

***ROCKRIDGE HIGH SCHOOL  
REGISTRATION MATERIALS  
2017-2018***

***COURSE DESCRIPTIONS  
and  
GRADUATION REQUIREMENTS***

PERRY MILLER  
SUPERINTENDENT

KATY HASSON  
PRINCIPAL

SCOTT DALY  
ASSOCIATE PRINCIPAL  
ATHLETIC DIRECTOR

**ROCKRIDGE HIGH SCHOOL  
ROCKRIDGE COMMUNITY UNIT SCHOOL DISTRICT #300  
REGISTRATION 2017-2018**

These materials are designed to help you plan your course of study for next year. This information will enable you to select and schedule classes that will increase your chances of obtaining both education and employment after completing High School. That is why the choices you make now are so very important. Students and parents are urged to thoroughly familiarize themselves with graduation requirements and course offerings. Most of the answers to questions which might arise should be herein contained. However, you are urged to inquire about any question or problem for which you need further information.

Please use this booklet of course descriptions with care as you fill out your course request sheets. Follow all directions as given so there are no mistakes. Please remember that your future begins with the plans you make today.

Rockridge is proud of the accomplishments of our students. We believe that you will add to that fine tradition. Please give careful consideration to establishing directions and goals for your future, then select from us those educational experiences that will best enable you to reach those goals. Do not forget to consider both extra-curricular activities and graduation requirements.

Our high school is fully recognized by the Illinois State Board of Education.

We are looking forward to another great year in 2017-2018.

Katy J. Hasson, Principal  
Rockridge High School



# GRADUATION REQUIREMENTS

The following requirements for graduation have been established by the Board of Education.

1. Credits: a minimum of twenty-two (**22**) units of credit.
2. Attendance: eight (**8**) semesters.
3. English: four (**4**) units of credit, with a minimum of 8 semesters required.
4. Science: two (**2**) unit of credit.
5. Mathematics: three (**3**) units of credit. (must include Algebra and Geometry)
6. Social Studies: one (**1**) unit of credit in U.S. History, one-half (**1/2**) unit of credit in American Government and one-half (**1/2**) unit of Social Studies elective credit. Students are required to pass both the U.S. and Illinois Constitution Exams.
7. Consumer Education: one-half (**1/2**) unit of credit.
8. Health: one-half (**1/2**) unit of credit.
9. Driver Education: one-half (**1/2**) unit of credit.
10. Physical Education: four (**4**) units of credit. One-half (1/2) unit of credit may be waived during the semester in which Health is taken.
11. Other: one (**1**) unit of credit in any of the following areas: art, band, chorus, foreign language, or vocational education.

## FACTORS TO CONSIDER WHEN SELECTING COURSES

1. A regular class load is six (6) classes (including Physical Education) and a study hall each semester.
2. Students wanting more than six (6) classes must consult the guidance department before registering.
3. Planning a four year program of studies is essential to your post-high school career.
4. Many courses have prerequisites. Keep these in mind when selecting your next year's courses. Exceptions may be granted upon approval by instructor.
5. Foreign languages are usually taken for two or more years.
6. Only one study hall per semester is allowed. More than one study hall requires counselor permission.
7. **SENIORS:** Candidates for graduation must have successfully completed all of the requirements for graduation before participating in Commencement Exercises.

## **AREA CAREER CENTER COURSES**

### **ACC AUTO MECHANICS 1** (544V) **209901**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

\$3 safety glasses

Prerequisites: Energy Utilization/Transportation/Intro to Electronics or Digital Electronics strongly recommended.

Course Description: This course is the first year of a two-year program designed to prepare students for a career in the automotive industry. This field becomes more technical every day, requiring intelligent service personnel. A variety of automotive systems are studied during the two years. Also, students will participate in many lab activities on actual vehicles. For interested students, there is the opportunity to build a firm foundation in the automotive field. Students are expected to provide adequate work clothing, but they are not required to purchase specific items of clothing.

### **ACC AUTO MECHANICS 2** (545V) **209921**

Grade 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

\$3 safety glasses

Students are expected to provide adequate work clothing, but they are not required to purchase specific items of clothing. Prerequisites:

Successful completion of ACC Auto Mechanics 1 and teacher recommendation.

Course Description: This course is the second year of a two-year program designed to prepare students for a career in the automotive industry. This field becomes more technical every day, requiring intelligent service personnel. A variety of automotive systems are studied during the two years. Also, students will participate in many lab activities on actual vehicles. For interested students, there is the opportunity to build a firm foundation in the automotive field. Students are expected to provide adequate work clothing, but they are not required to purchase specific items of clothing.

