

# TABLE OF CONTENTS

<i>Title</i>	<i>Grade</i>	<i>Credits</i>	<i>Page</i>
Mission Statement			1
Equal Education Opportunity			1
Graduation Requirements			2
School Counselor Information			3
Schedule Changes			5
Provisions for Individual Differences			6
Pathway Opportunities			7
Required Courses			9

## **AGRICULTURE**

Ag 9	9	1	10
Horticulture	10-12	.5	10
Greenhouse Management	10-12	.5	10
Conservation & Wildlife Management	10-12	.5	10
Agronomy	10-11	.5	11
Livestock Industry & Management	10-11	.5	11
Animal Health and Systems	11-12	.5	11
Ag Business Management	11-12	.5	11
Food Science	11-12	.5	12
Welding	11-12	.5	12
Ag Power & Small Gas Engines	11-12	.5	12

## **ART**

Art Exploration	9-12	.5	13
General Painting	9-12	.5	13
Two-Dimensional Art	9-12	.5	13
Three-Dimensional Art	9-12	.5	14
Independent Art	11-12	.5	14
Art Exploration 2	11-12	.5	14

## **BUSINESS EDUCATION**

Introduction to Business (TC)	9-11	.5	15
Marketing	9-12	.5	15
Computer Applications (TC)	9-12	.5	15
Advanced Computer Applications(TC)	9-12	.5	16
Yearbook Class I & II	11-12	1	16
Accounting I (TC)	10-12	1	16
Accounting II	11-12	1	17

Advanced Accounting	12	1	17
Personal Finance (TC)	12	.5	17

<i>Title</i>	<i>Grade</i>	<i>Credit</i>	<i>Page</i>
--------------	--------------	---------------	-------------

### **ENGLISH**

English 9	9	1	18
English 10	10	1	18
English Essentials	11-12	.5	18
Advanced Composition I	11-12	.5	19
American Literature	11-12	.5	19
Modern Literature	11-12	.5	19
Senior Composition	12	.5	19
Senior Literature	12	.5	20
Oral/Interpersonal Communication (TC)	12	.5	20
Written Communication (TC)	12	.5	20
AP English Literature and Comp	12	1	20
AP English Language and Comp	11-12	1	21

### **FOREIGN LANGUAGE**

Spanish 1	9-12	1	22
Spanish 2	10-12	1	22
Spanish 3	11-12	1	22
Spanish 4	12	1	22

### **HEALTH**

Health	10	.5	23
--------	----	----	----

### **MATHEMATICS**

Algebra A	9-12	1	24
Algebra I	9-12	1	24
Algebra B	10-12	1	24
Geometry	10-12	1	25
Applied Math	11-12	1	25
Algebra II	11-12	1	25
Pre-Calculus	12	1	26

<i>Title</i>	<i>Grade</i>	<i>Credits</i>	<i>Page</i>
<b><u>MUSIC</u></b>			
Instrumental Music	9-12	.5	27
Choir	9-12	.5	27
<b><u>PHYSICAL EDUCATION</u></b>			
Basic Physical Education	9-12	.5	28
Personal Fitness	10-12	.5	28
Advanced Fitness	11-12	.5	28
<b><u>SCIENCE</u></b>			
Integrated Science	9	1	29
Biology	10-12	1	29
Human Anatomy & Physiology	11-12	1	29
Chemistry	11-12	1	29
Science 11/12	10-12	1	30
Physics	12	1	30
AP Biology	12	1	30
<b><u>SOCIAL STUDIES</u></b>			
Civics	9	.5	31
World Geography	9	.5	31
World History	10	1	31
United States History	11	1	32
Social Issues/Current Events	12	.5	32
AP US History	12	1	33

<i>Title</i>	<i>Grade</i>	<i>Credit</i>	<i>Page</i>
<b><u>TECHNOLOGY</u></b>			
Woodworking	9-12	.5	34
Advanced Woodworking	10-12	.5	34
Cabinet Making I	11-12	.5	34
Cabinet Making II	11-12	.5	34
Residential Construction	10-12	.5	35
Manufacturing	10-12	.5	35
CAD I (Computer Aided Design)	9-12	.5	35
Digital Photography	9-12	.5	35
Basics of CNC	10-12	.5	36
Video Production	10-12	.5	36
Adaptive Woods	9-12	.5	36
<b><u>SCHOOL TO WORK PROGRAM</u></b>			
School to Work Program	12	.5/1	37
Youth Apprenticeship	11-12	.5/2	37

# River Ridge School District

## Mission Statement

River Ridge School District will strive to provide a safe, challenging environment for each individual student by promoting excellent staff development, encouraging meaningful parent involvement, and earning strong community support through honesty, integrity, and open communication.

## Non-Discrimination - Equal Educational Opportunity

The Board does not discriminate on the basis of race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex, (including transgender status, change of sex or gender identity), or physical, mental, emotional, or learning disability ("Protected Classes") in any of its student program and activities. This policy is intended to support and promote nondiscriminatory practices in all District and school activities, particularly in the following areas: A. use of objective bases for admission to any school, class, program, or activity; B. prohibition of harassment towards students and procedures for the investigation of claims (see Policy 5517); C. use of disciplinary authority, including suspension and expulsion authority; D. administration of gifts, bequests, scholarships and other aids, benefits, or services to students from private agencies, organizations, or persons; E. selection of instructional and library media materials in a nondiscriminatory manner and that reflect the cultural diversity and pluralistic nature of American society; F. design and implementation of student evaluation practices, materials, and tools, but not at the exclusion of implementing techniques to meet students' individual needs; G. design and configuration of facilities; H. opportunity for participation in extra-curricular and co-curricular activities, provided that separate programs for male and female students may be available provided comparable activities are made available to all in terms of type, scope, and District support I. Career and Technical Education (see policy 2421); and J. the school lunch program and other school-sponsored food service programs. See school district policy #2260 & 8500 for more information. Title IX - The Board prohibits sexual harassment that occurs within its education programs and activities. When the District has actual knowledge of sexual harassment in its education program or activity against a person in the United States, it shall promptly respond in a manner that is not deliberately indifferent. See school district policy #2266 for more information. Section 504/ADA Any person who believes that the River Ridge School District or any staff person has discriminated against them in violation of the District's Section 504/ADA Policy #2260.01 may file a complaint. Reporting Procedures - Students, parents and all other members of the School District community are encouraged to promptly report suspected violations of this policy to a teacher or administrator. Any teacher or administrator who receives such a complaint shall file it with the District's Compliance Officer at his/her first opportunity. Students who believe they have been denied equal access to District educational opportunities, in a manner inconsistent with these policies, may initiate a complaint and the investigation process that is set forth below. Initiating a complaint will not adversely affect the complaining individual's participation in educational or extracurricular programs unless the complaining individual makes the complaint maliciously or with knowledge that it is false.

District Compliance Officers The Board designates the following individuals to serve as the District's "Compliance Officers" (hereinafter referred to as the "COs"). Amy Jones- Student Services Coordinator 608-994-2715 ext. #302 11165 County Highway P Patch Grove, WI 53817 [jonesam@rrsd.k12.wi.us](mailto:jonesam@rrsd.k12.wi.us) Bill Hannah – Elementary Principal 608-994-2715 ext. #102 11165 County Highway P Patch Grove, WI 53817 [hannahbi@rrsd.k12.wi.us](mailto:hannahbi@rrsd.k12.wi.us)

A CO will be available during regular school/work hours to discuss concerns related to student discrimination in educational opportunities under this policy.

# River Ridge High School Graduation Requirements

English	4 Credits
Social Studies	3.5 Credits
Math	3 Credits
Science	3 Credits
Physical Education	1.5 Credits
Health	.5 Credits

\*\*Students must pass the U.S. citizenship test to graduate.

## Suggested Minimum Class Size

The recommended minimum class size for an elective course is 7. The minimum class size for required course is 1. The administration will determine the final class size based on staff availability.

