

# Royall

## High School Course Handbook

### 2020-2021

## 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.

## 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.

## Planning Your Program

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** – Some courses are one semester in length (0.5 credit) while others are one year in length (1.0 credit).

**Prerequisites** – Some courses have requirements that must be met in order for a student to enroll.

**Fees** – Some courses require students to pay a fee or have specific materials/equipment which require a corresponding cost.

*We strongly suggest that students use this bulletin to consult with their counselor and instructors in making course selections for the school year.*

### **Minimum Graduation Requirements for Royall High School**

- *Under extenuating circumstances substitutions may be made at the discretion of the school district.*

1. Twenty-six and one-half (**26.5**) credits are needed to graduate from Royall High School.
2. Four (**4**) credits of *English* are required and must include:
  - One (1) credit of English 9 (*9<sup>th</sup> grade*)
  - One (1) credit of English 10 (*10<sup>th</sup> grade*)
  - One (1) credit of English 11 (*11<sup>th</sup> grade*) or AP English
  - One (1) credit of English 12 (*12<sup>th</sup> grade*) or College Prep English 12 or ENG 101 and 102
3. Three and one-half (**3.5**) credits of *Social Science* are required and must include:
  - One (1) credit of World History (*9<sup>th</sup> grade*)
  - One (1) credit of United States History (*10<sup>th</sup> grade*)
  - One-half (0.5) credit of Government or Current Events (*9<sup>th</sup> - 12<sup>th</sup> grade*)
  - One-half (0.5) credit of Psychology or Sociology (*11<sup>th</sup> or 12<sup>th</sup> grade*)
  - One-half (0.5) credit of Social Science Elective (*9<sup>th</sup> - 12<sup>th</sup> grade*)

4. Three (3) credits of *Natural Science* are required and must include:
  - One (1) credit of *Biology* (9<sup>th</sup> grade)
  - One (1) credit of *Applied Science* (10<sup>th</sup> grade)
  - One (1) credit of *Chemistry* or *Natural Science* elective (11<sup>th</sup> or 12<sup>th</sup> grade)
5. Three (3) credits of *Mathematics* are required.
6. Two (2) credits of *Physical Education* are required. (9<sup>th</sup> – 12<sup>th</sup> grade)
7. One-half (0.5) credit of *Health* is required. (9<sup>th</sup> grade)
8. Quarter (0.25) credit of *Computer Applications* is required starting with Class of 2019. (10<sup>th</sup> or 11<sup>th</sup> grade)
9. Quarter (0.25) credit of *College/Career Readiness* is required starting with Class of 2019. (10<sup>th</sup> or 11<sup>th</sup> grade)
10. One-half (0.5) credit of *Personal Finance* is required. (11<sup>th</sup> or 12<sup>th</sup> grade)
11. Nine and one-half (9.5) credits of *Electives* are required for Class of 2019 and beyond.

#### **Additional Registration Requirements**

1. All students should register for 7 – 8 credits per year.
2. All students must meet the prerequisites before registering for classes.
3. Parent signature is required on registration sheets for ALL students.
4. All class changes must have parental and instructor's permission and be made through the guidance office.
5. *The school counselor will assign students, who do not properly complete a schedule, courses.*

#### **Course/Schedule Change Regulations**

Students are able to add or drop classes for the following year during the one-week period in May the year before. This is the only time students will be able to look into changing their schedules for the following year.

*Any course dropped after the first week of classes will result in a failing grade.*

#### **Start College Now and Early College Credit Program (ECCP)**

The 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.

*Students who wish to participate must notify the school board and complete form PI-8700A by March 1<sup>st</sup> for the fall semester and by October 1<sup>st</sup> 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.*

*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/>*

#### **Determining High School Credit/Comparability**

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.

## Appeals

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.

## Transportation

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.

## Youth Apprenticeship Programs

Youth Apprenticeship Programs may be offered to juniors and seniors based upon availability. If interested, please check with the school principal.

## UW System College Preparatory Course Requirements

The range of courses offered at today's high schools is designed to prepare students with differing interests and abilities for a variety of life-after-high-school options.

"College prep" courses are particularly important for providing the academic background needed to succeed at a college or university. A college preparatory program helps develop competence in four primary areas—English, mathematics, social studies, and natural science.