### **ACC BUILDING TRADES 1** (550V) **209905**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

\$3 safety glasses

Prerequisites: Woodworking 1 recommended.

Course Description: This course is the first year of a two-year program providing experiences in all phases of the construction industry. The major course project — building a house — allows students to engage in concrete work, carpentry, roofing, tin work, tile work, and painting. Students must provide their own hammers and rules as well as adequate work clothing, but they are not required to purchase specific items of clothing.

### **ACC BUILDING TRADES 2** (551V) **209904**

Grade 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

\$3 safety glasses

Prerequisites: Successful completion of ACC Building Trades 1 and teacher recommendation.

Course Description: This course is the second year of a two-year program providing experiences in all phases of the construction industry. The major course project — building a house — allows students to engage in concrete work, carpentry, roofing, tin work, tile work, and painting. Students must provide their own hammers and rules as well as adequate work clothing, but they are not required to purchase specific items of clothing.

**ACC CHILD CARE 1 (552V) 209903**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$10 fall semester-lab

\$5 spring semester-lab

Prerequisites: Child Development and/or Parenting recommended. A current physical and TB test is required. Art supplies to be purchased by student are optional.

Course Description: This course is the first year of a two year program exploring the field of education with emphasis on becoming a teacher and/or a child care provider. Students will be assigned to work as a Student Assistant in a day care center, elementary school, or special education setting, planning and teaching activities to groups of children. From September to May, students will be teaching lessons to toddlers, preschoolers, elementary and special needs children 3 days a week. Upon successful completion of the course requirements, students will receive the Early Childhood Education Credential Level I as recognized by the State of Illinois. Course requirements include daily attendance, a dress code that is appropriate for working with small children and a current physical and TB test for the first day of class.

**ACC CHILD CARE 2 (555V) 209925**

Grade 12

3.0 Credits

Full Year Course

Fees: \$5 semester-lab

\$7 binder

Prerequisites: Satisfactory completion of ACC Child Care 1 and instructor recommendation.

Course Description: This course is the second year of a two year program designed to give students classroom and practical training hours in order to work towards the CDA (Child Development Associate) credential. Students fulfill the CDA requirements by working with children at a child care site during the academic school year. When working at a child care site, students are required to wear a child care smock and a dress code that is appropriate for working with small children is required. A course in Child Development is required for certification but testing for the Child Development Associate credential is optional.

**ACC COLLISION DAMAGE REPAIR 1 (542V) 209906**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

\$3 safety glasses

\$7 leather gloves

Cotton coveralls to be purchased by student

Prerequisites: None

Course Description: This course is the first year of a two-year program that requires students with good manual dexterity and an appreciation for craftsmanship in a high demand field. In these courses, students will develop skills in welding, metal forming and straightening, and will apply an understanding of geometry to frame and front alignment. Instruction in straightening doors and fenders, replacement of panels, alignment of all sheet metal parts, mixing and paint application is also included. The second year of the program estimating, making shop tickets, replacing door glass, and custom painting and framework. This class has done many custom autos that have won car shows.

**ACC COLLISION DAMAGE REPAIR 2 (543V) 209920**

Grade 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

\$3 safety glasses

\$7 leather gloves

Cotton coveralls to be purchased by student

Prerequisites: Successful completion of ACC Collision Damage Repair 1 and instructor recommendation.

Course Description: This course is the second year of a two-year program that requires students with good manual dexterity and an appreciation for craftsmanship in a high demand field. In these courses, students will develop skills in welding, metal forming and straightening, and will apply an understanding of geometry to frame and front alignment. Instruction in straightening doors and fenders, replacement of panels, alignment of all sheet metal parts, mixing and paint application is also included. The second year of the program estimating, making shop tickets, replacing door glass, and custom painting and framework. This class has done many custom autos that have won car shows.

### **ACC COSMETOLOGY (554V) 209923**

Grade 12

3.0 Credits

Full Year Course

Fees: \$25 each semester

\$16 uniform

Prerequisites: In most cases, students must provide their own transportation.

Course Description: This is a one year program enabling students to enroll in an accredited area cosmetology college and complete approximately 350 hours of the 1500 — hours required for Illinois state requirements for certification. Following graduation from high school, students may complete certification requirements at the cosmetology college. In most cases, students must provide their own transportation to La James College of Hairstyling.

### **ACC DESIGN AND DRAFTING 1 (560V) 209909**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

Prerequisites: Drafting 1 and Communication Technology recommended.