## State Requirement

A student must be enrolled in class or participate in an activity approved by the school board each period of each school day.

## Most Colleges Require a Minimum of Three Years of Math and Science

A minimum of 24 academic credits is required for a high school diploma from River Ridge High School. Each student must carry at least six and one-half (6.5) credits a year. (Note: Students involved in school-to-work, identified CWD, and / or enrolled in SRTNC course (s) may be allowed to carry fewer credits if approved by the administration.)

Additional high school credit courses are available through SRTNC and on-line. Students who are interested in enrolling in courses outside of River Ridge Schools should see the school counselor for information.

# School Counselor Information

The River Ridge school counseling program systematically addresses the academic, personal/social, and career development needs that all pupils have at various developmental stages of their lives. This program is designed to assist students in understanding themselves, understanding others, understanding the school and its expectations, and exploring the world of work.

This course offering handbook has been written to assist you in planning your educational program for the next school year. Study the entire booklet before making your final decision on what courses you would like to take. It is your responsibility to select the courses that best meet your needs based on your ACP (Academic & Career Plan). School counselors, teachers and parents will help you with your selections.

## Choosing Courses

**Before making your decisions, you will want to consider the following:**

1. What are the River Ridge High School graduation requirements? Are you meeting these in your planning?
2. When selecting a course, check the course description. Does it meet your needs based on your future plans?

\*The array of courses offered in the River Ridge High School curriculum is designed to prepare students with differing interests and abilities for a wide variety of life-after-high-school options. "College prep" courses are particularly appropriate for providing the academic background needed to succeed at a college or university. College prep classes are characterized by the academic challenge they present, requiring time and intellectual effort extending beyond the classroom. This is especially true for Advanced Placement courses.

\*There are other courses identified as English, social studies, mathematics, or science, that although they meet River Ridge's graduation requirements, do not meet credit requirements for admission to a University of Wisconsin System school. The same could be true of many other colleges and universities as well as technical colleges. Remedial or basic courses, for example, do not offer the same kind of subject matter or same level of academic rigor demanded by college prep courses.

3. Before selecting a course, check the prerequisites. Do you have the proper prerequisites to enter that course?

\*You must have teacher approval for some courses. If needed, get this as soon as possible.

4. Are you aware of the entrance requirements for 2-year colleges, technical colleges and 4-year colleges or universities? See the school counselor for assistance.
5. Plan ahead - not just for next year, but for your entire high school career and future educational plans. Be aware that most 4-year colleges and universities require 17 "**academic**" credits.
6. Students should register for a minimum of 6.5 credits but no more than 8 credits.

### **Student Responsibility in Course Selection:**

Students should take advantage of the many resources available to them. School counselors, teachers, parents, and others are here to assist you. Do a thorough job so that your schedule meets all your needs and bridges with your future.

High school is the time when students can discover their talents and interests and develop important social skills in becoming responsible citizens. It is important to strive for the very highest level of scholastic and personal development possible. You should not be afraid to try difficult challenging courses - these may be the very ones that allow your potential to be reached.

Ultimately, students will want to select those courses in which they are most interested, and for those they are most qualified. One of the most beneficial roles of the counselor is assisting students and parents with these decisions.

### **Parent Responsibility in Course Selection:**

The importance of parental support, involvement, and approval of a student's course selections cannot be overemphasized. When the course selection sheet is signed, it indicates to us that the choices have been read over and discussed with your son or daughter. With parents' special understanding of their child's particular strengths, you are in an excellent position to help make reasonable, worthwhile, and attainable decisions.

The primary goal of the school counselor department is to help each student obtain the best possible education from his or her four years in high school. Please feel free to contact the counselor's office for further assistance. **Caron Townsend, School Counselor 994-2715, Ext.**

**111**

# Schedule Changes

Selecting a course does not guarantee that you will be scheduled into that course. Every effort will be made to honor a student's request, but it is impossible to make a 100% perfect schedule. When conflicts occur, the counselor or principal will help the student make alternate choices.

Once the courses for the next school year have been selected, there will be limited opportunities to make schedule changes.

## **Adding a Course**

A student may add a course within the first three school days of the semester only if there is room in the class, and if the current schedule does not have to be significantly altered.

## **Dropping a Course**

A student may drop a course within the first three school days of the semester as long as the student continues to carry the minimum number of courses (6.5). To attempt a drop after three school days the student must meet with the counselor, and principal. In some cases, students may not be permitted to drop a course if it was offered based on low enrollment or special fees paid.

Students who sign up for full year courses (example: Biology) are expected to complete both semesters. The only exceptions are when the student is repeating one semester due to failure, the student is misplaced, or if the teacher, principal, and school counselor determine that the student is to complete only one semester.

## **Auditing a Course**

Students may be allowed to take a course for no grade or credit. Arrangements must be made with the teacher and counselor no later than 10 school days after the start of the semester. The course will not be calculated into the student's GPA.

## **Incompletes**

When the teacher, student, and principal agree that more time can be taken to complete all work, a grade of "I" will be recorded, carrying no credit. The "I" will revert to a reduced grade if the work is not completed by the agreed upon date.

## **Repeating Courses**

Students may wish to improve their understanding of a course they have already taken. In doing so, the student may have the previous grade replaced with the better grade earned after repeating the course if the previous grade was a "D" or less. The student will not, however, receive additional credit for a repeated course when a grade has been replaced. The GPA will be recalculated in the higher grade; however, both grades will appear on the transcript. All repeat requests must be approved by the school counselor and the principal.

## Provisions for Individual Differences

River Ridge High School attempts to meet the individual needs of students by providing the following programs:

- 1) Regular Programs: The majority of the students will be placed in regular classes, which offer a sound, general education for either entrance into college, technical school or into the world of work.
- 2) Children with a Disability (CWD): These programs are available to students who have a definable handicapping condition, as defined by state law, and have a need for special education. The least restrictive environment is utilized in student placement, allowing for regular class mainstreaming as much as possible. Currently, our CWD programs include Learning Disabled, Cognitive Disabled- Borderline, Speech Therapy, and Emotional and Behavioral Disabilities.
- 3) Section 504 Plans: For students who have a physical or mental impairment which substantially limits one or more major life activity (walking, seeing, hearing, breathing, learning, working, caring for oneself, and performing manual tasks), a record of such impairment, or regarded as having such an impairment, River Ridge Schools will provide reasonable accommodations in order to ensure those students with a free and appropriate education.

\*\*\* If you feel you would qualify for or need Child with a Disability programming or a Section 504 plan, contact a School Counselor or School Psychologist.

# Pathway Opportunities

River Ridge High School offers opportunities for students to develop awareness of and skills for future careers. As students plan their high school program and participate in core and elective courses, they will begin to develop ideas of their interests, abilities and values related to their future plans. During the junior and senior years, students will continue their academic and career pursuits by taking more advanced courses or courses offered outside of our school system. There are increasing options for students at River Ridge High School and they are listed below.

## **Advanced Placement (AP) Courses**

The Advanced Placement Program allows juniors and seniors to pursue college-level study before they graduate from high school. Students can receive credit, advanced placement, or both in college. The AP exams are given in May. Each college and university have their own policies regarding minimum scores and credit awarded. *AP Language, AP History, AP Biology and AP English Literature* are offered for juniors and seniors at River Ridge High School. Several more are offered through the internet.

