Royall High School

Course Handbook

2026-2027

Odd Year

Legal Notice

Pursuant to s. 118.13 State Statute and PL, 9 the right of a student to be admitted to school and to participate fully in curricular, extracurricular, student services, recreational or other programs or activities shall not be abridged or impaired because of a student's sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional or learning disability. All school programs and courses adhere to this practice as required by law.

Last updated 01.10.26

Introduction

This course book is designed to provide students and parents with an overview of the courses offered at Royall High School. This course book will provide information in relation to graduation requirements, post-secondary school requirements and preparation, programming policies and practices, program changes, and rank in class determination. The primary purpose is to allow parents and students to learn about each individual course and the requirements to be met which are necessary for enrollment in those courses.

Schedule Change Policy

Once the schedule is set and the staff hired, it becomes extremely difficult to honor course change requests and still maintain the integrity of the master schedule. Students will receive a copy of their course list in the Spring and will have the opportunity to make corrections by May. Second semester changes need to be submitted 5 school days before the end of the semester.

ALL schedule change requests must be made by the counseling office. Parent, teacher, and/or administrative approval for the change may be required. Up until May, students can submit any course change requests for consideration. Any schedule changes submitted after May will only be accepted for the following reasons:

1. **Course Upgrade**
   A schedule change request form, applying for a class upgrade, must be submitted by DAY 5 of the semester the course is offered in. Teacher approval must be obtained for the addition of an upgraded class. Upgraded class examples include dropping an elective for an academic course, changing from regular level to advanced level courses, and adding courses, work experience or a youth apprenticeship which align with an identified career pathway. All other course changes needed to be submitted by the end of the previous school year and will not be accepted.
2. **Complete Graduation Requirements**
3. **Incorrect Course Placement**
   The student is placed incorrectly in a class or lacks prerequisites or teacher recommendation
4. **Course Load Reduction**
   A student who has an overload schedule (8 classes and no study hall) may drop a class for a study hall within the first 10 days of the semester with no penalty (i.e. the dropped class will not result in a Withdrawal/Fail (W/F) grade).
   - After the 10th day of the semester, all dropped courses will receive a grade of W/F for the semester.
   - A student who is already enrolled in a study hall and drops a course will receive a grade of W/F for the dropped course.

Not all requested changes will be granted. Changes are not official until processed through the counseling office. The student is required to attend the originally-scheduled class and is responsible for the work until they receive a new schedule from the counseling office.

Explanation of Course Codes

When the master schedule is built, the number of students requesting particular courses determines the number of class sections. When a considerable number of students request a change of course later the balance of sections is upset. To avoid changes later, before turning in course selection sheets, students are asked to study the course descriptions and prerequisites carefully, to meet with their parents for approval and to make sound decisions based upon career interests, talents, graduation requirements and college admission requirements.

It is imperative that you review your graduation requirements. During the scheduling process each student will meet with the school counselor and discuss courses needed and credits earned. You should choose courses that are best suited to your interests, future plans, and capabilities.

Length of Course

1.0 Credit: Year Long
0.75 Credit: Semester Long
0.5 Credit: Semester Long
0.25 Credit: Quarter Long

Prerequisites

Some courses have requirements that must be met in order for a student to enroll. These will be listed directly below the course name.

Fees

Some courses require students to pay a fee or have specific materials/equipment which require a corresponding cost. These will be underlined in the course description.

Class Rank

The procedure for determining a student's rank in his/her class is as follows:

- All semester grades in subjects beginning with the first semester in grade 9 and ending with the second semester in grade 12 for which credit toward graduation is given are used.
- The cumulative grade point average determines the rank in class.
- Each letter grade is given the following numerical equivalent:

Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
Weighted GPA	4.33	4.00	3.66	3.33	3.0	2.66	2.33	2.00	1.66	1.33	1.00	0.00
Non- Weighted GPA	4.00	3.66	3.33	3.0	2.66	2.33	2.00	1.66	1.33	1.00	0.66	0.00

High School students will receive weighted grades for Advanced Placement courses as outlined above. This became effective with the graduating class of 2025.

Minimum Graduation Requirements for Royall High School

We strongly suggest that students use this information to consult with their school counselor and instructors in making course selections for the school year. Under extenuating circumstances substitutions may be made at the discretion of the school district.

4.0	English
3.0	Math
3.0	Natural Science
3.5	Social Studies
2.0	Physical Education
0.5	Health
0.5	Personal Finance
0.25	College/Career Readiness
0.25	Computer Application
9.5	Additional Credits
26.5	**Total Credits**

Additional Registration Requirements

- It is strongly recommended to take a minimum of 7.0 credits per year (3.5 per semester).
- The school counselor will assign students courses based on their career interests if the student fails to register for their own courses.

UW System College Preparatory Course Requirements

The minimum credits necessary to graduate from Royall High School may not meet minimum requirements for admission to universities or technical colleges. Often a student needs to take additional appropriate coursework to be qualified for the next educational level. Students should check periodically with school counselors or at www.uwhelp.wisconsin.edu regarding specific school admissions requirements.

College Bound Students:

All 4 year Wisconsin Public Universities (UW System Schools) require a *minimum* of 13 core college-prep credits plus 4 "elective" credits (as listed):

4 credits of English
3 credits of Social Studies
3 credits of Math - Algebra 1, Geometry, Algebra 2 (minimum)
3 credits of Natural Science
4 credits of electives: from the core college preparatory areas above, foreign language, fine arts, computer science and other academic areas. A minimum of two credits of a single foreign language is required for admission to UW Madison and may help to meet graduation requirements at other UW System campuses.

College Bound Juniors – All Juniors will take the ACT in the spring of your junior year. Campus visits should be made during the junior year and the summer following.
College Bound Seniors – UW schools recommend you submit your application for admission beginning August 1 of your senior year. Some private schools and technical schools recommend submitting your admissions application once you complete your junior year. We strongly recommend early application.

Four Year Plan

Required courses are shown in the plan for the Class of 2026 and after.

Subject	Grade 9	cr.	Grade 10	cr.	Grade 11	cr.	Grade 12	cr.
English 4.0 credits	English 9	1.0	English 10 OR AP Language	1.0	English 11 OR AP Literature	1.0	English 12 or College Prep	1.0
Math 3.0 credits	1)Algebra A 2) **Algebra I** 3)Geometry/G by Design (GBD)	1.0	1)Algebra B 2) **Geometry**/GBD 3) Advanced Algebra	1.0	1) Geometry /GBD 2) **Advanced Algebra** 3) Pre-Calc	1.0		
Natural Science 3.0 credits	Biology	1.0	Applied Science or Chemistry or Physics	1.0	Any Science (Environmental Science OR AP Environmental Science recommended)			1.0
Social Studies 3.5 credits	Social Studies OR AP Human Geography	1.0	United States History OR AP US History	1.0	World History or AP World History: Modern	1.0	Psychology or Sociology (can sub college level course)	0.5
Physical Education 2.0 credits	Any PE	0.5	Any PE	0.5	Any PE	0.5	Any PE	0.5
Health 0.5 credits	Health	0.5						
Personal Finance 0.5 credits							Personal Finance	0.5
College/ Career Readiness 0.25 credits			College/Career Readiness	0.25				
Computer Apps 0.25 credits			Computer Applications	0.25				
Elective		2.0-3.0		2.0-3.0		2.5-3.5		4.5-5.5
Total Credit		7-8		7-8		7-8		7-8

Freshman Course Offerings

Class of 2030

Odd Year

REQUIRED COURSES

English Courses	Credits
English 9	1.0

Health Courses	Credits
Health	0.5

Math Courses	Credits
Algebra A	1.0
Algebra I	1.0
Geometry	1.0
	1.0

Natural Science Courses	Credits
Biology	1.0

Physical Education Courses	Credits
Adventure PE	0.5
Team & Individual Sports	0.5
Fitness Training	0.5

Social Studies	Credits
Social Studies	1.0
AP Human Geography	1.0

ELECTIVE COURSES

Agriculture Courses	Credit
Greenhouse Management	0.5
Plant & Soil Science	0.5
Small Animal Care**	0.5
Large Animal Science**	1.0
Environmental Earth Science**	1.0

Art Courses	Credit
Drawing & Painting I	0.5
Drawing & Painting II (P)	0.5
Ceramics I	0.5
Ceramics I (P)	0.5

Business Education Courses	Credit
Business Law	0.5
Yearbook	1.0

Driver Education Courses	Credit
Driver Education (P)	0.25

Foreign Language Courses	Credit
Spanish I	1.0

Performing Arts Courses	Credit
Band	1.0
Concert Choir	1.0
Beginning Piano	0.5

Physical Education Courses	Credit
Team & Individual Sports	0.5
Adventure PE	0.5
Fitness Training	0.5