Course Description: This course is the first year of a two-year program offering students a chance for many drafting, engineering, and design experiences. Design and Drafting I students will use the 3D modeling CAD software Inventor to explore part design, mechanical engineering and mechanical drafting during the 1st semester. During the 2nd semester, students will use the CAD software Architectural Desktop to design, draw, and plot a complete set of house plans for a residential house. In the second year class, Design and Drafting II, students will choose a field of study to focus their studies. A major project will be required that will demonstrate technical skills and knowledge needed in the drafting and engineering fields. Projects will range from designing buildings that are built in the community to designing parts for manufacturing. Students who desire a career in drafting or a related engineering field should consider this a required course sequence, since colleges and employers often expect prior CAD training.

### **ACC DESIGN AND DRAFTING 2 (561V) 209924**

Grade 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

Prerequisites: Credit in ACC Design and Drafting 1.

Course Description: This course is the second year of a two-year program offering students a chance for many drafting, engineering, and design experiences. Design and Drafting I students will use the 3D modeling CAD software Inventor to explore part design, mechanical engineering and mechanical drafting during the 1st semester. During the 2nd semester, students will use the CAD software Architectural Desktop to design, draw, and plot a complete set of house plans for a residential house. In the second year class, Design and Drafting II, students will choose a field of study to focus their studies. A major project will be required that will demonstrate technical skills and knowledge needed in the drafting and engineering fields. Projects will range from designing buildings that are built in the community to designing parts for manufacturing. Students who desire a career in drafting or a related engineering field should consider this a required course sequence, since colleges and employers often expect prior CAD training.

### **ACC EXTENDED CAMPUS HEALTH OCCUPATIONS (ECHO) 1 (538V) 209908**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

\$20-\$40 white uniform and shoes

\$65 State Certification Testing (optional)

Prerequisites: None

Course Description: This course is a Certified Nursing Assistant program, approved by the Illinois Department of Public Health (Program #0288). At the end of this year long course, students who complete all requirements will be eligible to take the Illinois Competency Exam and will receive CNA credentials. This class introduces students to the fundamentals of health care and nursing assistant skills through theory, lab, and clinical rotations. Clinical rotations involve students in direct patient care in nursing homes and hospitals under supervision of the UT ACC clinical instructor. This class is also an 8 hour dual credit class through Black Hawk College.

**ACC EXTENDED CAMPUS HEALTH OCCUPATIONS (ECHO) 2 (539V) 209938**

Grade 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

Prerequisites: Must have earned a "B" average in ECHO 1, passed the CNA test and have instructor approval. Must provide own transportation to internship site.

Course Description: This course is comprised of two sections: one semester consists of a 3 hour dual credit medical terminology class and the other semester is the 3.5 hour Trinity Health Academy. The Trinity Academy involves clinical rotations under the supervision of Trinity personnel. Students must provide their own transportation to Academy sites.

**ACC FIRE SCIENCE/FIRE FIGHTING 1 (597V) 209952**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

Prerequisites: None

Course Description: This course is the first year of a two year program that prepares students for a career as a Fire Fighter or related Fire Science occupation. During the first year students will learn the skills needed to prevent and extinguish fires, maintain and repair fire service related equipment, provide basic emergency medical treatment, and prepare public service information concerning tires and hazardous materials.

**ACC FIRE SCIENCE/FIRE FIGHTING 2 (598V) 209953**

Grade 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

Prerequisites: Successful completion of ACC Fire Science/Fire Fighting 1 and instructor recommendation.

Course Description: This course is the second year of a two year program in Fire Fighting. Students will build upon the knowledge and skills gained during Introduction to Health Occupations I or Fire Fighting I. This course will allow students to become a certified First Responder and begin work on the basic skills for EMT or EMS which are required for employment as a regular duty Paramedic Fire Fighter.

**ACC GRAPHIC ARTS 1 (564V) 209902**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

Prerequisites: UT Graphic Arts (517) recommended.

Course Description: This course is the first year of a two year program that introduces students to the graphic arts/printing industry. The program will provide instruction in Desktop Publishing, design and layout, line and half-tone photography, press preparation and operation, silk screening, still photography, sign making, and embroidery.

**ACC GRAPHIC ARTS 2 (565V) 209910**

Grade 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

Prerequisites: Credit in ACC Graphic Arts 1.

Course Description: This course is the second year of a two year program that introduces students to the graphic arts/printing industry. The program will provide instruction in Desktop Publishing, design and layout, line and half-tone photography, press preparation and operation, silk screening, still photography, sign making, and embroidery.