## **Transcripted Credit at Wisconsin Technical Colleges**

Students may enroll in courses taught at River Ridge High School that are the same as courses taught at a Wisconsin Technical College. If students earn a B or better, they can receive both high school and technical college credit. This will allow them to enroll in the next higher course at any Wisconsin Technical College. The current transcripted courses include: *Computer Applications, Advanced Computer Applications, Accounting 1, Personal Finance, Intro to Business, Oral/Interpersonal Communications, and Written Communications.*

## **Youth Apprenticeship Program**

Youth Apprenticeship is a one- or two-year program for high school students beginning in the eleventh or twelfth grade, offering students guided learning and work experience within an industry. During participation in the youth apprenticeship program, students will acquire the skills necessary for the jobs of tomorrow and a linkage between secondary and post-secondary education. The apprentices will attend regular classes in their high school, in addition to taking career-related classes at Southwest Tech or another central site. Students need a total of 900 worksite hours for completion of the two-year program or 450 for a one-year program. Youth Apprenticeship programs include: *Agriculture, Auto Technician, Business & Finance, Construction, Culver's Culture Academy, Health Services, Hospitality and more.* There are prerequisites and application deadlines for this program - see the School Counselor for details.

### **Part-time Open Enrollment Program**

Allows high school students to take up to two classes at one time at another school district. Technical colleges and universities are not included in this state statute. Please contact Miss Townsend for registration forms.

### **Start College Now**

Allows juniors and seniors to enroll in two-year technical college courses. There are prerequisites and application deadlines of March 1 for fall and October 1 for spring semesters. Students are not allowed to enroll in a course comparable to one offered at the school district. Please contact Miss Townsend for registration forms.

### **Early College Credit Program (ECCP)**

Allows 11<sup>th</sup> – 12<sup>th</sup> grade students to enroll in courses at a four-year university (UW system, private, and tribal colleges). There are prerequisites and application deadlines of March 1 for fall and October 1 for spring semesters. Please contact Miss Townsend for registration forms.

### **Job Shadowing**

Job shadowing is not a course but a work site experience during which a student spends time one on one with an employee observing daily activities and asking questions about the job and industry. When appropriate, students do hands-on tasks at the work site. Students must have parental permission and scheduling of a job shadow may be done through the school counselor office. Students must provide their own transportation to and from the work site.

### **Athletic Eligibility in College**

In order to be eligible for practice, participation in regular season competition, and athletically related financial aid as a college freshman, a student entering a Division I or II NCAA institution must meet certain academic criteria and complete appropriate forms. See the guidance counselor for help.

# Required Courses

*All grade levels should carry a minimum of 6.5 credits.*

## Grade 9

Required: (4.5 credits)	English 9	1 credit
	Integrated Science	1 credit
	Algebra A or Algebra I	1 credit
	Physical Education	½ credit
	Civics	½ credit
	Geography	½ credit

## Grade 10

Required: (5 credits)	English 10	1 credit
	Biology	1 credit
	World History	1 credit
	Physical Education	½ credit
	Health	½ credit
	Math - 2 <sup>nd</sup> year	1 credit

## Grade 11

Required: (4 credits)	English (two semesters)	1 credit
	US History	1 credit
	Math – 3 <sup>rd</sup> year	1 credit
	Science- 3 <sup>rd</sup> year	1 credit
	(Phy Ed - 3 <sup>rd</sup> semester if selected)	(½ credit)

## Grade 12

Required: (1-½ credits)	English (two semesters)	1 credit
	Social Science	½ credit
	(Math – 4 <sup>th</sup> year if selected)	(1 credit)
	(Science – 4 <sup>th</sup> year if selected)	(1 credit)
	(Phy Ed – 4 <sup>th</sup> semester if selected)	(½ credit)

# AGRICULTURE

Vocational – Elective

## **AG 9 – INTRODUCTION TO AG AND FFA – Course #1**

**Grade Level: 9**

**Prerequisite: None**

**Length of Course: 1 year**

**1 credit**

This course is designed to introduce students to a variety of industries and career opportunities within agriculture. Students will also investigate opportunities in FFA and develop a Supervised Agricultural Experience (SAE). This class lays the foundation for students to be educated young citizens in the agriculture community.

**Note: Ag 9 is a prerequisite for all Agricultural Education Courses.**

## **HORTICULTURE (FALL) – Course #4**

**Grade Level: 10-12**

**Prerequisite: Ag 9 or teacher approval**

**Length of Course: 1 semester**

**.5 credit**

Students will be able to describe various elements of plant physiology and propagation. In addition, this course demonstrates basic fruit and vegetable production. Students will be working hands on with the school apple trees and grapevines, and hydroponics in the greenhouse.

## **GREENHOUSE MANAGEMENT (SPRING) – Course #6**

**Grade Level: 10-12**

**Prerequisite: Ag 9 or teacher approval**

**Length of Course: 1 semester**

**.5 credit**

Students will apply concepts of plant physiology and propagation to manage annual bedding plants and vegetables in the school greenhouse. Students will be able to describe various types of greenhouses, technology in horticulture, and Integrated Pest Management. This class will also include investigation of floriculture crops grown throughout the United States. Students will collaborate to manage the Spring FFA Plant Sale. Horticulture is recommended, but not required.

## **CONSERVATION AND WILDLIFE MANAGEMENT – Course #7**

**Grade Level: 10-12**

**Prerequisite: Ag 9 or teacher approval**

**Length of Course: 1 semester**

**.5 credit**

This course will cover a wide variety of content related to conservation and the management of wildlife in Wisconsin. Students will be able to describe wildlife habitats and conservation methods used to create a sustainable ecosystem. In addition, students will be able to identify various wildlife species and demonstrate knowledge of hunting, fishing, and trapping regulations in Wisconsin. Students will gain a working knowledge of government agencies and organizations involved with conservation and wildlife management.

### **AGRONOMY (SPRING) – Course #3**

**Grade Level: 10-11**

**Length of Course: 1 semester**

**Prerequisite: Ag 9 or teacher approval  
.5 credit**

This course examines crop and soil science. Students will be able to identify various crops and their uses in agriculture. In addition, students will investigate soil science and land management. Student enrolled in this course will be an integral part of planning the school test plot.

### **LIVESTOCK INDUSTRY AND MANAGEMENT – Course #2**

**Grade Level: 10-11**

**Length of Course: 1 semester**

**Prerequisite: Ag 9 or teacher approval  
.5 credit**

This course focuses on the evaluation and management of beef cattle, swine, sheep, dairy cattle, chickens, and horses. Students will be able to describe the breeds, proper handling, and facilities for each species. In addition, students will demonstrate livestock evaluation knowledge by frequently placing and providing reasons for practice classes.

### **ANIMAL HEALTH AND SYSTEMS – Course #5**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: Ag 9 or teacher approval  
.5 credit**

This course focuses on animal health and systems in common livestock species. Students will analyze the digestive and reproductive systems. Students will be able to identify general animal health and nutritional needs. Students will also be introduced to elements of feeds and feeding, EPDs, and the USDA meat grading system.

### **AG BUSINESS MANAGEMENT – Course #8**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: Ag 9 or teacher approval  
.5 credit**

This course covers all aspects of business management as it relates to Agriculture. Students will learn about the types of business, supply and demand, sale activity, ownership, and budgeting. A unit will be covered on resume writing and interviews. As a final project, students will be involved in a project simulation where they will be running and organizing a business.

## **FOOD SCIENCE – COURSE #33**

**Grade Level: Grade 11-12**

**Length of Course: 1 semester**

**Prerequisite: Ag 9 or teacher approval**

**.5 credit**

Ice Cream, Salsa, Jams/Jellies... Now that we have your attention, join us as we explore your favorite foods and the science that goes into making them. Learn about the unique ways foods are processed, prepared, preserved, and packaged. This class will make a variety of edible treats.

## **WELDING – Course #17**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 credit**

This course focuses on welding and metal manufacturing. Students will be able to demonstrate shop safety and basic welding and metalworking skills. Students will investigate careers paths in the metal manufacturing industry.

## **AG POWER & SMALL GAS ENGINES – Course #32**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 credit**

This course focuses on the principles of two-stroke and four-stroke small gas engines. Students will be able to demonstrate shop safety and teardown and assembly of small gas engines. Students will investigate career paths in the agricultural mechanics industry.