Study Hall Courses	Credit
Study Hall Semester 1	0.0
Study Hall Semester 2	0.0

Technical Education Courses	Credit
Wood Fundamentals	0.5
Metal Fabrication	0.5
Small Gas Engines	0.5
Car Care	0.5

***also a science course*

(P) Prerequisite required

Sophomore Course Offerings

Class of 2029

Odd Year

REQUIRED COURSES

English Courses	Credits
English 10	1.0
AP Language & Composition	1.0

Math Courses	Credits
Algebra B	1.0
Geometry	1.0
Geometry by Design	1.0

Social Studies	Credits
United States History	1.0
AP United States History	1.0

Natural Science Courses	Credits
Applied Science	1.0
Chemistry (P)	1.0
Physics (P)	1.0

Physical Education Courses	Credits
Adventure PE	0.5
Team & Individual Sports	0.5
Fitness Training	0.5

Other Requirements	Credits
College and Career Readiness & Computer Technology Update	0.5

ELECTIVE COURSES

Agriculture Courses	Credit
Greenhouse Management	0.5
Adv Greenhouse Management (P)	0.5
Outdoor Skills- Fall	0.5
Plant & Soil Science	0.5
Small Animal Care**	0.5
Large Animal Science**	1.0
Environmental Earth Science**	1.0

Art Courses	Credit
Drawing & Painting I	0.5
Drawing & Painting II (P)	0.5
Ceramics I	0.5
Ceramics II (P)	0.5

Business Education Courses	Credit
Business Law	0.5
Intro to Marketing	0.5
Accounting	1.0
Yearbook	1.0

Natural Science Courses	Credit
Chemistry	1.0
Forensic Science	1.0
Physics	1.0

Performing Arts Courses	Credit
Band	1.0
Concert Choir	1.0
Beginning Piano	0.5

Physical Education Courses	Credit
Team & Individual Sports	0.5
Adventure PE	0.5
Fitness Training	0.5

Social Studies Courses	Credit
AP Human Geography	1.0

Driver Education Courses	Credit
Driver Education (P)	0.25

Foreign Language Courses	Credit
Spanish I	1.0
Spanish II (P)	1.0

Mathematics Courses	Credit
AP Statistics	1.0

Technical Education Courses	Credit
Wood Fundamentals	0.5
Metal Fabrication	0.5
Small Gas Engines	0.5
Car Care	0.5
Carpentry & Construction (P)	1.0
Advanced Welding & Fabrication (P)	1.0
Geometry by Design Lab*	1.0

(must take with Geometry by Design)

Study Hall Courses	Credit
Study Hall Semester 1	0.0
Study Hall Semester 2	0.0

***also a science course*

(P) Prerequisite required

Junior Course Offerings

Class of 2028

Odd Year

REQUIRED COURSES

English Courses	Credits
English 11	1.0
AP Literature & Composition	1.0

Math Courses	Credits
Geometry	1.0
Geometry by Design	1.0
Advanced Algebra	1.0

Social Studies	Credits
World History	1.0
AP World History Modern	1.0

Natural Science Courses	Credits
Chemistry	1.0
Physics	1.0
Forensic Science	1.0
Anatomy & Physiology	1.0
Environmental Science	1.0
Large Animal Science	1.0
AP Chemistry (P)	1.0
AP Environmental Science (P)	1.0

Physical Education Courses	Credits
Adventure PE	0.5
Team & Individual Sports	0.5
Fitness Training	0.5

ELECTIVE COURSES

Agriculture Courses	Credit
Greenhouse Management	0.5
Adv Greenhouse Management (P)	0.5
Outdoor Skills- Fall	0.5
Plant & Soil Science	0.5
Small Animal Care**	0.5
Large Animal Science**	1.0
Environmental Earth Science**	1.0

Art Courses	Credit
Drawing & Painting I	0.5
Drawing & Painting II (P)	0.5
Ceramics I	0.5
Ceramics II	0.5
Advanced Studio Arts	0.5

Performing Arts Courses	Credit
Band	1.0
Concert Choir	1.0
Beginning Piano	0.5
Music Theory I	0.5
Music Theory II	0.5

Physical Education Courses	Credit
Team & Individual Sports	0.5
Adventure PE	0.5
Fitness Training	0.5

Social Studies Courses	Credit
Ethnic Studies	0.5
Government	0.5
Psychology	0.5
Sociology	0.5
AP United States History	1.0

Business Education Courses	Credit
Business Law	0.5
Intro to Marketing	0.5
Accounting	1.0
Yearbook	1.0

Driver Education Courses	Credit
Driver Education (P)	0.25

English Courses	Credit
AP Language & Composition	1.0

Foreign Language Courses	Credit
Spanish I	1.0
Spanish II	1.0
Spanish III	1.0

Mathematics Courses	Credit
AP Statistics	1.0

Natural Science Courses	Credit

can select more than one science course in REQUIRED COURSES

Study Hall Courses	Credit
Study Hall Semester 1	0.0
Study Hall Semester 2	0.0

Technical Education Courses	Credit
Wood Fundamentals	0.5
Metal Fabrication	0.5
Small Gas Engines	0.5
Car Care	0.5
Carpentry & Construction	1.0
Advanced Welding & Fabrication	1.0
Geometry by Design Lab*	1.0

(must take with Geometry by Design)

Work Based Learning Courses	Credit
Teacher Aid	0.5

Juniors and Seniors have the option to take dual credit courses. See "Additional Learning Opportunities" for the full catalog of options.

***also a science course*

(P) Prerequisite required

Senior Course Offerings

Class of 2027

Odd Year

REQUIRED COURSES

English Courses	Credits
English 12	1.0
College Prep English	1.0

Business Education Courses	Credits
Personal Finance	0.5

Physical Education Courses	Credits
Adventure PE	0.5
Team & Individual Sports	0.5
Fitness Training	0.5

Social Studies	Credits
Psychology	0.5
Sociology	0.5

ELECTIVE COURSES

Agriculture Courses	Credit
Greenhouse Management	0.5
Adv Greenhouse Management (P)	0.5
Outdoor Skills- Fall	0.5
Plant & Soil Science	0.5
Small Animal Care**	0.5
Large Animal Science**	1.0
Environmental Earth Science**	1.0

Art Courses	Credit
Drawing & Painting I	0.5
Drawing & Painting II (P)	0.5
Ceramics I	0.5
Ceramics II (P)	0.5
Advanced Studio Arts	0.5

Business Education Courses	Credit
Business Law	0.5
Intro to Marketing	0.5
Accounting	1.0
Yearbook	1

Natural Science Courses	Credit
Chemistry (P)	1.0
Physics (P)	1.0
Anatomy & Physiology	1.0
Forensic Science	1.0
AP Chemistry (P)	1.0
AP Environmental Science (P)	1.0

Performing Arts Courses	Credit
Band	1.0
Concert Choir	1.0
Beginning Piano	0.5
Music Theory I	0.5
Music Theory II	0.5

Social Studies Courses	Credit
Psychology	0.5
Sociology	0.5
AP Human Geography	1.0
AP United States History	1.0
AP World History Modern	1.0

Driver Education Courses	Credit
Driver Education (P)	0.25
English Courses	**Credit**
AP Language & Composition	1.0
AP Literature & Composition	1.0
Foreign Language Courses	**Credit**
Spanish I	1.0
Spanish II (P)	1.0
Spanish III (P)	1.0
Spanish IV (P)	1.0
Mathematics Courses	**Credit**
Advanced Algebra	1.0
Pre-Calculus	1.0
AP Statistics	1.0
Physical Education Courses	**Credit**
Team & Individual Sports	0.5
Adventure PE	0.5
Fitness Training	0.5

Study Hall Courses	Credit
Study Hall Semester 1	0.0
Study Hall Semester 2	0.0
Technical Education Courses	**Credit**
Wood Fundamentals	0.5
Metal Fabrication	0.5
Small Gas Engines	0.5
Car Care	0.5
Carpentry & Construction	1.0
Advanced Welding & Fabrication	1.0
Geometry by Design Lab*	1.0
(must take with Geometry by Design)	
Work Based Learning Courses	**Credit**
Teacher Aid	0.5
Work Release (P)	0.5

Juniors and Seniors have the option to take dual credit courses. See "Additional Learning Opportunities" for the full catalog of options.

***also a science course*

(P) Prerequisite required

Other Course Offerings

Students are able to take courses that Royall High School does not offer in the building through other campuses in a variety of formats.