**ACC LAW AND PUBLIC SAFETY 1 (582V) 209898**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

Prerequisites: Juniors who are interested in law and law enforcement.

Course Description: This course is the first year of a two year program designed to prepare students to enter into the fields of law enforcement and the criminal justice system. Instruction will include the history of law enforcement and the legal system, report writing and record keeping, criminal investigation techniques, and routine police procedures. Students will learn how to use communications and dispatch equipment, perform proper search and seizure techniques, conduct basic criminal investigations, and execute correct pursuit and arrest procedures. Instruction will also include patrolling techniques, private operations, traffic investigations, and community relations.

**ACC LAW AND PUBLIC SAFETY 2 (583V) 209899**

Grade 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

Prerequisites: Credit in ACC Law and Public Safety 1.

Course Description: This course is the second year of a two year program designed to prepare students to enter into the fields of law enforcement and the criminal justice system. Instruction will include the history of law enforcement and the legal system, report writing and record keeping, criminal investigation techniques, and routine police procedures. Students will learn how to use communications and dispatch equipment, perform proper search and seizure techniques, conduct basic criminal investigations, and execute correct pursuit and arrest procedures. Instruction will also include patrolling techniques, private operations, traffic investigations, and community relations.

**ACC MANUFACTURING TECHNOLOGY 1 (573V) 209928**

Grade 11

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

\$3 safety glasses

Prerequisites: Selection by Screening Committee

Course Description: This course is the first year of a two-year innovative PCCS program in which students experience manufacturing processes first-hand. Some of the training will be conducted on-site at the John Deere Harvester Works plant. Students will receive training on current production machines and equipment from experienced workers. John Deere employees will lead these students through a wide variety of educational experiences in order to teach technical skills as well as general employability skills. Management personnel conduct training seminars in areas such as teamwork and problem solving. Candidates for this program must have a proven history of good attendance. Applicants are selected through an interview process with John Deere Harvester Works staff. Qualifying seniors will receive a full scholarship at Black Hawk College.

**ACC MANUFACTURING TECHNOLOGY 2 (574V) 209927**

Grade 12

3.0 Credits

Full Year Course

Fees: \$5 each semester-lab

\$3 safety glasses

Prerequisites: Credit in ACC Manufacturing Technology 1.

Course Description: This course is the second year of a two-year innovative PCCS program in which students experience manufacturing processes first-hand. Some of the training will be conducted on-site at the John Deere Harvester Works plant. Students will receive training on current production machines and equipment from experienced workers. John Deere employees will lead these students through a wide variety of educational experiences in order to teach technical skills as well as general employability skills. Management personnel conduct training seminars in areas such as teamwork and problem solving. Candidates for this program must have a proven history of good attendance. Applicants are selected through an interview process with John Deere Harvester Works staff. Qualifying seniors will receive a full scholarship at Black Hawk College.



### **ACC WELDING 1 (570V) 209913**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$10 each semester-lab

\$3 safety glasses

\$7 gloves

In addition, students are expected to provide appropriate work clothes but they are not required to purchase specific items of clothing.

Prerequisites: None

Course Description: This course is the first year of a two-year program designed to make students employable as welders in local industry. The course provides instruction in common welding processes including oxy-acetylene, brazing, soldering, electric arc, MIG and TIG as well as in the preparation and layout of different welding joints, the care of expansion, contraction and stressing of metals, and the operation, care and repair of welding equipment. This class is eligible for dual credit through Black Hawk College.

### **ACC WELDING 2 (571V) 209914**

Grade 12

3.0 Credits

Full Year Course

Fees: \$10 each semester-lab

\$3 safety glasses

\$7 gloves

Students are expected to provide appropriate work clothes but they are not required to purchase specific items of clothing.

Prerequisites: Credit in ACC Welding 1

Course Description: This course is the second year of a two-year program designed to make students employable as welders in local industry. The course provides instruction in common welding processes including oxy-acetylene, brazing, soldering, electric arc, MIG and TIG as well as in the preparation and layout of different welding joints, the care of expansion, contraction and stressing of metals, and the operation, care and repair of welding equipment. This class is eligible for dual credit through Black Hawk College.

### **ACC WOODWORKING TRADES 1 (548V) 209933**

Grades 11 12

3.0 Credits

Full Year Course

Fees: \$12 each semester-lab

\$3 safety glasses

Material costs for individual projects

Prerequisites: None

Course Description: This course is the first year of a two-year program that prepares students as entry level cabinetmakers and millworkers. Students are introduced to both entry-level and advanced levels of cabinetry and the precision phases of the cabinetmaking trade. Units of study include machine set-up and safety, small box construction projects (jewelry and shadow boxes), kitchen cabinet construction, lathe-turned projects, furniture refinishing and repair, advanced joint techniques, and use and production of jigs and fixtures used in mass production. Life skills for career success including team building, problem solving, and career exploration are also taught.