# ART

Elective

## Ten Great Reasons to Take an Art Class

1. Art teaches self-esteem.
2. Art aids the development of physical coordination.
3. Art stimulates connections between rational and abstract thinking.
4. Art teaches problem-solving and provides safe decision-making opportunities.
5. Art develops good work habits and responsibility.
6. Art provides a means of non-verbal communication and expression.
7. Art promotes self-awareness and understanding.
8. Art heightens aesthetic awareness and sensitivity.
9. Art teaches respect for individuality.
10. Creating art generates joy.

## **ART EXPLORATION – Course #18**

**Grade Level: 9-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

This class is an introduction to the wide range of styles, materials, and techniques in art. The students will experiment with many different art media and create a wide variety of art projects. Students will study the works of famous artists and major art movements, which will allow them to gain a better understanding of art through the ages.

## **GENERAL PAINTING – Course # 9**

**Grade Level: 9-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

This is an in-depth approach to color theory and application. Students will experiment with the color wheel and paint mixing. Medium used will be tempera, watercolor, acrylic and oil paints. Basic painting concepts and techniques will be taught. A variety of paintings produced include realism landscapes, still life and animals as well as abstract designs.

## **TWO-DIMENSIONAL ART – Course #13**

**Grade Level: 9-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

In this class basic drawing techniques are demonstrated. A variety of media will be used to create drawings, designs, collages, montages, and prints. Printmaking will be done with linoleum and

woodblocks. Art fundamentals are established through the examination of design media and specific skills. Assignments will emphasize the elements of design, craftsmanship, and problem solving.

### **THREE-DIMENSIONAL ART – Course #10**

**Grade Level: 9-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

This class will emphasize sculpture projects and ceramics. Art techniques taught will be modeling, carving and assemblage. Students will have the opportunity to express themselves by completing a variety of unique and challenging projects.

### **INDEPENDENT ART – Course #12**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: 1 Credit of Art**

**Administrative & teacher approval**

**.5 Credit**

This is a semester course for the serious art student, which is designed to expand the student's knowledge, abilities, and creative judgment in art. Individual works as well as school and community projects will be created. Students will look at careers in the art field and visit local artists. This may be taken during any scheduled art class individually.

### **ART EXPLORATION 2 – Course #20**

**Grade Level : 11-12**

**Length of Course: 1 semester**

**Prerequisite: 1 Credit of Art**

This is a semester course for advanced art students. This course is designed to go beyond the basics of art to push the artists' skill set further. This course will include a variety of mediums include: painting, ceramics, sculpture, drawing and electronic art. Students will also write about their own art to further grasp their artistic journey and meaning in art.

**NOTE: All students are invited to join Art Club.**

# **BUSINESS EDUCATION**

Career & Technical – Elective

## **INTRODUCTION TO BUSINESS – Course #26**

**Grade Level: 9-11**

**Prerequisite: None**

**Length of Course: 1 Semester**

**Credit: 0.5**

*Transcribed Credit with the Wisconsin Technical College System.*

This course will introduce a variety of business topics. Students will learn concepts and skills required for today's global economy. The concepts learned in this course will benefit all students because nearly every career uses fundamental business skills and practices. Topics covered will include introductions to economics, marketing, management, leadership, accounting, international business and financial planning. In addition, students will work on a variety of group and individual projects including creating a small business.

## **MARKETING – Course #28**

**Grade Level: 9-12**

**Prerequisite: None**

**Length of Course: 1 Semester**

**Credit: 0.5**

Students will explore the dynamic world of marketing goods and services. Students will learn how products and services are developed, promoted through advertising, and distributed to the final consumer. Topics that will be covered are promotion, pricing, human relations, sales, product/service planning, distribution, e-commerce, market research, and the free enterprise system. In addition, students will work on a variety of group and individual projects. The final project is to create a product and utilize all of the areas that we have covered in class.

## **COMPUTER APPLICATIONS – Course # 23**

**Grade Level: 9-12**

**Prerequisite: Typing Speed 35+wpm**

**Length of Course: 1 Semester**

**Credit: 0.5**

*Transcribed Credit with the Wisconsin Technical College System.*

This course builds upon basic Windows skills and introduces intermediate level features of Microsoft Word, Excel and PowerPoint. The topics covered will be formatting, formulas, and built-in functions used in business. By becoming more efficient in Microsoft Office, students will be able to utilize the skills in this course towards other high school courses. Additional topics covered will be an introduction to computer programming, hardware, video editing and website design.

## **ADVANCED COMPUTER APPLICATIONS (INDEPENDENT STUDY) Course #29**

**Grade Level: 9-12**

**Prerequisite: B or higher in Comp Apps**

**Length of Course: 1 semester**

**Credit: 0.5**

*Transcribed Credit with the Wisconsin Technical College System*

Available as an online independent study course. Students will establish advanced Microsoft Office Suite skills; including Word, Excel, and Power Point. Students will prepare for and complete the Microsoft Office Suite Specialist Certification. Students will explore other technology tools and database management options. The course is designed for students preparing for a career in business.

## **YEARBOOK CLASS I & II – Course #64**

**Grade Level: 11-12**

**Prerequisite: English (“C” or better)**

**Length of Course: 1 Full Year**

**Credit: 1**

Students who like to take pictures, create beautifully designed layouts, create engaging and content-rich environments, and be part of the social hub of the school are apt to love Yearbook class. Students learn how to manage a full-scale, full-budget production class that involves brainstorming, creating, editing, enhancing, advertising, selling, and distributing our very own River Ridge Timberwolves yearbook. Using their own talents and interests in fashion, gossip, What’s Hot and What’s Not, the latest trends and the ones out the door, yearbook students have their finger on the pulse of the school. Yearbook students are divided into teams responsible for our beautiful and engaging Timberwolves yearbook. Students will be expected to have outside of class photo projects.

## **ACCOUNTING I – Course #24**

**Grade Level: 10-12**

**Prerequisite: None**

**Length of Course: 1 full year**

**Credit: 1**

*Transcribed Credit with the Wisconsin Technical College System.*

Students will learn and demonstrate the complete accounting process for three types of business - Proprietorship, Partnership, and Corporation - using both standard and special journals and ledgers. Real-world accounting simulations provide the students with hands-on opportunities to analyze business transactions and apply accounting procedures. This course not only provides an understanding of the economic activities of the business world, but also contributes to a student’s competence in managing his or her own personal finances by learning how to operate and reconcile a checking account and understand tax and credit.

## **ACCOUNTING II – Course #25**

**Grade Level: 11-12**

**Length of Course: 1 full year**

**Prerequisite: Acct. I (“C” or better)**

**Credit: 1**

Students will expand their general knowledge of accounting procedures to learn more specialized aspects of accounting in the professional world with a greater emphasis on automated accounting procedures. Students will learn the procedures of departmentalized accounting, understand general adjustments, and learn to specialize in areas such as corporate, management, and cost accounting. Students will complete several real-world accounting simulations to demonstrate mastery of accounting procedures.

## **ADVANCED ACCOUNTING – Course #27**

**Grade Level: 11-12**

**Length of Course: 1 full year**

**Prerequisite: Acct. II**

**Credit: 1**

This course will explore more in-depth accounting procedures and analyzing business reports. The course will utilize various accounting software and advanced spreadsheet lessons. Case studies will be used throughout the course to look in depth at financial reporting for organizational structures like partnerships and non-profit business structures. The course will prepare a student for the exam for four-year college accounting credit.