- **In Person**: The traditional format where students attend classes in a physical classroom. (Transportation for these must be provided by the student)
- **Virtual**: Courses can be asynchronous, synchronous, live streamed or self paced. All virtual courses have specific start and end dates, just like an in-person course.
    - **Asynchronous**- the instructor and the students in the course all engage with the course content at different times (and from different locations). Typically this looks like instructors posting lectures and class material on a virtual platform that students can access at any time.
    - **Synchronous**- instructors and students gather at the same time and (virtual or physical) place and interact in “real-time”.
- **Hybrid**: A combination of in-person and virtual classes, where students learn through a mix of synchronous and asynchronous content.

See the *Distance Learning* section at the end of this document for information regarding In-Person, Virtual, or Hybrid opportunities.

Course Descriptions

When registering for courses, check out the Career Pathways guide to help determine how to get the most out of your high school experience.

Agriculture

Outdoor Skills: Fall (H8X18)

0.5 Credit (Fall Semester); Grades 10-12; Odd Years

Do you enjoy being outside? Then this is a class you must take! This class will give you an insight to several job opportunities available for the outdoor enthusiast and you will have the opportunity to earn your ATV and Snowmobile Safety Certification**.** During this class, we will spend several class periods at Thompson Park focusing on basic outdoor skills, which will help you have a better understanding of the environment and its natural resources. We will investigate, record and compare interrelationships among all natural resources. Field trips to other outdoor natural areas will also be part of the course. Students will also be involved in environmental service-learning activities. Be prepared to be in the Great Outdoors!

Outdoor Skills: Spring (H8X19)

0.5 Credit (Spring Semester); Grades 10-12; Even Years

Do you like working in the outdoors and are thinking of pursuing an outdoor-related career? Then this class is for you! This class will give you an insight into many career opportunities available for the outdoor enthusiast and you will even have the opportunity to get your Boating Safety Certification. Be prepared to have your environmental knowledge and awareness tested and be ready to tackle environmental issues through learning by doing environmental service learning activities and scientific investigations. Be prepared to step out of your box and into the outdoors!

Greenhouse Management (H8GRN)

0.5 Credit; Grades 9-12

Growing and caring for plants in the Royall greenhouse is the major focus for this class. In this course, we will be discovering plant growth and identification, plant propagation, pest problems, commercial greenhouse industries, marketing and “green” careers. Almost 90% of the class is spent working in the greenhouse with the plants we will be selling in the spring. Along with the greenhouse activity, we will be doing landscaping projects.

Advanced Greenhouse Management (H8X42)

0.5 Credit; Grades 10-12

Prerequisite: Greenhouse Management

In this advanced class horticultural skills such as plant care, plant production and propagation will be expanded upon through growing plants in soil as well as hydroponically. We will expand into other areas of horticulture including floral design, landscape management, and orchard production.

Transcripted Course: 3.0 credits for Introduction to Horticulture (10001111.08) at Western Technical College (only earned if both Greenhouse Management & Advanced Greenhouse Management are completed)

Wildlife Management (H8WLD)

0.5 Credit; Grades 9-12; Even Years

In this course, we will be studying the diversity of Wisconsin's wildlife and fish. Students will explore the habitat and lifestyles of Wisconsin's waterfowl, songbirds, small mammals, inland lake fish and deer herd. Special attention will be to investigate DNR management practices, hunting/fishing regulations and consequences of human interaction with wildlife habitats.

Forestry (H8FOR)

0.5 Credit; Grades 9-12; Even Years

46% of Wisconsin's land is covered by forests. Forests are much more than trees and forest products—they are homes for wildlife, land for recreation and hunting, and an integral part of the ecosystem. Being a Wisconsinite you may eventually own some forested land so this class will introduce you to forestry-related topics you may one day use to manage your forest including career opportunities, tree identification, measurement of land and forest products, land description, nursery management, propagation, site selection, harvesting procedures, equipment and safety practices, marketing, multiple use concept, forest laws and policies, and the FFA Forestry Contest.

Plant & Soil Science (H8X14)

0.5 Credit; Grades 9-12; Odd Years

Plant Science will cover the plant side of agriculture focusing mostly on crop production. Crops such as corn, soybeans, small grains, alfalfa, and specialty crops will be all explored in depth. Students will learn about how plants grow, what plants need to grow, and how people alter normal plant growth. This class will be fun and students will enjoy making connection between the seed, field, and food.

Large Animal Science (H8LGAa; H8LGAb)

1.0 Credit; Grades 9-12

In this class you will learn management practices involved with producing livestock such as dairy cattle, beef cattle, swine and sheep. Units of study include nutrition, genetics, reproduction, breed identification, disease prevention, parasitology, facility maintenance, health care and quality product and production. Students enrolled in this class will have a better understanding of the meat and milk industry and management practices utilized in the livestock industry.

1.0 science credit may be obtained by taking this course.

Transcripted Course: 3.0 Credits for Animal Science (10006113.20) at Western Technical College

Small Animal Care and Management (H8X13)

0.5 Credit; Grades 9-12; Odd Years

This course is for students who enjoy small animals and want to learn more about the small animal industry and related careers. Animals discussed include poultry, rabbits, cats, small rodents, and other "pocket pets." Topics discussed include safety, feeding, training, animal rights and welfare, anatomy, reproduction, health, behavior, housing, and equipment needed for care. Students will be working with animals in the classroom, which will enhance the course materials. Students have the opportunity to take part in FFA activities.

0.5 science credit may be obtained by taking this course

Equines and Canine Care (H8EQU)

0.5 Credit; Grades 9-12; Even Years

Equine & Canine Care focuses on two of the most common companion animals in today's society. In the equine portion of the class we will examine the history and future of the horse. Students will look in-depth at breeds, uses, anatomy, physiology, recreation, care, diseases, management, and current issues that horses face today. Horses may be used for actual labs to demonstrate digestion, tacking, anatomy, health care, and riding. Instruction in the dog unit will include units on breeds, uses, feeding, disease control and other management topics.

Introduction to Veterinary Studies (H8X15)

Prerequisites: Small Animal Care and Management or Large Animal Science

0.5 Credit; Grades 10-12; Even Years

This course is designed for students who have a sincere interest in a career related to animals. If you plan to become a veterinarian, small animal technician, animal scientist, or animal researcher, then this course is highly recommended. Topics to be discussed include medical terminology, anatomy, careers, safety, health, reproduction, scientific research and animal welfare. Each student will complete hands-on veterinary skills including weighing an animal, diagnosis and administering a treatment, cleaning, clipping, grooming, and practicing mock surgery procedures.

0.5 science credit may be obtained by taking this course

Environmental Earth Science (H4X02a; H4X02b)

1.0 Credits; Grades 10-12; Odd Years

This course studies the structure and systems of the Earth and other bodies in the universe. First semester centers around the earth and its composition as well as the changes that have and are still taking place that are reshaping the earth's crust including earthquakes, volcanic activity, plate tectonics, the rock cycle, and weathering and erosion. Map reading and hands-on lab activities are also part of the first semester. Second semester focuses on the earth's soil and water issues which include the water cycle, erosion, and glaciers. Lab activities and field trips are incorporated into these units. Oceans, weather and space units will be covered towards the end of the semester.

1.0 science credit may be obtained by taking this course.

Work Release- Natural Resources (H8WR1a; H8WR1b)

Co-Requisite: Must take a course related to Natural Resources

0.5 Credits per class period**; Grades 12**

Agriculture, Food, and Natural Resources-Workplace Experience courses provide students with work experience in fields related to agriculture, food, and natural resources. A contract is set cooperatively by the student, teacher, employer, and parent/guardian.

Art

Drawing & Painting I (H8INA)

0.5 Credit; Grades 9-12

If you want to improve your drawing and painting skills, this is a great class to begin the process! Or maybe, you would like to try something new and want to begin somewhere. This is a semester course which provides a basic foundation of both design and realistic drawing and painting. Basic techniques are presented to encourage personal creativity and a successful beginning artistic experience using a variety of materials and processes. This course prepares students for additional art opportunities in additional courses. This course is a basic level course of high school art, building upon the skills learned at the lower grades.

Drawing & Painting II (H8SAII)

Prerequisite: Drawing & Painting I

0.5 Credit; Grades 9-12

This semester course builds upon Drawing & Painting I. Students will continue to refine drawing skills and techniques, expand skill of both design and realistic expression, exploring additional materials and will receive increased emphasis on the expressive possibilities of the mediums. Students are encouraged to grow personal creativity and emphasize individuality. Grade of B- or higher from Drawing/Painting I required.