All UW System campuses require new freshmen to have completed a minimum of 17 high school credits. Thirteen of these credits must be "core college preparatory" (English, mathematics, natural science, and social science/history); an additional four electives are required.

<b>Subject</b>	<b>Credits</b>
<i>English</i>	4 credits (Composition, Literature, Rhetoric)
<i>Mathematics</i>	3 credits (Algebra I, Geometry, Advanced Algebra)
<i>Natural Science</i>	3 credits (Biology, Chemistry, Physics, Adv. Bio/Chem)
<i>Social Science/History</i>	3 credits

In addition to the "core college preparatory" credits identified, students need to complete a minimum of four elective credits as follows:

<b>Subject</b>	<b>Credits</b>
<i>Electives</i>	4 credits

An additional 4 credits may be chosen from English, mathematics, natural science, social science/history, foreign language, fine arts, computer science, and other academic areas. **(Two years of a single foreign language are required for admission to UW-Madison, and strongly recommended at other UW System campuses.)** Some UW System campuses may also accept technical and career courses for a portion of these 4 elective credits.

All students are encouraged to exceed the minimum number of college preparatory credits required for admission. Students who choose a rigorous high school curriculum (including senior year course work) are more successful in college. Strong academic preparation for college helps to ensure success.

**\*\* Remember to see your school counselor to discuss up-to-date information and admission requirements for any college you are considering.**

- **Students interested in technical college need to apply as soon as possible after their JUNIOR year.**

## **Class Rank**

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

1. 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.
2. The cumulative grade point average determines the rank in class.
3. Each letter grade is given the following numerical equivalent:

A = 4.0   A- = 3.66   B+ = 3.33   B = 3.00   B- = 2.66   C+ = 2.33   C = 2.00   C- = 1.66   D+ = 1.33   D = 1.00   D- = .66   F = .00

## Student Organizations, Clubs, and Activities

### *National Honor Society*

The National Honor Society (NHS) is a national organization established to recognize outstanding high school students. More than just an honor roll, NHS serves to honor those students who demonstrate excellence in the areas of scholarship, leadership, service, and character.

Junior and Senior students with a cumulative GPA of 3.5 or better are eligible to become members of the Royall NHS. A faculty committee does selection every fall.

Most of the activities that the Royall NHS sponsors are related to services to the school and/or community.

### *FFA*

FFA—formerly known as the Future Farmers of America, our official name is now the National FFA Organization since FFA is not limited to farm students but is open to everyone! Agriculture is so much more than farming and so is FFA. FFA is about leadership, careers, and personal growth. It is about making friends, traveling and having fun! Some of the activities that you can participate in if you join our local chapter include: representing the chapter at local, state (Madison) and national (Indianapolis) leadership workshops, participating in Career Development Events, serving as an officer, trying out for Honors Band or Choir, participating in local and regional bowling contests, planning and organizing the AG Olympics and Pancake Breakfast, helping others out through community service and last but not least learning how to become a salesperson by selling fruit and shakes! Step out of your comfort zone and try out the FFA!

### *Art Club*

The Royall Visual Art Club is open to anyone at Royall High School, 9-12 grade; you do not have to be enrolled in an art class to join. The club will meet each Thursday afternoon throughout the school year from 3:15-5:00. Maximum 20 students.

The Visual Arts club creates a platform for students to showcase their talent and expand their knowledge in art and art-making through different mediums. Club members are able to use all art room resources to work on their own projects or to explore new mediums of interest. In addition, the club offers an opportunity for students that are not able to fit Art into their school schedule during the year to enjoy art making experiences. We welcome student participation whenever they are able to fit it into their activity schedule throughout the year.

### *Math Team*

Do you enjoy math? Are you good at it? If so, then the Royall Radicals Math Team is the place for you. The Radicals compete in two competitions throughout the school year. We participate in the University of Wisconsin – Platteville's Math Contest in the fall and we host the Twin Conference Math Contest in the spring. If math is your thing, the Royall Radicals is for you!

### *Forensics*

Forensics is a speaking competition in which students compete in giving speeches, acting, reading poetry, short stories or radio-speaking. There are three competitions: Sub-Districts, Districts and the State competition held at UW-Madison. The students must receive various scores to advance to the next competition.