## **PERSONAL FINANCE – Course #21**

**Grade Level: 12**

**Length of Course: 1 Semester**

**Prerequisite: None**

**Credit: 0.5**

**\*Required for students in the School-To-Work program**

*Transcribed Credit with the Wisconsin Technical College System.*

The purpose of this course is to inform students of various financial responsibilities and prepare for living on their own. This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending, and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

## ENGLISH

### **ENGLISH 9 – Course #35**

**Grade Level: 9 Required**

**Length of Course: 1 full year**

**Prerequisite: None**

**1 Credit**

This course involves learning skills in reading, grammar, and composition. Developing the skills for oral and written communication will be introduced and developed through grammar instruction and vocabulary language exploration. Some of the course will entail the reading of various trade books and plays. The students will be expected to recognize plot, character, setting, point of view, theme, and irony in the pieces of literature read. Reading, writing, discussion, and testing will all be a part of this unit. Students will study and develop their skills in writing paragraphs and essays of various types.

### **ENGLISH 10 – Course #34**

**Grade Level: 10 Required**

**Length of Course: 1 full year**

**Prerequisite: None**

**1 Credit**

This course continues its emphasis on the learning skills covered in English 9. The first part of this course focuses on the comprehension and analysis of various literary works and genres such as short stories, poetry, and a novel. The second part of this course focuses on composition and speech communications skills. Students will explore potential careers using WisCareers, implemented through the guidance department, and follow up with an extensive research paper. In the speech unit students will learn social and professional communication skills as well as how to research, prepare, and deliver speeches for various occasions.

### **ENGLISH ESSENTIALS – Course #194**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

Students will work collaboratively and independently to improve the foundational communication skills of speaking and listening, along with reading and writing. These skills will be integrated to help students communicate and comprehend correctly and effectively in everyday life and may include vocabulary building, spelling, research skills, etc. Students will participate in discussions and write paragraphs. This course is intended to develop basic English language skills in order to be ready for career (directly to the workplace) or technical college (two year) level English courses.

## **ADVANCED COMPOSITION I – Course #37**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: C- or better  
in English 10 or English Essentials  
.5 Credit**

Advanced Composition I will consist of a comprehensive study of the conventions of grammar, usage, and mechanics, which is more complex than that previously studied. Students will recognize appropriate English usage in their own reading and writing. They will be required to write in a variety of forms, including narrative, descriptive, persuasive, expository, and literary texts, and develop skills in writing for assessment. Each student will create a writing portfolio used for critical thinking, analysis, and reflection of the writing process.

## **AMERICAN LITERATURE - Course #39**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: None  
.5 Credit**

American literature will consist of a variety of reading. Students will be studying poetry, essays, plays, and short stories. Students will participate in a chronological study of American authors by examining history and literature together to gain a deeper understanding of our country. The course will focus on text analysis, but it will also cover skills in writing and language, speaking and listening, vocabulary, and media.

## **MODERN LITERATURE – Course #44**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: None  
.5 Credit**

In modern literature class, students will study a variety of genres (realistic fiction, science fiction, fantasy, etc.) and formats such as novels, plays, poetry, essays, short stories, media, and nonfiction articles. There will be a focus on contemporary and modern American authors. The course will focus on text analysis and will also cover skills in writing and language, speaking and listening.

## **SENIOR COMPOSITION – Course #38**

**Grade Level: 12**

**Length of Course: 1 semester**

**Prerequisite: None  
.5 Credit**

Senior Composition is a course designed to enhance students' writing skills and develop their ability to effectively communicate through various forms of writing and media. Students will gain the confidence and ability to communicate their ideas and perspectives to a variety of real-world audiences through narrative, informational, and argumentative writing, as well as through media such as photo essays and podcasts.

## **SENIOR LITERATURE – Course #40**

**Grade Level: 12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

Senior Literature will consist of a study of a range of texts including early English literature as well as current non-fiction and media. The texts in this course will vary in style and complexity to prepare students for the variety of texts they will encounter after high school. The main focus of the course will be critical thinking in response to the reading selections, but it will also incorporate skills in writing and language, speaking and listening, vocabulary, and media.

## **ORAL/INTERPERSONAL COMMUNICATION – Course #43**

**Grade Level: 12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

*Transcripted credit with Wisconsin Technical College System*

Students will demonstrate competency in speaking, verbal and nonverbal communication, and listening skills through individual presentations, group projects, and various written assignments. There will also be a unit addressing the use of communication as the key to resolving conflicts, work as a member or a leader of a team and give and receive effective criticism.

## **WRITTEN COMMUNICATIONS – Course #201**

**Grade Level: 12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

*Transcripted credit with Wisconsin Technical College System*

Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments are designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also develops critical reading and thinking skills through the analysis of a variety of written documents. Core abilities assessed in this course include communicating clearly, work cooperatively, act professionally, value learning, work productively, and solve problems.

## **AP ENGLISH LITERATURE AND COMPOSITION – Course #31**

**Grade Level: 12 /elective**

**Length of Course: 1 full year**

**Prerequisite:** must have received at least a 90% in both literature and composition course.

**1 Credit**

AP English Literature and Composition is a reading and writing intensive course. Students will read and analyze several pieces of literature from various authors and genres. Students will consider the structure, style, themes, and various literary devices associated with the selected readings in order to prepare for the AP English Literature and Composition Exam.

## **AP ENGLISH LANGUAGE & COMPOSITION – Course #36**

**Grade Level: 11-12**

**Prerequisite: 90% in English 10 or  
Adv. Comp I**

**Length of Course: 1 full year**

**1 Credit**

The AP English Language and Composition course focuses on the development and revision of analytical and argumentative writing, the analysis of nonfiction texts, and the decisions writers make as they compose and revise. This course aligns to introductory college-level rhetoric and writing curriculum to prepare students for the AP English Language and Composition Exam.

# FOREIGN LANGUAGE

Elective

## **SPANISH 1 – Course #59**

**Grade Level: 9-12**

**Length of Course: 1 full year**

**Prerequisite: None**

**1 Credit**

Students enrolled in their class will start their journey in learning Spanish. Students will learn how to read, write, speak, and listen to understand the Spanish language. The course covers vocabulary development along with reading and writing simple sentences. Themes/topics covered include greetings, likes and dislikes, origin, weather, describing physical appearance and personality traits, school schedules, classroom supplies, basic food and meals, family, clothing, seasons, and shopping

## **SPANISH 2 – Course #60**

**Grade Level: 10-12**

**Length of Course: 1 full year**

**Prerequisite: B or better in Spanish 1**

**1 Credit**

Students enrolled in Spanish 2 will expand their communication skills that were developed in Spanish 1. Themes/topics covered include places around town, living arrangements and furniture, navigating an airport, planning for a trip, going on vacation, sports, morning routines, and planning a party.

## **SPANISH 3 – Course #61**

**Grade Level: 11-12**

**Length of Course: 1 full year**

**Prerequisite: B+ or better in Spanish 1 & 2**

**1 Credit**

Students will apply all knowledge from the previous classes and begin to tackle speaking more in Spanish. Students will be able to navigate a daily conversation and will apply all previous grammar, build on the concepts and communication skills developed in Spanish 1 and 2. Themes/topics include telling legends, ancient and modern Mexico, navigating a city using maps, cooking, ordering meals in a restaurant, and camping/outdoor activities.

## **SPANISH 4 – Course #62**

**Grade Level: 12**

**Length of Course: 1 full year**

**Prerequisite: B+ or better in Spanish 1,2,3**

**1 Credit**

This class will broaden vocabulary, reinforce grammar and tenses concepts applied to different skills through reading, writing, listening, and speaking. Themes/topics include environmental concerns, volunteering and community service, the future, and heroes.

# HEALTH

## **HEALTH – Course #50**

**Grade Level: 10**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

The purpose of this course is to develop a more thorough awareness and understanding of the major dimensions of health. Students will demonstrate an in-depth understanding of health concepts, analyze influences, and advocate to others the importance of healthy behaviors and a healthy lifestyle. Topics covered include physical, mental, emotional, social, spiritual, and environmental health.