Ceramics I (H8CRM1)

0.5 Credit; Grades 9-12

Welcome to Ceramics I. Students will be exposed to all major forms of ceramic building: coil, slab, pinch, and hand building procedures, as well as learning to “throw a pot” on the potter’s wheel. Students will also engage in fundamental glazing and firing techniques. Students will demonstrate their ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings. Students will make projects that are functional as well as non-functional. All projects will include exposure to various tools, techniques and vocabulary. No previous art class is required.

Ceramics II (H8CRM2)

Prerequisite: Ceramics I

0.5 Credit; Grades 9-12

This course is designed for students who are interested in exploring Ceramics on a more personal level. Each student will be assigned a unit of study throughout the course of the year. These units of study will ask the students to use a specific method of construction or to concentrate on a specific theme. Within this unit, the students will be responsible for brainstorming, designing, planning, and executing their work on a proficient level. The students will be graded in similar fashion to Ceramics I level; however their past experiences will be taken into account when considering craftsmanship, thinking and planning, experimentation and creativity. Students taking this level of Ceramics will be expected to act as good role models for other students taking the class; exemplifying great participation, execution of work, and behavior in the classroom. Work created during this level of Ceramics will be of portfolio-level quality. Grade in Ceramics I of B- or higher required for Ceramics II.

Advanced Studio Arts (H8ADA)

Prerequisite: Drawing & Painting I and Ceramics I

0.5 Credit; Grades 11-12

This course is for students who want an opportunity to advance to a higher level of understanding and skill development in the two-dimensional and/or three-dimensional areas. ASA builds upon the skills and knowledge learned in Drawing & Painting II and Ceramics II. Stronger emphasis is placed on composition and the creation of original artworks for portfolios. The general areas of study included in this course are a focus on art history, recognizing works and artists from different periods of art history and world cultures. Students will be expected to express their ideas in a variety of styles and methods. Students will be required to participate in class discussion, discuss works of art, critique a formal work of art, study styles of art through slides and videos, and create projects that illustrate these styles in order to earn credit for this course.

Business Education

Personal Finance (H7PFN)

0.5 Credit; Grades 11-12

This is a required course for graduation; it is designed to prepare students for life after high school. This class will introduce students to important and relevant concepts as they relate to personal finance. Topics will include: budgeting, saving, financial services, consumer credit, insurance, taxes, estate planning, and personal investing, as well as housing and real estate and consumer awareness. Students will come to understand the importance of personal finance and how it impacts their lives, now and in the future. This course is articulated with Western Technical College, and students can receive up to three college credits if they pass the course with a 70% or higher ("C" or better) and successfully complete all course competencies and learning objectives.

Transcripted Course: 1.0 Credit for Personal Insurance, Tax, Estate Planning (10114122.18), 1.0 Credit for Personal Investing (10114123.20), and 1.0 Credit for Personal Money Management and Loans (10114121.18) at Western Technical College.

Accounting (H8ACCa; H8ACCb)

1.0 Credit (Full Year); Grades 10-12

Accounting is a one-year financial accounting course. Students will investigate the field of accounting. Students will develop the skills used to systematically compute, record, classify, summarize, analyze, verify, and communicate accounting information. In addition, students will formulate and interpret financial information for use in management decision making. Units will cover accounting for proprietorships and corporations. Manual accounting skills will be taught; online accounting simulations will also be utilized.

Yearbook (H8X80a; H8X80b)

1.0 Credit; Grades 9-12

This course provides students with the knowledge and skills necessary to produce the school yearbook. Students may gain experience in several components (writing, editing, layout, production, photography, fundraising, sales, and so on) or may focus on a single aspect while producing the publication.

Intro to Marketing (H8Mkt1)

0.5 Credit; Grades 10-12

Intro to Marketing is a course that explores all the ways in which marketing satisfies consumer and business needs and wants for products and services. This course will focus on current topics in business and marketing, including the 4 P's: product, price, place, and promotion. The class also includes topics on economics, career exploration, and writing business and marketing plans. In addition, students will apply the principles of marketing, as they work to create a marketing project throughout the semester.

Business Law (H8BLW)

0.5 Credit; Grades 9-12

Business Law will introduce students to the legal and ethical issues that arise in business decisions and the laws that apply to them. Topics covered may include: law and lawmaking, torts, contracts, warranties, government support for families and individuals, due process, the right to privacy, discrimination, intellectual property, and rights and responsibilities in the workplace. Throughout this course, students will analyze various case studies, study current court cases, and learn from guest speakers.

Work Release- Finance (H8WR4a; H8WR4b)

Co-Requisite: Must take a course related to Finance

0.5 Credits per class period**; Grades 12**

Finance-Workplace Experience courses provide students with work experience in fields related to finance. A contract is set cooperatively by the student, teacher, employer, and parent/guardian.

Driver Education

Driver Education (H8DRE)

Prerequisite: Must be at least 15 years old during the course

0.25 Credit; Grades 9-12

Students are given 30 hours of the classroom phase of driver education. A $250.00 fee will be charged for the Behind-the-Wheel portion of driver education. The students can receive 6 hours of laboratory (behind-the-wheel training) and 6 hours minimum of observation in a dual-control car under the direction of the driver education teacher. The driving phase of the program is available to the students when they have reached the eligible driver-training age (15 years). A certificate of completion will be issued on the basis of knowledge of the rules of the road, knowledge of driving procedures, and positive attitude towards responsible behavior in school and while driving.

English

The typical English course sequence calls for students to take English 9, 10, 11, and 12. However, during Sophomore,Junior and Senior Year they are able to take college preparatory and college level courses. See the course descriptions and prerequisites below to help determine which path is the best fit.

Typical Course Sequence

9th: English 9
10th: English 10 OR AP English Language & Composition
11th: English 11 OR AP English Literature & Composition
12th: English 12 OR College Prep English

English 9 (H1E09a; H1E09b)

1.0 Credit; Grade 9

English 9 is a part of a sequence of courses that progressively increase the students' abilities in all areas of Language Arts. Each course includes activities related to areas of study which include, but are not limited to, the following: reading (short story, novel, poetry, non-fiction, drama, etc.), vocabulary building, writing (sentence, paragraph, essay, research), and public speaking (speeches, group and individual presentations, etc.). Each course is thematically bound; the theme of English 9 is Literary Elements and Genre.

English 10 (H1E10a; H1E10b)

1.0 Credit; Grade 10

English 10 is a part of a sequence of courses that progressively increase the students' abilities in all areas of Language Arts. Each course includes activities related to areas of study which include, but are not limited to, the following: reading (short story, novel, poetry, non-fiction, drama, etc.), vocabulary building, writing (sentence, paragraph, essay, research), and public speaking (speeches, group and individual presentations, etc.). Each course is thematically bound; the theme of English 10 is World Literature.

English 11 (H1E11a; H1E11b)

1.0 Credit; Grade 11

English 11 is a part of a sequence of courses that progressively increase the students' abilities in all areas of Language Arts. Each course includes activities related to areas of study which include, but are not limited to, the following: reading (short story, novel, poetry, non-fiction, drama, etc.), vocabulary building, writing (sentence, paragraph, essay, research), and public speaking (speeches, group and individual presentations, etc.). Each course is thematically bound; the theme of English 11 is American Literature.

English 12 (H1E12a; H1E12b)

1.0 Credit; Grade 12

English 12 is a part of a sequence of courses that progressively increase the students' abilities in all areas of Language Arts. Each course includes activities related to areas of study which include, but are not limited to, the following: reading (short story, novel, poetry, non-fiction, drama, etc.), vocabulary building, writing (sentence, paragraph, essay, research), and public speaking (speeches, group and individual presentations, etc.). Each course is thematically bound; the theme of English 12 European Literature.

AP English Language and Composition (H1APGa; H1APGb)

Prerequisite: Must have B- or better in all English classes on your transcript.

1.0 Credit; Grade 11

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

AP Literature and Composition (H1APLa; H1APLb)

Prerequisite: Must have B- or better in all English classes on your transcript.

1.0 Credit; Grade 11

AP English Literature & Composition is a college level course, and students can, by good performance on the AP Exam in the spring, obtain up to 3.0 college credits and/or advanced placement in college English. The course requires of its students careful, deliberate, and figurative reading of multiple novels and stories to be as well as an intensive study of poetry. The literature, approved by the College Board, may well address mature topics. Writing, as an integral part of the course, will consist of multiple compositions each quarter, which will reinforce the critical reading skills taught across the spectrum of literary genres. The course workload is college level and will include practice AP examinations throughout the year. Summer reading is required.

College Prep English (H1X04a; H1X04b)

1.0 Credit; Grade 12

College Prep English may replace English 12 for eligible seniors pursuing education beyond high school. The primary focus of the course is reading, writing, and research skills required at the college level. Due to the diverse and rigorous coursework and pace, prior ELA classes, student work, grading, and/or test scores will be taken into consideration for receiving placement.