## *Student Council*

Student Council is a student organization that helps share students' ideas, interests and concerns within the school. Four members from each class work together to make Royall a better place. They run student events, such as Homecoming week, Halloween dress-up days, the Christmas party, dances, and other student driven events. They raise money to help local, state, and world-wide needs, and in the past gave money to Haiti, the American Cancer Society, The Leukemia and Lymphoma Society, as well as collected food for the food bank, and held clothing drives.

Each year they meet with other student from throughout the state and attend a workshop to learn new ideas to bring back to Royall.

## *Sports*

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Volleyball	Basketball	Baseball
Football	Wrestling	Softball
Cross Country	-----	Track & Field

## Course Descriptions

The following is a list of course descriptions by department. Please make sure you read each course description before registering for that course. Also, check to make sure you have met the prerequisites and grade level for each course.

### **AGRICULTURE**

#### **Small Animal Care and Management**

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 and Intro to Vet\*\*

*0.5 Credit*

*Grades 9-12*

#### **Outdoor Skills (fall)**

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!

*0.5 Credit*

*Grades 9-12*

#### **Outdoor Skills (spring)**

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 with environmental service learning activities and scientific investigations. Be prepared to step out of your box and into the outdoors!

*0.5 Credit*  
*Grades 9-12*

### **Large Animal Science**

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. \*\***

*1 Credit*  
*Grades 9-12*

### **Greenhouse Management (spring)**

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.

*0.5 Credit*  
*Grades 9-12*

### **Advanced Greenhouse Management (fall)**

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.

*Prerequisite: Greenhouse Management*

*0.5 Credit*  
*Grades 10-12*

### **Wildlife Management**

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.

*0.5 Credit*  
*Grades 9-12*

### **Forestry**

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.

*0.5 Credit*  
*Grades 9-12*

### **Plant & Soil Science**

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.

*0.5 Credit*

*Grades 9-12*

### **Equines and Canine Care**

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.

*0.5 Credit*

*Grades 10-12*

### **Introduction to Veterinary Studies**

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.

*Prerequisites: Small Animal Care and Management or Large Animal Science*

*0.5 Credit*

*Grades 10-11*

### **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, earning potential, wise budgeting and spending, and life's financial decisions 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. (Will be taken opposite quarter of Computer Applications class.)

*0.25 Credit*

*Grade 10*

## **ART**

### **Drawing & Painting I**

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.

*0.5 Credit*

*Grades 9-12*



## **Drawing & Painting II**

*Prerequisite: Drawing & Painting I*

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 emphasis individuality.

*0.5 Credit*

*Grades 10-12*

## **Digital Photography**

This course will cover the use of the Digital DLR camera controls, including f/stops, shutter speeds, film speeds and the production of a correct exposure. Skills will include composition, criticism, lighting, and image editing software. Students will also learn the history and invention of photography. Assignments will include creative use of the camera controls including depth of field and action motion, shadows and light, alternative camera angles, portraits, still life's, and compositions based on the principles and elements of design. Students will receive basic instruction, demonstration, and see samples of the desired outcomes. Students will use time outside of class to shoot assignments, based on what they are learning. Students will post their photography work and writings on their blogsites. Students will need a digital SLR camera for this class. See instructor with questions.

*0.5 Credit*

*Grades 9-12*

## **Ceramics I**

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.

*0.5 Credit*

*Grades 9-12*

## **Ceramics II**

*Prerequisite: Ceramics I*

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.

*0.5 Credit*

*Grades 10-12*

## **Advanced Studio Arts**

*Prerequisite: Drawing & Painting I and Ceramics I*

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 three-dimensional areas. ASA builds upon the skills and knowledge learned in *Drawing & Painting I and Ceramics I*. 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.

0.5 Credit

*Grades 11-12*

## BUSINESS EDUCATION

### **Accounting**

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. Both computerized and manual accounting skills will be taught.

1 Credit

*Grades 10-12*

### **Intro to Marketing**

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.

0.5 Credit

*Grades 10-12*

### **Personal Finance**

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, checking and banking services, consumer credit, insurance, taxes, estate planning, and personal investing, as well as college and career exploration, consumer awareness, and giving. 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.

0.5 Credit

*Grades 11-12*

### **Computer Applications**

This is a **required course** that will be taken during the quarter opposite of the College/Career Readiness class. 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 various Google applications, including Docs, Slides, Sheets, Forms, and Calendar. The course will also cover current hardware and software trends.