# MATHEMATICS

## **ALGEBRA A – Course #82**

**Grade Level: 9-12**

**Length of Course: 1 full year**

**Prerequisite: See Note**

**1 Credit**

Algebra A is the first semester of Algebra I spanned across the entire year. Students will work in depth with solving equations and inequalities, linear equations, linear functions, systems of linear equations and inequalities, piecewise defined functions, and exponents and exponential functions.

**NOTE: Algebra A is designed to be followed by Algebra B for any student who has mastered Algebra A. Students who have maintained an average of B or above in 7<sup>th</sup> & 8<sup>th</sup> grade math will not be admitted to Algebra A.**

## **ALGEBRA I – Course #84**

**Grade Level: 9-12**

**Length of Course: 1 full year**

**Prerequisite: “C” in a previous course or teacher approval**

**1 Credit**

Algebra I was designed to provide students with rich opportunities to build understanding of important new mathematical concepts and develop fluency with key skills as described in the Standards for Mathematical Content, and to gain proficiency with the habits of mind and thinking dispositions described in the Standards for Mathematical Practice. Topics covered are Linear functions, Piecewise functions, Exponential Functions, Polynomials, and Quadratic Functions. A scientific calculator will be provided for the students.

**NOTE: This course is a required class for a 4-year college program. This course is required for Geometry, Algebra II, Chemistry and Physics.**

## **ALGEBRA B – Course #86**

**Grade Level: 10-12**

**Length of Course: 1 full year**

**Prerequisite: Successful completion of Algebra A**

**1 Credit**

Algebra B is the second semester of Algebra I spanned across the entire year. This course will provide a review of the topics covered in Algebra A, and include the topics of polynomials and factoring, quadratic functions, solving quadratic equations, other work with functions, and statistics. A scientific calculator will be provided for the students.

## **GEOMETRY – Course #88**

**Grade Level: 10-12**      **Prerequisite: Successful completion of Algebra I (or Alg A & B)**

**Length of Course: 1 full year**      **1 Credit**

Geometry is the study of the relationships and properties of geometric figures such as triangles, quadrilaterals, polygons, and circles. The student will recognize inductive, intuitive, and deductive reasoning and will learn to formulate a sound deductive proof.

The student will study the basic properties and relationships of points, lines, planes, and angles, which will be methods of showing triangles are congruent, and will also study similar triangles. The study of right triangles will provide for a basic introduction to trigonometry. The student will study the properties of circles, inscribed angles, and learn to determine arc measure with circles. The student will learn to perform basic constructions with a compass and straight edge. A study of the areas and volumes of two-dimensional and three-dimensional objects is included in this course. A review of coordinate geometry, and linear equations concludes the course objectives.

**NOTE: This course is a required class for a 4-year college program. This course is required for Algebra II, Advanced Math and Physics.**

## **APPLIED MATH – Course #89**

**Grade Level: 11-12**

**Prerequisite: None**

**Length of Course: 1 full year**

**1 Credit**

This course is designed to help students become mathematically literate, self-confident, and prepared for the work world or post-high school education. Upon completion, the student should have improved their mathematics problem solving skills in the following areas: measurement, geometry, trigonometry, and algebra; as well as reviewing topics such as fractions, decimals, percents, and formulas. Students also will gain insight into math with business applications such as interest, buying, selling, payroll, loans, and depreciation.

**NOTE: Students who have received a C or better in Algebra I and Geometry may not take this course without instructor approval.**

## **ALGEBRA II – Course #90**

**Grade Level: 11-12**

**Prerequisite: Geometry with a  
“C” or better / approval**

**Length of Course: 1 full year**

**1 Credit**

Algebra II is a review of underlying properties of Algebra I and a more intense study of the topics covered in Algebra I. The course should help the student further develop his/her mathematical skills and develop a clearer grasp of the underlying principles of the number system. Types of functions covered include: linear, quadratic, polynomial, rational, radical, exponential, logarithmic, and trigonometric. Other topics include conic sections, matrices, statistics, and probability. A scientific calculator will be provided for the students.

**NOTE: This course is a required class for a 4-year college program.**

## **PRE-CALCULUS – Course #85**

**Grade Level: 12**

**Length of Course: 1 full year**

**Prerequisite: Algebra II with a  
“C” or better / approval**

**1 Credit**

Pre-Calculus covers topics that may have been introduced in Algebra II. It is a rigorous class with much outside of class study needed. It includes trigonometry, power, exponential and logarithmic functions, sequences, series and combinations, and polynomial functions. Other topics include functions and models, data analysis and transformation of functions and data, binomial and normal distributions, and probability and simulations. The student will leave the course with a working knowledge of a graphics calculator and its application to appropriate topics. The primary goal in this selection of topics is to prepare the student for college classes.

# MUSIC

## **INSTRUMENTAL MUSIC – Course #97**

**Grade Level: 9-12**

**Prerequisite: Enrolled in  
Middle School Band or approval**

**Length of Course: 1 semester**

**.5 Credit**

Instrumental Music is an elective course available to students in grades 9-12. It meets two days per week and every other Friday opposite choir. The main goal of this course will be to study music composed for the wind and percussion genre and to develop artistic sensitivity through the performance of this music. The students of Instrumental Music class will have several group performance assessments (concerts) throughout the year under several different titles: The Symphony Band, The Marching Timberwolves, and the Pep Band. Marching practice begins in the summer and will take place over the course of one week, usually in August. Students must participate in all group performances and rehearsals for full credit. Students will receive individual or small group instruction through this course. This instruction will take place before school, after school or during students' breaks throughout the day. There are also other opportunities for students to perform that are not required such as Solo and Ensemble, Honors Band, Dorian Band Festival and others. Further cultural enrichment is offered through club and field trips. Students in Instrumental Music class also take an out-of-state trip every 4 years with choir students. Two-year band participation is a prerequisite to going on this trip.

## **CHOIR – Course #99**

**Grade Level: 9-12**

**Prerequisite: Successful completion of Choir  
(middle or high school) in the previous year or  
approval from the instructor.**

**Length of Course: 1 semester**

**.5 Credit**

Concert Choir is offered on a two day per week schedule and alternating Fridays and open to any student with previous two years choir experience or through audition with director. Being able to match pitches is a requirement. Music selected for this group includes secular, sacred, and pop. Students should be aware of their required performances, which include three concerts and Large Group Contest. Attendance at concerts (Fall, Winter, Pops & Music Banquet) and contest (WSMA Large-Group) is mandatory. Other events open to possible participation include Six Rivers West Conference Honors Chorus, River Ridge Singers, Dorian Festival, Women's Chorus, and Men's Chorus. Students may choose to participate in WSMA Solo-Ensemble at both the district and state levels. Further cultural enrichment is offered through field trips. Two-year choir participation is a prerequisite to going on music trip on the four-year rotation.

## PHYSICAL EDUCATION

\*\*Students are only allowed to take one semester of Basic Phy Ed or Personal Fitness per year unless given permission from Mr. Sperle or Mrs. Martin. Students will be allowed to take Advanced Fitness both semesters if they meet the prerequisites.

### **BASIC PHYSICAL EDUCATION – Course #191**

**Grade Level: 9-12**

**Prerequisite: None for Freshman/Sophomores  
Juniors/Seniors must have taken one semester of  
Personal Fitness OR Advanced Fitness before  
enrolling in this class and teacher approval  
.5 Credit**

**Length of Course: 1 semester**

Students will take part in a wide variety of physical activities and demonstrate the skills, knowledge, and dispositions needed to be lifelong movers and achieve/maintain a desirable level of physical fitness. Health-related fitness concepts and moderate to vigorous physical activities will be of prime focus, with building lifelong habits for health the ultimate goal. In addition, students will participate in team, individual, lifetime, and recreational activities that are covered on a two-year rotation. Assessment strategies include: participation and effort in all activities, attitude and behavior toward others, daily activity logs, semester fitness assessments, self-assessments, and exit slips.