English Lab (H1X25)

0.5 Credit; Grades 9-11

This supplemental English Language Arts (ELA) course is designed to be taken in addition to or in coordination with other ELA courses. It will provide instruction to assist students in acquiring math skills so that they are able to attain necessary grade-level skills or reach a desired competency level. *This course will be assigned to students if needed and does not count toward the 4.0 credits of English required by Royall High School.*

Foreign Language

Spanish I (H8SP1a; H8SP1b)

1.0 Credit ; Grades 9-12

The purpose of first year Spanish is to learn functional and conversational Spanish through an emphasis on listening comprehension and conversational practice in various situations. We will be using present tense verbs and a wide variety of vocabulary. Students will be exposed to various Hispanic cultures by celebrating their holidays and learning about their music, food, art, people, and history. The majority of the class will be conducted in Spanish.

Spanish II (H8SP2a); H8SP2b)

Prerequisite: Spanish I

1.0 Credit; Grades 10-12

In the second year we will continue to increase conversational and listening skills while building on the reading and writing aspects of the language. The students will review the present tense verbs, and add on past, command, and future verb tenses. We will continue to study the cultures of the Spanish language through immersion into the language, and its people. The majority of class is conducted in Spanish.

Spanish III (H8SP3a; H8SP3b)

Prerequisite: Spanish II

1.0 Credit; Grades 11-12

Students will be speaking, writing, reading, and listening in Spanish. Verb tenses will be reviewed and students will be exposed to more Hispanic art and literature. Class is conducted entirely in Spanish.

Spanish IV (H8SP4a; H8SP4b)

Prerequisite: Spanish III

1.0 Credit; Grade 12

Emphasis is placed on developing fluency of the language and developing interpretive skills. Class is conducted entirely in Spanish.

Health

Health (H6HEA)

0.5 Credit; Grade 9

The aim is to help teenagers recognize and resolve health problems they face as teens as well as those encountered later in life. This course directs students to current and meaningful health topics. Areas of concentration are mental and emotional health, personality, drugs and alcohol, nutrition, sexuality and disease prevention.

Work Release- Health Science (H8WR5a; H8WR5b)

Co-Requisite: Must take a course related to Health Science

0.5 Credits per class period**; Grades 12**

The aim is to help teenagers recognize and resolve health problems they face as teens as well as those encountered later in life. This course directs students to current and meaningful health topics. Areas of concentration are mental and emotional health, personality, drugs and alcohol, nutrition, sexuality and disease prevention.

Mathematics

Fulfillment of Algebra 1 can be obtained through two options:

The Basic Algebra series consists of all the Algebra I materials, however it is spread out over a two year span. The purpose of all beginning Algebra courses is to build up core mathematical skills so students are prepared for upper level mathematics courses. Students who take Algebra 1 in 8th grade are encouraged to take 3.0 credits of Mathematics in high school. They will earn 1.0 high school math credits, but it will not be calculated into their GPA.

Basic Algebra A Freshman Year	**Algebra 1** 8th grade or Freshman Year
Basic Algebra B Sophomore Year	

Requirements for enrollment into Algebra I in 8th Grade for credit:

The following data points will be evaluated to determine a student's readiness for Algebra I in 8th grade:

- 7th Grade Mathematics grades- must be a B or higher
- 7th Grade attendance- must have at least a 90% attendance rate
- 7th Grade End of the year exam- must pass this end of the year exam

Students must maintain a C+ or higher in Algebra I to earn credit. If they do not maintain a C+ or higher, they will be moved back to 8th Grade Mathematics. This will be assessed at the end of each Quarter.

Basic Algebra A (H3ALAa; H3ALAb)

1.0 Credit; Grade 9

Basic Algebra A is a slower paced course and is the first class in the Basic Algebra series. This course includes working on fundamental principles of mathematics, order of operations, algebraic formulas and solving single and multi-step problems as well as word problems. Students will also work on constructing and interpreting graphs. Along with strengthening basic math skills, students will also develop problem solving and logical reasoning skills.

Basic Algebra B (H3ALBa, H3ALBb)

Prerequisite: Algebra A

1.0 Credit; Grade 10

Basic Algebra B is a slower paced course and is the second class in the Basic Algebra Series. This course advances basic algebraic operations, problem solving techniques, and measurement functions. The use of practical algebra and occupation mathematics is also learned to help solve problems. Basic Algebra also explores solving more complex problems, square roots and functions (both linear and quadratic).

Algebra I (H3ALIa, H3ALIb)

1.0 Credit; Grade 9

This course focuses on the structure and properties of real numbers. Topics include: solving equations and inequalities, representing changes with variables, exploring linear relationships, understanding functions and graphing as well as working with polynomials. Students will work with problems involving mixtures, uniform motion, work percent's, and many other algebraic functions. Emphasis is put on both line and coordinate graphing with linear equations, along with explorations of radicals and the quadratic equation. Algebra I is designed to develop the student's arithmetic and algebraic skills necessary for problem solving and advanced mathematics study.

Students will have the opportunity to take this course in 8th Grade. They will receive 1.0 credit on their transcript but it will not be taken into consideration when calculating GPA or Class Rank. They will still be encouraged to take 3.0 credits of Math during their 4 years in High School.

Geometry (H3GEOa, H3GEOb)

Prerequisite: Algebra B or Algebra I

1.0 Credit; Grades 9-11

Geometry is a mathematics investigation of the properties of basic planar figures, such as lines, triangles, and circles, using the methods of deductive logic and formal proof. The course includes practical applications dealing with area and volume, but has as its main intent, the development of mathematical reasoning. ACT math prep is presented as a separate unit.

Geometry by Design (H3GCa, H3GCb)

Prerequisite: Algebra B or Algebra I

Co-requisite: Geometry by Design Lab (H8GDLa, H8GDLb)

1.0 Credit; Grades 9-11

This is an integrated course utilizing Geometry concepts in a Building and Construction Trades environment. The course is designed to prepare students for the natural progression to higher math courses, through a course rich in connections to construction projects that will generate interest in the math and increase students' likelihood of success. The applications throughout the course allow students to see the connection between mathematical concepts and the construction of a scale or full-size dwelling. Through the comprehensive integration of woodworking and geometry, students discover geometric concepts as they design and build woodworking products. This course is designed for students who enjoy learning mathematics through creativity and hands-on projects. Geometry by Design clearly articulates connections between geometric concepts and the creation of 3-dimensional wooden masterpieces. **If you do not maintain a C average you may be removed from this course.**

Advanced Algebra (H3ADAa, H3ADAb)

Prerequisite: Algebra I or Geometry

1.0 Credit; Grades 10-12

Students will review and further explore Algebra topics that were covered in previous years. New topics include: graphs in space, determinants, sequences and series, complex numbers, quadratic relations, logarithms, and probability.

Pre-Calculus (H3CALa; H3CALb)

Prerequisite: Advanced Algebra and Geometry

1.0 Credit; Grades 11-12

This class explores and analyzes many different types of functions including polynomials, rational, exponential, and trigonometric. Emphasis is placed on preparation for a calculus class.

AP Calculus (H3APCa; H3APCb)

Prerequisite: Pre-Calculus

1.0 Credit; Grades 11-12

All topics on the AP Calculus AB exam will be covered in this course. Those topics include the derivative and its applications, the integral and its applications, and differential equations. College credit could be earned by taking the final AP Exam (there is a cost associated with the exam).

AP Statistics & Probability (H3STA, H3STAP)

Prerequisite: Advanced Algebra

1 Credit; Grades 11-12

All topics on the AP statistics exam will be covered in this course. Emphasis is placed on interpretation over computation. Topics include analyzing one and two variable data sets, sampling, inference, and significance testing for claims about means and proportions. College credit could be earned by taking the final AP Exam (there is a cost associated with the exam).

Math Lab (H3X25)

0.5 Credit; Grade 9-11

This supplemental math course is designed to be taken in addition to or in coordination with other math courses. It will provide instruction to assist students in acquiring math skills so that they are able to attain necessary grade-level skills or reach a desired competency level. *This course will be assigned to students if needed and does not count toward the 3.0 credits of math required by Royall High School.*

College and Career Readiness & Computer Technology Update (H8CRR)

0.5 Credit; Grade 10

This is a two part course taken in one semester.

College and Career Readiness: Students will learn life skills that can be utilized in college, an apprenticeship, the military or a career – whether right out of high school or after furthering their education. Self-discovery, career discovery, educational options, and etiquette/soft skills are the focus of this class. Students will have the opportunity to work on various types of applications, create their own resume and learn how to conduct themselves in an interview.