0.25 Credit

*Grades 10-11*

### **Street Law**

Street Law will introduce students to law and the practical use of law concepts in everyday life. Did you know that every purchase, contract, crime, marriage, divorce and lease places citizens face-to-face with the law? This class will help students understand their legal rights and responsibilities, legal problems they may face, and provide them with the skills to analyze, evaluate, and in some cases, resolve legal disputes. The best feature of

this course is students will watch actual court cases and become familiar with courtroom procedures as they participate in mock trials.

*0.5 Credit  
Grades 9-12*

## DRIVER EDUCATION

### **Driver Education**

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 will receive at least 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 and 6 months). 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.

*Prerequisite: Must be at least 15.5 years old during the class.  
0.25 Credit; Grades 9-12*

## ENGLISH

### **English 9, 10, 11, 12**

English 9, 10, 11, and 12 are 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 themes include the following: Literary Elements and Genre (English 9); World Literature (English 10); American Literature (English 11); and European Literature (English 12).

*1 Credit  
Grades 9-12*

### **College Prep Senior English**

Academic Writing 12 is an alternative course to English 12. The curriculum has a college preparatory focus including a thorough introduction to college level vocabulary, reading, writing and research technique.

*1 Credit  
Grade 12*

### **AP Literature and Composition**

AP English Literature & Composition is a college level course, and students can, by good performance on the AP Exam in May, obtain up to one year of college credit and/or advanced placement in college English. The course requires of its students careful, deliberate reading of at least eight to ten novels studied in class, two novels read outside of class for summer reading, and an intensive study of poetry. All of the tests, approved by the College Board, address mature topics. Writing, as an integral part of the course, will require at least three 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.

*Prerequisite: Must have **B- or better** in all English classes on your transcript. 1 Credit, Grade 11*

### **English 101: College Writing and Critical Reading**

College Writing and Critical Reading is the first credit-bearing course in the UW Colleges writing program. A reading – intensive writing course that introduces students to strategies for college-level critical reading and academic writing. Students learn how to write a variety of different kinds of well-organized source-based essays, using assigned course texts and a limited number of independently located research sources. Assignments and course learning outcomes emphasize analysis, argumentation, synthesis, evaluation, and self-assessment. English 101 prepares students for more challenging independent work in **English 102: Critical Writing, Reading, and Research** (which fulfills the UW Colleges core writing requirement) and in other college courses that require critical reading and/or academic writing.

*Prerequisite: Student must have cumulative GPA of 3.5 or better AND pass the placement exam given by UW-Richland.  
.75 Credit (College Credit – 3.0)  
Grade 12*

### **English 102: Critical Reading, Writing, and Research**

A composition course focusing on researched academic writing that presents information, ideas, and arguments. Emphasis will be on the writing process, critical thinking, and critical reading.

*Prerequisite: Student must have successfully passed ENG 101.  
.75 Credit (College Credit – 3.0)  
Grade 12*

### **English Electives**

*(You still have to take one of the above English classes if you choose an Eng. elective.)*

#### **Shakespeare**

Who is this guy? Why are his works still popular over five hundred years after they were first performed? Students in this course will study Shakespeare's biography, England in his time, and experience some of his most influential plays from among his romances, histories, comedies and tragedies.

*0.5 Credit  
Grades 10-12*

#### **Lit and Film**

Read any good movies lately? Movies are this era's most popular form of storytelling. Students in this course will study movies as a form of literature, comparing written works to their cinema counterparts. The course will consider poetry, plays, short stories and novels that have provided the inspiration for many well-known movies.

*0.5 Credit  
Grades 10-12*

#### **Reading Enrichment**

Calling all reading enthusiasts. This course is for those who enjoy reading a variety of material and engaging in discussion with other readers. Reading material will be selected with participant input.

*0.5 Credit  
Grades 10-12*

## **Foreign Language**

#### **Spanish I**

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.

*1 Credit  
Grades 9-12*

#### **Spanish II**

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 subjunctive verb tenses. We will continue to study the cultures of the Spanish language through immersion into the language, and its people. Class is conducted entirely in Spanish.

