced Choir

Prerequisite: Beginning Choir or Instructor approval

This class will focus on developing skills introduced in beginning choir. Students will continue to refine music reading, pitch matching, sound production, and ensemble singing. Students will learn techniques for performing in various musical styles and various musical settings. This class will perform at concerts and other events throughout the year. Attendance at all performances is mandatory. This course may be repeated for credit. This class is designed to be taken as a year-long class.

Business Education and Computer Science

Computer Applications

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.

Marketing

Grades: 10, 11, 12

Prerequisite: Computer Applications

Students will understand principles and concepts of marketing, promotional strategies for marketing products, the selling process in sales environments and image, service and customer relations. They will demonstrate competency describing the relationship between profit and customer service, developing and presenting a promotional plan, applying marketing knowledge to a variety of business situations in order to solve problems creatively and by identifying customer buying behaviors. Students will complete an entrepreneurship unit where they develop a business plan, website, and drawing of their business location.

Consumer Finance and Economics

Grade: 12

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.

Graduation Requirement

Introductory Business

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.

Robotics (*½ credit/semester*)

Robotics courses help students develop and expand their skills and knowledge of robotics and related scientific and engineering topics. Course topics may include principles of mechanics, electronics, hydraulics, pneumatics, programmable logic controllers. This course may emphasize the use of engineering principles to design and build robots, construct and connect sensors, and program robots in the programming language.

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), wire feed welding (FCAW), tungsten inert gas welding (TIG), and oxy-acetylene (OA) 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.

Woodworking

Grade: 10, 11, 12

Prerequisite: Introduction to Agriculture

Students will become familiar with all tools in the woodshop by practicing safe and correct use of the machines. The machines will be practiced in progress of completion of projects. Shop safety is a main focus of this class, as it is continually practiced daily. Students will learn how to use measurement tools with accurate readings. Additionally, students will be exposed to a bill of materials for their projects being made and also to blueprint readings of projects. As the year progresses, the students will create their own project by creating step by step instructions, a list of materials and a sketch of the finished project.

Advanced Woodworking

Grade: 10, 11, 12

Prerequisite: Woodworking

Advanced Woodworking courses introduce students to the various kinds of woods used in industry and offer experience in using selected woodworking tools. Students design and construct projects and practice preparing bills of materials. Correct and safe use of tools and equipment is emphasized. Students will be making projects to be displayed to the school and community which will have a focus on precision to procedures while making a show-worthy project.

Agricultural Science and Technology

Intro to Agriculture *(1 credit/year)*

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.

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

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

Natural Resources and Ecology *(See description in Science section of this guide)*

Agricultural Business

Grade: 11, 12

Prerequisite: Introduction to Agriculture

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 and instructor approval

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

Math Lab *(does NOT count towards math credit)*

The Math Lab course reinforces general mathematics skills; extend these skills to include some pre-algebra and algebra topics; and use these skills in a variety of practical, consumer, business, and occupational applications. Course topics typically include rational numbers, measurement, basic statistics, ratio and proportion, basic geometry, formulas, and simple equations.

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.

Athletic Leadership

Prerequisite: Teacher approval

Athletic Leadership is a dynamic course designed for students who wish to develop and enhance their leadership skills within the context of athletics. This course offers a unique blend of practical leadership techniques, team-building strategies, and personal development exercises tailored to young athletes and students interested in sports leadership roles, such as team captains, sports club officers, or peer mentors. Through engaging lectures, interactive activities, group discussions, and direct involvement in school athletic events, students will learn the fundamentals of effective leadership, communication, ethical decision-making, and how to positively influence their teams and peers both on and off the field. This course is suited for students who are involved in sports, interested in taking on leadership roles within athletic contexts, or looking to enhance their leadership skills for personal development. It is ideal for student-athletes, team captains, students interested in sports management, or those looking to positively impact their school's athletic culture.

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 teachers/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

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.

2024-2025 High School Course Offerings

#	Course Title	Grade	#	Course Title	Grade
English Language/Literature			Fine Arts/Applied Arts		
01001	9 Language Arts	9	05154	Studio Art	9-12
010011	Honors 9 Lang. Arts (application)	9	051542	Advanced Studio Art	10-12
01002	10 Language Arts	10	11104	Yearbook	9-12
01051	Honors 10 Language Arts	10	11051	Digital Audio Production	10-12
01003	American Literature	11	05162	Graphic Design	10-12
01054	Honors American Literature	11	05167	Photography	9-12
010040	12 Language Arts	12	22106NV	Native Voices	9-12
010041	College Writing 121/122	12	Music		
Sciences			05109	Beginning Band	9-12
03105	Conceptual Chemistry (1 sem.)	9-12	05101	Intermediate Band	9-12
03062	Conceptual Biology (1 sem.)	9-12	05102	Concert Band (Advanced)	9-12
03060	Microbiology (1 sem.)	9-12	05111	Beginning Choir	9-12
03058	Botany (1 sem.)	9-12	05112	Advanced Choir	9-12
03061	Zoology (1 sem.)	9-12	05106	Percussion Techniques	9-12
03002	Geology (1 sem.)	9-12	Business and Computer Science		
03005	Marine Science (1 sem.)	9-12	10004	Computer Applications	9-12
03053	CP Anatomy & Physiology	11-12	12152	Marketing	10-12
03152	CP Physics	11-12	22210	Consumer Finance and Econ.	12
			12051	Introductory Business	9-12
Mathematics			21009	Robotics (1 sem.)	9-12
02052	Algebra 1	9-12	Career/Technical Education		
02072	Geometry	9-12	13207	Intro to Welding	10-12
02157	Financial Algebra	11-12	132072	Advanced Welding	11-12
02056	Algebra 2	9-12	1700611	Woodworking	10-12
02057	Math 111 (College Algebra)	11-12	1700612	Advanced Woodworking	10-12
02103	Math 112 (College Trigonometry)	11-12	Agricultural Science and Technology		
02123	Math 251 (Differential Calculus)	11-12	18001	Intro to Agriculture	9-12
02121C	Math 252 (Integral Calculus)	11-12	18051	Plant Science	10-12
Social Studies/History			18101	Animal Science	10-12
04052	World History	9	18549	Natural Resources & Ecology	11-12
04101	US History	11	18201	Agricultural Business	11-12
04151	Government	12	18203	Agricultural Leadership	11-12
Physical Education/Health					
080511	Health 1	10-12	Other Electives		
080512	Health 2	10-12	02993	Math Lab	9-12
08002	Advanced PE	9-12	22101	Leadership (ASB and class officers)	9-12
08005	Lifetime Fitness	9-12	22101AL	Athletic Leadership	9-12
08009	Strength Training	10-12	10995	Teacher Assistant (by application)	10-12
World Language			22051NA	Nutrition Assistant (application)	10-12
06101	Spanish 1	9-12	22152	Youth Transition Program	9-12
06102	Spanish 2	10-12	22151WE	Work Experience (application)	11-12