Computer Technology Update: Students will update their computer and technology skills, to prepare to enter their final years of high school and beyond. Students will become proficient with Google Drive and utilize various Google applications, including Docs, Slides, Drawing, Sites and Gmail to complete assignments relating to College and Career Readiness topics.

Study Hall Semester (H9SHSa, H9SHSb)

0 Credit; Grades 9-12

This is a semester-long study hall worth zero credit that is set aside for study and the preparation of schoolwork.

Study Hall Quarter (H9STDQ)

0 Credit; Grades 9-12

Co-requisite: Drivers Education (H8DRE)

This is a quarter-long study hall worth zero credit that is required during the second half of Drivers Education. It is set aside for study and the preparation of schoolwork as well as time to complete behind-the-wheel hours.

Teacher's Aide (H8TEA)

0.5 credit; Grades 10-12

Prerequisite: Cumulative GPA of 2.5 or higher

An ongoing, volunteer, unpaid work experience program designed to provide students with "real life" examples of working with children. Students enrolled in the Teacher's Aid program have identified a career interest that is associated with teaching, childcare or human services types of activities. No grade will be assigned, but rather a pass/fail will be indicated on their report cards. Corresponding teachers will complete quarterly evaluations. Students have an opportunity of receiving 0.5 elective credits if students and assigned teachers meet qualifications. Students will need to sign out at our office and in at the office of the building to which they are assigned.

Study Skills (H8X66)

0.5 credit; Grades 9-12

Study Skills prepares students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; organized, logical thinking and writing; and test-taking skills. This course may also include exercises in organization and everyday wellness. This is a pass/fail course and does not affect student grade point average unless failed.

Biology (H4BIOa; H4BIOb)

1.0 Credit; Grade 9

Biology is best described as millions of organisms forming the diverse citizenry of earth. BIOLOGY – the science of life – includes the study of every one of these organisms. It includes the study of the microscopic structure of a single organism as well as the study of the global interactions of millions of organisms. It includes the study of an organism's individual life history as well as the collective history of all organisms. The science of Biology is as varied as the organisms that are its subjects. However, biology is unified by certain themes.

Seven major themes are covered during this course: evolution, reproduction and inheritance, development, structure and function, energy relationships, ecology, and science and society. Students will be working on several labs throughout the course to give them a hands-on approach. Units covered include Chemistry of Life, Cell Structure & Function, Energetics, Cell Cycles, Genetics, DNA, Evolution, Taxonomy/Classification/Dissection, and Ecology.

Applied Science (H4PHSa; H4PHSb)

1.0 Credit; Grade 10

Applied Science is an introductory, concept-focused science course designed to provide students with a broad foundation in both chemistry and physics while emphasizing real-world applications and scientific literacy. The course is structured to prioritize conceptual understanding, qualitative reasoning, and practical problem-solving, with limited mathematical complexity compared to traditional upper-level science courses. During the first semester, students explore foundational chemistry topics including unit conversions and scientific notation, the structure and properties of matter, atomic structure, identification of chemical reactions, balancing chemical equations, and the classification of acids and bases. The second semester focuses on essential physics concepts such as motion, forces, energy, waves, electricity, and magnetism. Instruction is supported through hands-on activities, demonstrations, and applied examples that reinforce scientific reasoning without heavy reliance on advanced algebraic or mathematical modeling. This course is well suited for students seeking a practical science experience or preparation for technical pathways, while building confidence and competence in scientific thinking.

Chemistry (H4CHMa; H4CHMb)

Prerequisite: Algebra I or Algebra B

1.0 Credit; Grades 11-12

This course provides a comprehensive introduction to the fundamental principles governing the composition of matter and the physical, chemical, and nuclear changes it may undergo. Emphasis is placed on developing a conceptual and quantitative understanding of chemical behavior through the study of atomic structure, chemical bonding, and the organization and function of the periodic table. Topics include chemical composition and reactions, the interpretation and balancing of chemical equations, gas laws, phases of matter, and the properties and behavior of solutions. Students will engage in problem-solving, laboratory investigations, and applied exercises designed to reinforce core concepts such as compound nomenclature, stoichiometric relationships, and the interactions between matter and energy. Through these experiences, students will develop scientific reasoning skills and a foundational understanding of chemistry that supports success in advanced science coursework. Upon completion of this course, students will be well prepared and confident to pursue further studies in chemistry and related scientific disciplines. This course is recommended for students planning to continue their education at a post-secondary institution.

Physics (H4PHYa; H4PHYb)

1.0 Credit; Grades 11-12

Prerequisite: Applied Science, Geometry or Advanced Algebra (recommended)

Physics is an upper-level, non-calculus-based course that examines the fundamental principles governing the motion and behavior of matter through space and time, as well as the relationships among energy, forces, and interactions. The course emphasizes both conceptual understanding and quantitative problem-solving through the application of mathematical models and experimental analysis. Major topics include vector analysis, kinematics, Newton's Laws of Motion, conservation of momentum and energy, wave phenomena, basic electromagnetism, and geometric and physical optics. Students will engage in laboratory investigations and real-world applications designed to develop scientific reasoning, analytical thinking, and proficiency in interpreting data and mathematical relationships. Upon completion of this course, students will have established a strong foundational understanding of physics concepts that supports success in advanced science and technical studies at the post-secondary level.

AP Biology (AdBioa; AdBiob)

Prerequisite: Must have passed Biology, Chemistry, and Algebra with a C+ or better.

1.0 Credit; Grades 11-12; Even Year

The AP Biology course is an introductory college-level biology course. It is organized into commonly taught units of study that provide a suggested sequence for the course. These units comprise the content and skills colleges and universities typically expect students to master to qualify for college credit and/or placement. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions

AP Chemistry (H4X12a; H4X12b)

Prerequisite: Must have passed Chemistry and Advanced Algebra with C+ or better.

1.0 Credit; Grades 11-12

AP Chemistry is a rigorous, college-level course designed to provide students with a strong theoretical and experimental foundation for advanced study in chemistry and related scientific disciplines. The course emphasizes inquiry-based learning and quantitative problem-solving, allowing students to develop a deep conceptual understanding of chemical principles through laboratory investigations, data analysis, and mathematical modeling. Students explore core topics including atomic structure, intermolecular forces and chemical bonding, chemical reactions, kinetics, thermodynamics, and chemical equilibrium. Instruction focuses on connecting molecular-level interactions to observable macroscopic behavior while strengthening students' abilities to analyze experimental results and apply fundamental laws of chemistry. Upon completion of this course, students will be well prepared for post-secondary coursework in science, engineering, and health-related fields, as well as for the AP Chemistry examination.

AP Environmental Science (H4APEa, H4APEb)

Prerequisite: Must have passed Biology, Applied Science or Chemistry, and Algebra 1 with a C+ or better.

1.0 Credit; Grades 11-12, Grade 10 w/o Applied Science/Chemistry/Physics prerequisite considered on a case by case basis by recommendation; Odd Year

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Topics covered include: Ecosystems, Biodiversity, Populations, Earth Systems and Resources, Land and Water Use, Energy Resources and Consumption, Atmospheric Pollution, Aquatic and Terrestrial Pollution, and Global Change. Real world case studies, laboratories, and fieldwork investigations make up 20-25% of the class.

Environmental Earth Science (H4X02a; H4X02b)

1.0 Credits; Grades 10-12

This course studies the structure and systems of the Earth and other bodies in the universe. First semester centers around the earth and its composition as well as the changes that have and are still taking place that are reshaping the earth's crust including earthquakes, volcanic activity, plate tectonics, the rock cycle, and weathering and erosion. Map reading and hands-on lab activities are also part of the first semester. Second semester focuses on the earth's soil and water issues which include the water cycle, erosion, and glaciers. Lab activities and field trips are incorporated into these units. Oceans, weather and space units will be covered towards the end of the semester.

Forensic Science (H4XFSa; H4XFSb)

1.0 Credit; Grades 10-12

This course will look into crime scene investigation from the view of forensic scientists as well as law enforcement. After an introduction to the field, studies of the analysis of fingerprints, documents & handwriting, hair & fiber, soil and glass, blood, DNA, entomology, toxicology, human remains, cause of death, arson, forensic psychology, criminalistics, and trace evidence will be explored. Case studies of true crime investigations will be included, as well as 2 or 3 large projects per semester.

Anatomy & Physiology (H4APa; H4APb)

1.0 Credit; Grades 11-12

Prerequisite: Biology and Applied Science Required. Chemistry recommended, but not required.

This course is a study of the structure and function of the human body. It is meant to be preparation for advanced biological studies, biomedical nursing, and other health and science based careers. Students will study the structure and function of the various cells, tissues, and integrated systems of the body.