*Prerequisite: Spanish I  
1 Credit  
Grades 10-12*

#### **Spanish III**

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

*Prerequisite: Spanish II*  
*1 Credit; Grades 11-12*

### **Spanish IV**

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

*Prerequisite: Spanish III*  
*1 Credit*  
*Grades 12-12*

## **Health**

### **Health**

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.

*0.5 Credit; Grade 9*

## **Mathematics**

### **Basic Algebra A**

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.

*1 Credit*  
*Grade 9*

### **Basic Algebra B**

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).

*Prerequisite: passed Algebra A*  
*1 Credit*  
*Grade 10*

### **Algebra I**

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.

*1 Credit*  
*Grades 9-10*

### **Geometry**

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.

*Prerequisite: Algebra B or Algebra I*  
*1 Credit*  
*Grades 9-11*

## **Advanced Algebra**

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.

*Prerequisite: Algebra I or Geometry*

*1 Credit*

*Grades 10-12*

## **Computer Math**

Students in this class will be introduced to computer programming. This class teaches problem solving skills using computer programming in the language “C++”. Programming on TI-83 graphing calculators is also covered. No previous computer knowledge is required for this course; however higher level math skills will be utilized. Creativity and individuality are encouraged. Logical reasoning and strategic planning are emphasized when solving problems.

*Prerequisite: completed or currently enrolled in advanced algebra.*

*0.5 Credit*

*Grades 10-12*

## **Statistics & Probability**

This is an introductory course exploring statistics in the workplace, media, and everyday life. Topics covered include measuring, organizing, and analyzing data, standard deviation, variance, correlation, and conditional probability.

*Prerequisite: completed or currently enrolled in advanced algebra.*

*0.5 Credit*

*Grades 10-12*

## **Pre-Calculus**

This class covers theory, skills, and applications of the basic trig functions and their inverses. Topics include solving triangles, trigonometric identities, vectors, complex numbers, and uniform circular motion. Non-trig topics include coordinate geometry, domain and range, operations and function, and graphs of functions.

*Prerequisite: Advanced Algebra and Geometry*

*1.0 Credit*

*Grades 11-12*

## **Calculus**

This course answers the question, “What is calculus and what can I do with it?” It is a basic introductory course, which includes the following topics: limits of functions, continuity of functions, differentiation, integration, and applications.

*Prerequisite: Pre-Calculus*

*1.0 Credit*

*Grades 11-12*

# **Performing Arts**

## **Band**

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. 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.

*1 Credit*

*Grades 9-12*

## **Choir**

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.

*1 Credit, Grades 9-12*

### **Beginning Piano**

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.**

*0.5 Credit*

*Grades 9-12*

### **Music Theory I (fall semester)**

This course is designed for students who wish to pursue music after high school by continuing to perform or study music in college. Theory I will cover music fundamentals; notation, scales, tonality, key, modes, intervals, transportation, and chords.

*Prerequisite: Enrolled in band or choir.*

*0.5 Credit*

*Grade 11-12*

### **Music Theory II (spring semester)**

This course is designated for students who wish to pursue music after high school by continuing to perform or study music in college. Theory II will cover the structural elements of music; cadences, nonharmonic tones, melodic organization, texture, voice learning, harmonic progression, chord function, modulation, binary form, and ternary form.

*Prerequisite: Enrolled in band or choir and completed Theory I.*

*0.5 Credit*

*Grade 11-12*

## **Physical Education**

### **Team and Individual Sports (fall only)**

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.

*0.5 Credit*

*Grades 9-12*

### **Adventure Education (spring only)**

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 relaying.

*0.5 Credit*

*Grades 9-12*

### **Fitness Training**

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.

*0.5 Credit; Grades 9-12*

# Natural Sciences

## **Biology**

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.

*1 Credit*

*Grade 9*

## **Applied Science**

Applied Science is designed to provide students with a basic knowledge of Chemistry. Topics include converting of units, scientific notation, the structure and properties of matter, the structure of atoms, identifying chemical reactions, balancing chemical equations and identifying acids and bases. If time permits, students will be introduced to other topics in science, which may include the environment, rock formation, uniform motion and acceleration, forces and work, and the interaction energy and matter. At the completion of this course, students will have a basic understanding of Chemistry and its principles.