### **PERSONAL FITNESS – Course #192**

**Grade Level: 11-12**

**Prerequisite: Basic PE**

**Length of Course: 1 semester**

**.5 Credit**

Students at the Junior/Senior level are expected to have an in-depth understanding of the importance and value of regular physical activity as it relates to lifelong health and wellbeing. At this level, students are expected to give full effort and participate to the best of their abilities at each opportunity. Students will design and implement a personal fitness plan using the S.M.A.R.T. goal process to maintain or improve present levels of health-related physical fitness. Students will work to achieve their personal fitness goals regularly throughout the semester. In addition, students will be given choices in their weekly activities to provide a suitable and motivating atmosphere for participants of all ability levels. Assessment strategies include: participation and effort in all activities, daily goal tracking and activity logs, attitude and behavior toward others.

### **ADVANCED FITNESS – Course #108**

**Grade Level: 11-12**

**Prerequisite: Basic PE AND teacher approval**

**Length of Course: 1 semester**

**.5 Credit**

Advanced Fitness PE is offered exclusively to **highly self-motivated** students in grades 10-12 who have completed at least one semester of Physical Education at the high school level. This course is designed for motivated students who seek to build and improve physical fitness and/or skill performance levels. Class activities include strength training workouts (BFS program), endurance, speed, flexibility, plyometric, balance, circuit, cross training, reaction/agility, and many more. Assessment strategies include: high level of participation in all activities, positive attitude and behavior toward others, completion of weight training and goal-specific activity logs, and fitness assessments.

## SCIENCE

### **INTEGRATED SCIENCE – Course #113**

**Grade Level: 9**

**Length of Course: 1 full year**

**Required Freshman Course**

**1 Credit**

Integrated Science is an inquiry, concept, and laboratory based study of how earth and space, life, physical and environmental sciences relate to each other in the everyday world. This course provides a strong foundation in the sciences. Mathematics skills through pre-algebra are used in problem solving. 4 units (Physics, Biology, Chemistry, Earth/Space Science)

### **BIOLOGY – Course #114**

**Grade Level: 10-12**

**Length of Course: 1 full year**

**Prerequisite: Integrated Science**

**1 Credit**

The general Biology curriculum aims to increase the student's awareness of the natural world by developing interest in the science of life. Students will study cellular biology, microbiology, plant/animal biology, human biology, and ecological/environmental relationship between inter/intra Kingdom groups. The program consists of lecture, lab, and class discussions formatting. It has both college prep and non-college prep orientation with flexibility at all levels of ability.

### **HUMAN ANATOMY & PHYSIOLOGY – Course #118**

**Grade Level: 11-12**

**Length of Course: 1 full year**

**Prerequisite: "C" in Biology**

**1 Credit**

The curriculum is designed to provide students with an understanding of the structure and function of the human body. Although not limited to such, it is especially useful for students interested in careers in health fields. Medical terminology is defined and discussed, and some Internet research is required. Labs include microscopic study of tissues, disability simulations, model and diagram study, comparative anatomy, physic-analysis, and computer simulations. A research paper is required during the second semester.

### **CHEMISTRY – Course #117**

**Grade Level: 11-12**

**Length of Course: 1 full year**

**Prerequisite: "C" in Biology & Algebra I  
or Instructor approval**

**1 Credit**

This course discusses the internal make-up of matter and how it changes. Topics include atomic structure, the periodic table, chemical and molecular structure, chemical reactions, and inorganic/organic chemistry. Lab and analysis are vital parts of chemistry. Mathematical skills are used throughout this course.

## **SCIENCE 11/12 – Course #119**

**Grade Level: 11-12**

**Length of Course: 1 full year**

**Prerequisite:** Integrated Science & Biology

**1 Credit**

This Junior/Senior level lab science course is a 4-unit course, each consuming approximately one nine-week grading period.

## **PHYSICS - Course #121**

**Grade Level: 12**

**Length of Course: 1 full year**

**Prerequisite: Biology, Geometry & at least enrolled in Algebra II**

**1 Credit**

The Physics curriculum aims to give the student an understanding of the contemporary view of the physical world. It stresses that all physical phenomena are described in terms of two fundamental concepts: matter and energy. The development of these concepts is a major program goal. Special emphasis is on the concept that physics can be found in even the simplest of everyday activities. In-depth lab reports are developed.

*(Juniors by teacher permission only)*

## **AP BIOLOGY – Course #14**

**Grade Level: 12**

**Length of Course: 1 full year**

**Prerequisite: Biology & Chemistry w/B or higher.**

**1 Credit**

AP Biology is an introductory college-level biology course. 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. This course has many investigative labs and research and writing in the science disciplines.

## **SOCIAL STUDIES**

### **CIVICS – Course #125**

**Grade Level: 9**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

Civics is a required one-semester class for freshmen. It is the study of citizenship and government. The growth of government, the democratic process and the obligation of citizens will be explored. Included is a short introduction to practical law. Students must pass the U.S. citizenship test to graduate.

Students will have the understanding of:

- The need for government
- Foundations of the political system of the United States
- The values and principles of the United States Constitution
- The roles of citizens in our United States Democracy
- Comparative governments and world relationships

### **WORLD GEOGRAPHY – Course #124**

**Grade Level: 9**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

World Geography is a course primarily for students in their freshmen year of high school. The course will cover all five themes of Geography and the ideals of how our lives on this planet are shaped by the world around us. We will adhere to the standards passed by the Wisconsin Department of Public Instruction of Geography and review the information that will be seen on the State Standardized Test.

Students will have the understanding of:

- Be able to use an atlas in explaining how the five themes of geography affect where and why people in different places around the world and why they face the conditions they do in that place.
- Determine how population affects people in different places around the world.
- Using a variety of resources, explain how a major geographic change in one place can affect another place.
- Be able to explain how the theme of human interaction with the environment adapts to the different ecosystems around the world.
- Be able to explain why people set up their living places the way that they do according to their needs and wants.

### **WORLD HISTORY – Course #126**

**Grade Level: 10**

**Length of Course: 1 full year**

**Prerequisite: None**

**1 Credit**

World History is a required course for all tenth-grade students. It is a full year course that is worth one full credit. This course provides a panoramic view of how world events have influenced and shaped our destiny. World History provides a background in the following areas: Civilization's earliest beginnings, Classical civilizations, the rise of Christendom and Islam, New World Civilizations, The rise of Western

Europe, World Wars, and the present experiences found in the new millennium. Great course for both college bound and non-college bound students.

Students will have the understanding of:

Explain why some countries seek peace while others go to war.

Explain the process of stability, civilization, and progress.

Be able to explain the process of linkage in the ancient and modern worlds.

Explain each of the five great religions (Buddhism, Islam, Hinduism, Judaism, and Christianity) and their effects on the world.

Be able to explain how difficult decisions are arrived at throughout history.

## **UNITED STATES HISTORY – Course #127**

**Grade Level: 11**

**Prerequisite: None**

**Length of Course: 1 full year**

**1 Credit**

United States History is a full year one credit course designed mostly for students in their Junior year of High School. This course covers the history of the United States from our pre-colonial period up through the Civil War and Reconstruction. The course focuses on how the situations of antebellum slavery and the Civil War have affected our society today.

## **SOCIAL ISSUES/CURRENT EVENTS – Course #133**

**Grade Level: 12**

**Prerequisite: None**

**Length of Course: 1 semester**

**.5 Credit**

This course is an examination of contemporary social problems through sociological perspectives. It is designed to provide you with an understanding of how major systems of power such as racism, sexism, classism, and heterosexism, among others, are interrelated, and result in numerous social problems. Throughout the semester, we will explore ways in which these social problems are part of the organization of society, and ways we can use our own agency to address them. Students will be able to.....