Band (H8BNDa; H8BNDb)

1.0 Credit; Grades 9-12

The instrumental music program at Royall offers a variety of experiences in music education including Concert Band, Marching Band, Pep Band, Individual Lessons, and Solo & Ensemble. Specific instruments also have the opportunity to participate in Jazz Band. Throughout the course, students will study and perform music in a wide variety of styles. All students enrolled are required to participate in all performances. Though helpful, past experience is not necessary. There will be class expenses throughout the year to cover maintenance and other costs related to your instrument.
This course can be taken multiple times for credit.

Concert Choir (H8CHRa; H8CHRb)

1.0 Credit; Grades 9-12

The vocal music program at Royall offers a variety of experiences including Concert Choir, Madrigal, and Solo & Ensemble involvement. Students are required to make themselves available for lessons and ALL performances that occur throughout the school year. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. While many students in the groups have had prior choral experience, this is not necessary for a student interested in being a member.
This course can be taken multiple times for credit.

Beginning Piano (H8PIA)

0.5 Credit; Grades 9-12

Have you always wanted to learn to play the piano, but never had the opportunity? This may be your chance!! The Beginning Piano Class is for students who would like to learn to play piano who have VERY LITTLE OR NO previous experience on the piano. Students will learn to read music and develop technical proficiency through practice and performance of elementary piano music. Students need not have their own piano or keyboard at home. Class size is limited to 4**.**

Music Theory I (MusicI)

Prerequisite: Enrolled in band or choir

0.5 Credit (Fall Semester); Grades 11-12

This course is designed for students who wish to gain a more advanced understanding of the fundamentals of music through practical work, ear training, and composition. Music Theory I will cover notation, rhythm, time signatures, key signatures, dynamics, tempo, accidentals, major scales, intervals, chromatic scale, and transposition.

Music Theory II (MusiII)

Prerequisite: Enrolled in band or choir and completed Music Theory I

0.5 Credit (Spring Semester): Grades 11-12

This course is designed for students who wish to gain a more advanced understanding of the fundamentals of music through practical work, ear training, and composition. Music Theory II will cover compound time signatures, syncopation, triads, chords, minor scales, modes, harmonization, blues scale, and basic form structures.

Team and Individual Sports (H5PET)

0.5 Credit (Fall Semester); Grades 9-12

This course emphasizes the learning of and participation in a variety of athletic activities including team, individual-dual and lifetime sports. Main goals will be promoting proper psychomotor skills and a strong healthy body while striving to develop each individual's personality through self-accomplishment and participation with other students.

This course may be taken multiple times for credit.

Adventure PE (H5PEA)

0.5 Credit (Spring Semester); Grades 9-12

Students will be introduced to the seven stages of Adventure Education and participate in outdoor pursuits such as biking, snowshoeing, rock climbing, orienteering, and geocaching. The outdoor high ropes course and the indoor climbing wall will be key tools where the students will be taught ropes course safety, knot tying, and the etiquette of individual and team belaying.

This course can be taken multiple times for credit.

Fitness Training (H5PEF)

0.5 Credit; Grades 9-12

Students will be introduced to each piece of weight room equipment and shown its safe and proper use along with understanding which muscles it is aimed at working. Safe and effective training principles and plans will also be taught which will allow each student to create an individualized fitness plan that they will be using throughout the semester. A large component of this course centers on cardiovascular endurance. Students should be prepared to perform intense workouts.

This course can be taken multiple times for credit.

Social Studies

Typical Course Sequence 2026 and after

9th: Social Studies OR AP Human Geography
10th: United States History OR AP United States History
11th: World History OR AP World History: Modern
12th: Psychology or Sociology

Social Studies (H2X14a; H2X14b)

1.0 Credit; Grade Grade 9

This class will introduce students to the basic concepts of geography, political science and economics.

AP Human Geography (H2APGa, H2APGb)

1.0 Credit; Grades 9-12

AP® Human Geography is a yearlong course that contains seven units of study as outlined in the 2022 Course and Exam Description (CED) published by the College Board. The units in the CED focus on topics including thinking geographically, population and migration, culture, political geography, agriculture, urban geography, and development and industrialization. Students will have multiple opportunities to apply the information addressed in each unit. It is strongly recommended that college bound students take this class.

United States History (H2UHIa; H2UHIb)

1.0 Credit; Grade 10

This is a survey course of the history of the United States from its pre-colonial history to the present era. Each unit builds upon each other in an effort to build an understanding of the story of American history and how events of our past relate to one another. A major objective of this course is to relate the past to the present and understand how the events of our history have shaped, and continue to shape our country today.

AP United States History (APUSHa, APUSHb)

1.0 Credit; Grades 10-12

AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments. The course will follow the recommended syllabus put forth by the College Board. College credit could be earned by taking the final AP Exam (there is a cost associated with the exam).

World History (H2WHSa; H2WHSb)

1.0 Credit; Grade 11

World History is a class that primarily focuses on the study of the world's civilizations from a historical perspective. The course starts with a study of the four "cradles of civilization" and reviews major historical facts and events through the post-cold war era. There is a special emphasis on the development of western civilization.

AP World History: Modern (H2X15a; H2X15b)

1.0 Credit; Grade 11

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Psychology (H2PSY)

0.5 Credits; Grades 11-12

Psychology is an **advanced** course that introduces students to the many fields of psychology. Through the study of psychology, students will come to a better understanding of basic reasons for their thoughts and actions. Major units of study include: how learning takes place, problem solving, child development, the aging process, the nature of stress and coping strategies, and psychological disorders and their treatments.

Sociology (H2SOC)

0.5 Credit; Grades 10-12

This course is an introduction to the basic concepts and applications of sociology. It will provide the student with the opportunity to study how individuals in society act in groups, the interaction between groups, and how individual behavior is influenced by society. Units and topics include sociological theory, schools and society, gender, race and ethnicity, deviance, crime and the justice system, and citizenship.

Special Education

Resource Study Hall (H9RSSa, H9RSSb)

0.5 Credit; Grades 9-12

Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing.

Life Skills (H8CfCa)

0.5 Credit; Grade 12

Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decision making, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.

Consumer Mathematics (H3X11; H3X11b)

1.0 Credit; Grades 10-12

Consumer Math is a course that focuses on everyday mathematics such as income, taxes, budgeting, purchasing homes and automobiles and other common practical math applications.

English Intervention (H1EInA; H1EInB)

0.5 Credit; Grade 9-12

English Intervention provides students who are in need of additional support in reading and writing with small group learning at a pace that meets the level of the group. Topics covered are basic reading and writing skills, making connections, comprehension, vocabulary and parts of speech.

Mathematics Intervention (H3X01a; H3X01b)

0.5 Credit; Grade 9-12

Mathematics Proficiency Development courses are designed to assist students in acquiring the skills necessary to be proficient in their mathematics courses.

Technical Education

Geometry by Design Lab (H8GDLa, H8GDLb)

Prerequisite: Algebra B or Algebra I

Co-requisite: Geometry by Design (H3GCa, H3GCb)

1.0 Credit; Grades 9-11

This is an integrated course utilizing Geometry concepts in a Building and Construction Trades environment. The course is designed to prepare students for the natural progression to higher math courses, through a course rich in connections to construction projects that will generate interest in the math and increase students' likelihood of success. The applications throughout the course allow students to see the connection between mathematical concepts and the construction of a scale or full-size dwelling. Through the comprehensive integration of woodworking and geometry, students discover geometric concepts as they design and build woodworking products. This course is designed for students who enjoy learning mathematics through creativity and hands-on projects. Geometry by Design clearly articulates connections between geometric concepts and the creation of 3-dimensional wooden masterpieces.

Wood Fundamentals (H8WD1)

0.5 Credit; Grades 9-12

This is a semester course consisting of the basic fundamentals of machine woodworking. Projects will include a cutting board and a small furniture project. The student will get to choose from three projects to complete ranging from a bookcase, plant stand, or entry table. Material cost will be around $25.00-$45.00 per student.

Transcripted Credit: 3.0 Credits for Fundamentals of Woodworking (31409311.14) at Western Technical College.

Carpentry/Construction (H8Carp)

0.5 Credits; Grades 10-12

Prerequisite: Woods Fundamentals, Geometry or Geometry by Design Lab

This course will introduce up-to-date information about equipment, methods, and materials used in residential construction. It demonstrates the construction field as a career and explains its importance to the community. The course places emphasis on the importance of safety on the work site—whether it is on a job, at school or home. Students, do-it-yourselfers, and even experienced carpenters must be able to recognize and correct unsafe conditions and practices.