*1 Credit*

*Grades 10*

## **Chemistry**

This course deals with the study of the basic composition of matter and the changes it can undergo; physical, chemical and nuclear. Topics covered include the structure and activity of the atom, chemical composition and equations, gas laws and solutions. Students will develop a basic understanding of atomic structure, bonding and the functions of the periodic table. Students will explore various applications related to chemistry including: naming compounds, balancing equations, the phases of matter, and the properties of solutions. At the completion of this course, students will have developed a foundation and understanding of Chemistry that enables them to feel confident when continuing with further studies of science. This course is recommended for students who plan to continue their education at a post- secondary institution.

*Prerequisite: Physical Science, Algebra or Algebra B*

*1 Credit*

*Grade 11-12*

## **Advanced Biology**

This college-prep course will present to the student a wide variety of specific subjects that constitute biology. In this class, extensive areas of study will include Botany, Genetics, Mitosis and Meiosis, DNA, Protein Synthesis, Cell Physiology, and Human Anatomy and Physiology. Several nature hikes will be taken to observe and assist in making collections. A variety of lab investigations will be used throughout the course to increase awareness and understanding of subject material. An in depth lab session consists of the fetal pig to illustrate the similarities to other mammals, especially humans.

*Prerequisite: Must have passed Biology with C+ or better.*

*1 Credit*

*Grades 11-12*

## **Advanced Chemistry**

This course continues with the study of matter and its composition. Topics covered include the properties of solutions, such as concentrations and preparations. Connections to organic chemistry, biochemistry, physical



chemistry will also be covered. There will be several opportunities to apply what was learned in the classroom to what is encountered outside the classroom using a practical approach. Analytical procedures will be applied throughout the year and will coordinate with laboratory procedures, including testing the properties of solutions and identification of unknowns.

This course is designed to better prepare the student with further studies of science in college and/or technical schools. It is recommended that the student has successfully completed Algebra II and/or Geometry.

*Prerequisite: Must have passed Chemistry and Adv. Algebra or Geometry with a C+ or better.*

*1 Credit*

*Grades 11-12*

### **Environmental Earth Science**

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 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 Credit*

*Grades 11-12*

### **Physics**

The physics course is an upper-level, non-calculus based class that satisfies a science credit for graduation. The curriculum includes interactions of matter and energy, velocity, accelerations, force, energy, momentum and charge.

*1 Credit*

*Grades 11-12*

### **Anatomy & Physiology**

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 science based careers. Students will study the structure and function of the various cells, tissues, and integrated systems of the body.

*1 Credit*

*Grades 11-12*

### **STEM**

This is a project-based class incorporating disciplines of Science, Technology, Engineering and Math. Projects include: Creating vehicles to explore Newton's Laws of Motion. Robotics and Coding; Principles of Flight and building a Styrofoam glider; and other smaller projects or activities.

*1 Credit*

*Grades 10-12*

## **Social Studies**

### **World History**

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.

*1 Credit*

*Grade 9*

## **United States History**

This is a survey course of the history of the United States from independence to the present time. It is organized by topics with each topic traced to the present time, when it is feasible to do so. The topics covered in this course are: formation of the United States government, political development of the United States, foreign policy up to the Civil War, sectionalism, factors leading up to the Civil War, reconstruction, civil rights movement, economic development of the United States and foreign policy from 1860 to the present. A major objective of this course is to relate the past to the present.

*1 Credit*

*Grade 10*

## **Leadership**

This elective class will focus on the principles of leadership. We will read many different books, listen to various speakers and do activities to strengthen leadership skills and qualities. We will end with a service project to demonstrate what we have learned.

*0.5 Credit*

*Grades 11-12*

## **Government**

This is a one semester course which covers the structure and function of the federal government, the role of citizens in that government system and problems within the system. It focuses on the three branches of government: Executive, Legislative and Judicial and how day-to-day events affect the operation of our government.

*0.5 Credit*

*Grades 11-12*

## **Current Events**

This class will use daily newspapers to gain a better understanding of the events occurring domestically & worldwide. We will look at problems critically & discuss possible solutions for solving them.

*0.5 Credit*

*Grades 10-12*

## **Geography**

This is a one semester elective course that will cover the different history and culture of people in all areas of the world. We will learn about the political and economic conditions in each of the world's regions and connect them to the world today.

*0.5 Credit*

*Grades 11-12*

## **Psychology**

Psychology is an **advanced** course that briefly introduces students to the many specific 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.