- Recognize the factors that contribute to individual identity and development in human beings.
- Critically examine social problems in a way that is sociologically mindful, by considering the larger picture, seeing how the world is socially constructed, and understanding patterns.
- Understand group dynamics and the function of society.
- Understand systems of power and how they intersect to create social problems.
- View themselves as competent social actors with an understanding of how they can be catalysts for positive change.

## **AP US HISTORY – Course #134**

**Grade Level: 12 /elective**

**Length of Course: 1 full year**

**Prerequisite: Must have  
received an A in U.S. History  
1 Credit**

The AP (Advanced Placement) history course is designed to prepare students to take the AP Test offered each spring by the College Board. Passing the test provides the student with up to 6 history credits at participating colleges and universities. The course is academically rigorous and focuses on conceptual understanding and interpretation of historical events and trends. Critical thinking, high-level reading comprehension, writing ability and self- motivation are required of participating students. In addition, each student must purchase a preparatory textbook in the amount of \$20.00.

# TECHNOLOGY EDUCATION

Vocational-Elective

## **WOODWORKING – Course #70**

**Grade Level: 9-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

This course is designed to acquaint the students with tools and machinery as well as various wood joints utilized in the woodworking industry. The primary emphasis of instruction is based upon the development of skills in using hand tools and power woodworking equipment. Students will be required to make projects selected by the instructor. Students will be assessed a lab fee for materials used.

## **ADVANCED WOODWORKING – Course #71**

**Grade Level: 10-12**

**Length of Course: 1 semester**

**Prerequisite: Woodworking**

**.5 Credit**

This course will allow students to further develop their woodworking skills. Students will be subject to learning advanced jointing skills, as well as learning the principles required to design and construct cabinet doors and drawers. An emphasis on detail, accuracy of dimensions and overall appearance of the project will be stressed. Students will be required to make projects appropriate to the knowledge level of the students selected by the instructor. Students will be assessed a lab fee for materials used.

## **CABINET MAKING I – Course #75**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: Woodworking and  
Adv Woodworking**

**.5 Credit**

This course allows students to utilize the wooding working techniques that they learned in the two previous woodworking classes. The students will be able to select a project of their choice to complete during this class. Project possibilities are cabinets, beds, tables, clocks, etc. The students will be responsible for the cost of the materials used.

## **CABINET MAKING II – Course #77**

**Grade Level: 11-12**

**Length of Course: 1 semester**

**Prerequisite: Woodworking  
and Advanced Woodworking**

**.5 Credit**

This course is the same as Cabinet Making I, except the students will have to develop their own plans to complete projects of their interest. They will use AutoCAD to develop and draw their plans. After the planning and drawing period, the students will complete their project using their plans as the blueprints for their project. Students will be responsible for the cost of the materials used.

## **RESIDENTIAL CONSTRUCTION – Course #74**

**Grade Level: 10-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

This course will provide students with the practical use of tools and building techniques of the residential carpenter. To do this, lessons for this course will literally start from the ground up. Beginning with the understanding of tools and building techniques, this course will follow the process of building a residential home. Areas of this sequence include footings and foundations, floor framing, wall construction, ceilings, and roofs. Students will get the opportunity to construct a small building, such as a shed, or be required to build a scaled down version of a home.

## **MANUFACTURING – Course #76**

**Grade Level: 10-12**

**Length of Course: 1 semester**

**Prerequisite: Woodworking**

**.5 Credit**

This course will have the responsibility to organize and develop their own company. This course will introduce students to every phase of the manufacturing enterprise including research and development, production, tooling, quality control, financial control, and the final marketing of the product. It is the student's responsibility to design a product, form a company, and to manufacture and sell the product. Students with successful product production will have the opportunity to earn income from its sales.

## **CAD 1 (Computer Aided Design) – Course #73**

**Grade Level: 9-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

This course is a beginning computer aided drafting class. It is designed to expose students to the different commands used in CAD, how the software works and what is needed to run the program. Students will create parts, assembly drawings, exploded views, as well as orthographic working drawings. In addition, students will learn how to use basic drafting tools such as drafting boards, T-squares, architect scales and triangles. Concepts such as the design process, modeling, sketching, and dimensioning will be addressed.

## **DIGITAL PHOTOGRAPHY – Course #175**

**Grade Level: 9-12**

**Length of Course: 1 semester**

**Prerequisite: None**

**.5 Credit**

This course is designed to provide students with the opportunity to develop skills related to the production of video and digital still photography. Examples of videos would include promotional, demonstrations, music videos, and documentaries. Examples of still photography include magazine covers, photo compositions, and brochures. Students will learn how to edit photos for highlights, mid-tones, and shadows, color, making selections, removing red eye cropping and sizing, applying masks, adjusting focus, building layer compositions, and creating text and shapes. Adobe Photoshop CS3 and Adobe Premiere software programs will be utilized throughout the semester. Class size will be restricted to 13

students based on computer availability. This class is great for the student who has an interest in photography as a vacation or an avocation.

## **BASICS OF CNC – Course #234**

**Grade Level: 10-12**

**Length of Course: 1 semester**

**Prerequisite: Woodworking & Drafting  
.5 Credit**

In this course, students will explore the capabilities of our Computer Numerical Control (CNC) router. Students will use PartWorks software programs to create a design and then use the Shop Bot router to cut out the design. Projects range from a simple sign with text to a more advanced project which incorporates the use of the CNC router in its design. Students will gain understanding of the design process and CNC systems used in today's modern industrial workplace.

## **VIDEO PRODUCTION – Course #72**

**Grade Level: 10-12**

**Length of Course: 1 semester**

**Prerequisite: Digital Photography  
.5 credit**

This course will teach students the basics of photography, camera functions, video editing, and film making. Students will work individually as well as in groups to write, shoot, and edit their projects and conclude with burning onto a CD/DVD. Sample student projects during the semester include PSA's, commercials, documentaries, music videos and news stories. Students will work with the following software on desktop computers: Adobe Premiere and Adobe Photoshop

## **ADAPTIVE WOODS – Course #**

**Grade Level: 9-12**

**Length of Course: 1 semester**

**Prerequisite: Teacher Recommendation  
.5 credit**

This course will provide individuals with the opportunity to learn about technology. A variety of assistive technologies ranging from low to high tech will be discussed and demonstrated. Students will learn to apply a process for problem-solving and for the selection of appropriate tools to meet individual students' needs. Students are expected to take an active role in learning about assistive technologies and hands-on learning will be included to facilitate that process. Potential projects may include but are not limited to the following: Gumball/Peanut M&M Machine, CNC Welcome/Name Sign, Plaques, as well as other woodworking and non-woodworking projects. Safety glasses are required for all students and are not provided by the school

# SCHOOL-TO-WORK PROGRAM

## SCHOOL-TO-WORK PROGRAM

**Grade Level: 12**

**.5 Credits per Semester**

**Prerequisite: Must be a senior eligible for graduation**

**Have a minimum of a 2.0 GPA**

**Job placement**

**Work permit**

**Training agreement signed**

**Strong attendance record**

The intent of the School-to-Work program at River Ridge High is to:

1. Provide an opportunity for seniors to participate in a meaningful work-related experience.
2. Provide job exploration to increase their knowledge of a career and learn firsthand the skills necessary to remain or become a productive employee.
3. Provide related activities that broaden their knowledge of employability skills.

The School-to-Work program combines on-the-job work experience with coursework through the Wisconsin Youth Apprenticeship Program. Students will attend their job daily and be required to complete a timecard and required coursework assignments. Students will be released from school 1-3 hours daily depending upon the specific job.

## YOUTH APPRENTICESHIP

**Grade Level: 11-12**

The Youth Apprenticeship is a one-to-two-year program that offers students guided learning and work experience within an industry. Youth Apprenticeship Industries include: Finance, Health, Tourism/Lodging Management, Graphic Arts/Printing, Production Ag, Drafting & Design, Welding, and more. Students will receive .25 credit for classroom hours and .25 credit for work hours per semester.