Metal Fabrication (H8WL1a)

0.5 Credit; Grades 9-12

Students taking this course will learn and demonstrate SMAW, GMAW, GTAW, oxy-fuel and other production processes. There will also be small projects required on the lathe, milling machine and CNC plasma table. Lab safety and clean-up will be emphasized.

Advanced Welding and Fabrication (H8WL2a; H8WL2b)

Prerequisite: Metal Fabrication

1.0 Credit; Grades 10-12

This year-long course students will learn about advanced welding, machining procedures, and industry standards. Welding symbols, out of position welding, metal lathes, and mills will be used to produce projects. Routine machine maintenance and lab clean-up will be addressed.

Small Gas Engines (H8ENG)

0.5 Credit; Grades 9-12

This is a semester elective course designed to give students a basic understanding of the internal combustion engine. It is a course that also teaches students the correct maintenance and operation of the small gasoline engine. It gives them, through lab work, some understanding of minor overhaul and tune-up of these engines.

Car Care (H8AUT)

Prerequisite: Small Gas Engines

0.5 Credit; Grades 9-12

The semester course is designed to give students a complete understanding of the automobile. The course is designed for students to acquire hands-on experience with basic systems of the automobile. Students will be performing basic maintenance checks, changing oil, repairing tires, changing filters, and other basic components.

Work Release- Architecture & Construction (H8WR3a; H8WR3b)

Co-Requisite: Must take a course related to Architecture & Construction

0.5 Credit per class period**; Grades 12**

Architecture and Construction-Workplace Experience courses provide students with work experience in a field related to architecture or construction. A contract is set cooperatively by the student, teacher, employer, and parent/guardian.

Work Release- Manufacturing (H8WR2a; H8WR2b)
Co-Requisite: Must take a course related to Manufacturing
0.5 Credit per class period**; Grades 12**
Manufacturing-Workplace Experience courses provide students with work experience in fields involving manufacturing, supported by classroom attendance and discussion. A contract is set cooperatively by the student, teacher, employer, and parent/guardian.

Advanced Placement

These typically junior/senior level courses follow a college level curriculum designed to prepare students for the Advanced Placement (AP) exam in the appropriate subject area. Students may opt to take AP exam(s) at their own expense for potential college credit. AP exams are administered in May each year. AP courses may be limited based on resources or class space (senior, junior, g.p.a). The National AP organization has determined that AP Exams will be ordered in the fall. After the November order deadline date additional fees may apply for late orders or cancellations. You may take an AP exam without taking an AP course, which must be determined before the order deadline. Contact your school counselor with any questions.

AP Courses Offered

- AP Biology
- AP Calculus
- AP Chemistry
- AP English Language & Composition
- AP English Literature & Composition
- AP Environmental Science
- AP Human Geography
- AP Statistics
- AP United States History
- AP World History Modern

Distance Learning

Northern Wisconsin Educational Communication System-ITV Network

Prerequisite: Cumulative GPA of 3.0 or higher

Credit Varies; Dual Credit Grades 11-12; High School Credit Grades 11-12

Interactive Television is a vehicle of instruction providing students with a flexible and convenient way to participate in classes and programs which may not have been offered at Royall High School. The ITV network uses 2-way audio and video, allowing students to see, hear, and talk with their instructor and classmates at other locations. Depending on enrollment numbers of each class certain or all classes may not be offered. The decision is that of the school district/University offering the classes. Tuition and books for these courses are free to students who obtain a C- or better. Find full course lists by using this link: https://www.nwecs.net/ **These courses can only be taken if Western Technical College does not have the same course offered.**

Early College Credit Program – UW System

Prerequisite: Cumulative GPA of 3.0 or higher

Credit Varies; Grades 11-12

Students interested in earning college credit while in high school are encouraged to check out college classes from UW schools, UW Independent Learning, and UW Colleges Online. College level classes are also offered through our ITV network mentioned above.

Website for UW Online: https://online.uwc.edu/ ; Website for UW IL: https://il.wisconsin.edu/

Start College Now – Technical System

Prerequisite: Cumulative GPA of 3.0 or higher

Credit Varies; Grades 11-12

Students interested in earning college credit while in high school are encouraged to check out course catalogs from Wisconsin Technical Colleges. Our area's technical college is Western Technical College in La Crosse, WI. Students are able to take courses online or in-person. The following technical college courses are offered through the ITV Network: WITC, NTC, NATC, NWTC (see above).

If you are interested in taking a course through Western Technical College set up a meeting with our Career Coach from WTC to go over your options: HundtM@westerntc.edu

Start College Now and Early College Credit Program (ECCP)

- *Start College Now* allows high school students in good academic standing at Royall to take approved courses at higher educational institutions (Technical College Classes ONLY).
- The *Early College Credit Program* allows high school students in good academic standing at Royall to take approved courses at higher educational institutions, (UW System institution, private, non-profit institution of higher education ONLY).
- Approved courses would include only those not comparable to Royall course offerings. The cooperating higher education institutions have additional eligibility requirements. Enrollment is restricted to seats available.
- Student Responsibility
    - *Students who wish to participate must* ***notify the school board and complete form PI-8700A by March 1st for the fall semester and by October 1st for the spring semester.***

- Students must notify the school board if they are accepted to the post-secondary institution and if they are registered to attend a post-secondary class.

- School Board Responsibility
  - The school board shall determine whether a post-secondary course is eligible for high school credit, how much credit may be awarded, and whether the course is comparable to a course offered at Royall.
  - A student may appeal a school board's decision regarding high school credit/comparability of the post-secondary course to the state superintendent within 30 days.

- Parent/Guardian Responsibility
  - Parents and/or students are responsible for transportation between the school and post-secondary institution. Transportation assistance is available through DPI for low-income families. Transportation costs may only be reimbursed if a student is taking a post-secondary course for high school credit. A claim for transportation reimbursement must have form PI-8701 filled out which is available through DPI website and it must be submitted to DPI no later than 3 days after the end of the school semester to which the claim pertains.
  - A parent/guardian is responsible for satisfactory student attendance and the student's compliance with the compulsory school attendance law under s.118.15 (1) (a), Stats.

- More information can be found at the DPI website: http://dpi.wi.gov/

Western Technical College Career Academies

Prerequisite: Cumulative GPA of 3.0 or higher

Credit Varies; Grades 11-12

Western Technical College is offering career academies to help students get ahead and earn college credits in high school. These are offered at their regional learning centers in Mauston and/or Tomah. Students must provide their own transportation. ***If you are interested in taking a course through Western Technical College set up a meeting with our Career Coach from WTC to go over your options: HundtM@westerntc.edu***

- College Transfer Academy (Mauston)
- Health Science Academy (Mauston)
- Agri-Business Academy (Tomah)
- Future Educators Academy (coming in Fall of 2025)
- IT/Cybersecurity Academy (Virtual)

Click on this link for more information: *https://www.westerntc.edu/earn-college-credit-high-school*

Hillsboro High School

Credit Varies; Grades 11-12

Royall and Hillsboro High Schools are partnering to offer courses either virtually or in-person. Students are welcome to take any course Royall High School does not offer as long as there is availability. Students are responsible for transportation for in-person courses. See their course description book for offerings.

Hillsboro High School Course Description Book (not yet posted for the 26-27 school year)

Wonewoc-Center High School

Credit Varies; Grades 11-12

Royall and Wonewoc-Center High Schools are partnering to offer courses either virtually or in-person. Students are welcome to take any course Royall High School does not offer as long as there is availability. Students are responsible for transportation for in-person courses. See their course description book for offerings.

Wonewoc-Center High School Course Description Book (not yet posted for the 26-27 school year)

School to Work Programs

Work Release-General (H8WRa; H8WRb)

0.5 credit per period taken; Grade 12

Work release is a paid work experience at a legally established business as seen by the government. Students may work up to 3 class periods per day and will be evaluated quarterly by employers. The purpose of this opportunity is to gain work experience. This is a pass/fail course and will be indicated as such on transcripts.

Work Based Learning Program

Governor Thompson's Commission for a Quality WorkForce recommended in the spring of 1991 that all high school curricula be redesigned to better prepare non-college bound students for technical careers. Following this, the Wisconsin State Legislature passed the School-to-Work Transition Initiative in July of 1991, which included directives to develop tech prep and youth apprenticeship programs for students interested in technical careers. At the Royall School District, experiences related to Work-Based Learning were developed. The intent of the experience is to allow students to look at careers related to their interests. The experiences related to Work-Based Learning are designed to train students who plan to enter the workforce directly after high school, who plan to enroll in a technical college or who plan to enroll in a university in a related degree program. Students are required to take a course related to the job they obtain. If interested please contact your school counselor for more information. *Work Based Learning Program Handbook*