*0.5 Credit*

*Grades 11-12*

## **Sociology**

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. Then, during the second half of the semester students will begin looking at the various social problems that affect our society. Topics will include: AIDS, domestic abuse,

alcoholism, teen violence, gangs, marriage and family, and the penal system.

*0.5 Credit*

*Grades 11-12*

### **Ethnic Studies**

The emphasis of this course will be the study of different ethnic groups throughout the course of history. We will be dealing with groups from early historical times to the Native Americans of the United States. The first quarter will focus on groups of the Far East and Europe. The second quarter will deal with the Native American population of the United States.

*0.5 Credit*

*Grades 11-12*

### **Human Geography**

This course will introduce students to the systematic studies of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students will examine human socioeconomic organizations and its environmental consequences. Topics will include: problems of economic development and cultural change; consequences of population growth, changing fertility rates, and international migration; impacts of technological innovation on transportation, communication, industrialization, and other aspects of human life; struggles over political power and control of territory; conflicts over the demands of ethnic minorities, the role of women in society, and the inequalities between developed and developing economies; explanations of why location matters to agricultural land use, industrial development, and urban problems; and lastly the role of climate change and environmental abuses in shaping the landscapes on Earth.

*0.5 Credit*

*Grades 11-12*

### **AP United States History**

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 as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

*1 Credit*

*Grades 11-12*

### **AP European History**

This is an introductory college-level European history course. Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.

*1 Credit*

*Grades 11-12*

## **Technical Education**

### **CADD**

The purpose of this course is to introduce the student to a computer aided drafting and design program called Revit. This course covers 2-dimensional, 3-dimensional, and architectural drawing. Students will create a required set of residential house plans sheets. Interior and exterior design will be emphasized in the class. A flash drive is required.

*0.5 Credit*

*Grades 9-12*

### **Woods Fundamentals**

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.

*0.5 Credit*

*Grades 9-12*

### **Metal Fabrication**

Students taking this course will learn and demonstrate SMAW, GMAW, GTAW, oxy-fuel and other production processes. Lab safety and clean-up will be emphasized.

*1 Credit*

*Grades 9-12*

### **Carpentry/Construction**

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. Construction of a full scale house is used to provide students with hands-on experience. 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

*0.5 Credit*

*Grades 10-12*

### **Advanced Woods**

This is a year course consisting of advanced cabinet craft woodworking; including the construction of major projects. The Students will expand on the knowledge gained in Woods fundamentals and learn more handcrafting skills. Material costs could range from \$50.00—\$200.00 depending on the project.

*Prerequisite: Woods Fundamentals*

*1 Credit*

*Grades 10-12*

### **Small Gas Engines**

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.

*0.5 Credit*

*Grade 9-12*

### **Car Care**

The semester course is designed to give students a complete understanding of the automobile. The course is designed for students to acquire a 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.

*Prerequisite: Small Gas Engines*

*0.5 Credit*

*Grade 9-12*

### **Advanced Welding and Fabrication**

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.

*Prerequisite: Introduction to Metal Machining and Welding*

*1 Credit*

*Grades 10-12*

## **School to Careers**

### **Teacher Aide**

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 monthly evaluations. Students have an opportunity of receiving 1/2 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.

*Prerequisite: Cumulative GPA of 3.0 or higher*

*0.5 Credit*

*Grades 10-12*

### **Work Release**

A paid work experience at a legally established business as seen by the government. Students may work up to 3 class periods per day. This option would be used as a last resort when students have taken all the required coursework, appropriate electives and could benefit from a world of work experience. Students will be evaluated bi-monthly by employers. Students will need to bring in a copy of their paycheck stub every time they are paid.

*0.5 Credit*

*Grade 12*

## **Distance Learning Lab (NWECS)**

\*\*\*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 class.

*Each class has prerequisites and course descriptions. Please ask Mrs. Jilek for the course description booklet for all the ITV (NWECS) classes.*

### **Early College Credit Program – UW System**

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 distance learning network mentioned above.

Website for UW Online: <https://online.uwc.edu/>

Website for UW IL: <https://il.wisconsin.edu/>

### **Start College Now – Technical System**

Students interested in earning college credit while in high school are encouraged to check out college classes from Wisconsin Technical Colleges.