### **ACC WOODWORKING TRADES 2 (549V) 209934**

Grade 12

3.0 Credits

Full Year Course

Fees: \$12 each semester-lab

\$3 safety glasses

Material costs for individual projects

Prerequisites: Successful completion of ACC Woodworking Trades 1

Course Description: This course is the second year a two-year program that prepares students as entry level cabinetmakers and millworkers. Students are introduced to both entry-level and advanced levels of cabinetry and the precision phases of the cabinetmaking trade. Units of study include machine set-up and safety, small box construction projects (jewelry and shadow boxes), kitchen cabinet construction, lathe-turned projects, furniture refinishing and repair, advanced joint techniques, and use and production of jigs and fixtures used in mass production. Life skills for career success including team building, problem solving, and career exploration are also taught.

# **AGRICULTURE**

## **INTRODUCTION TO AGRICULTURE INDUSTRY**

This orientation course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics will be presented. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

GRADE LEVEL: 9-10  
CREDIT: 1  
COURSE NUMBER: 017200  
PREREQUISITE: None

## **BASIC AGRICULTURAL SCIENCE**

This orientation course builds on basic skills and knowledge gained in the Introduction to Agriculture Industry course. Major units of instruction include agricultural research, soil science, advanced plant science, biotechnology, and advanced animal science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

GRADE LEVEL: 9-10  
CREDIT: 1  
COURSE NUMBER: 017201  
PREREQUISITE: Introduction to Agriculture Industry or Teacher Consent.

## **AGRICULTURAL MECHANICS AND TECHNOLOGY (course offered 2017-18 & 2019-20)**

This course will concentrate on expanding students' knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are: design, fabrication, maintenance, welding, and employability skills. Careers of agricultural welder, equipment designer, parts manager, safety inspector, welder, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017243  
PREREQUISITE: Introduction to Agriculture Industry and Basic Agricultural Science or Teacher Consent.

## **AGRICULTURE MACHINERY SERVICE (course offered 2017-18 & 2019-20)**

This comprehensive machinery service course concentrates on the following areas: using service manuals, fundamentals of multi-cylinder engines, assembling and adjusting agricultural equipment, human relations, and sales techniques. Careers such as agricultural equipment salesperson, mechanic, parts manager, sales manager, service technician, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017246  
PREREQUISITE: Introduction to the Agriculture Industry and Basic Agricultural Science or Teacher Consent.

## **TURF GRASS MANAGEMENT (course offered 2017-18 & 2019-20)**

This course focuses on turf segments of the horticulture industry and turf management. Also included are turf grass production, and small engine repair and maintenance. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017227  
PREREQUISITE: Introduction to the Agriculture Industry and Basic Agricultural Science or Teacher Consent.

### **LANDSCAPING DESIGN AND MAINTENANCE (course offered 2017-18 & 2019-20)**

This course focuses on the landscape and nursery. Units of student instruction include: identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017228  
PREREQUISITE: Introduction to the Agriculture Industry and Basic Agriculture Science or Teacher Consent.

### **AGRICULTURE COMMUNICATIONS (course offered 2017-18 & 2019-20)**

Students will analyze current agricultural issues and determine how they affect people on all sides of the issue. The students then learn and enhance their written and oral communication skills by presenting their views and opinions to the class. Students learn how to arrange and present debates, speeches, and interviews to be effective leaders in today's society. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017236  
PREREQUISITE: Introduction to Agriculture Industry and Basic Agriculture Science or Teacher Consent.

### **AGRICULTURAL LEADERSHIP (course offered 2017-18 & 2019-20)**

This course is designed to provide students with the knowledge and leadership experiences to help them become successful in life and in the workplace. Students will further enhance their potential for leadership development, personal growth, and career success. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017237  
PREREQUISITE: Introduction to Agriculture Industry and Basic Agriculture Science or Teacher Consent.

### **AGRICULTURAL BUSINESS MANAGEMENT (course offered 2018-19 & 2020-21)**

This course will develop students' understanding of the agricultural industry relating to the United States and World marketplace. Instructional units include: business ownership types, planning and organizing the agribusiness, financing the agribusiness, keeping and using records in an agribusiness, operating the agribusiness, agricultural law, taxes, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017244  
PREREQUISITE: Introduction to Agriculture Industry and Basic Agricultural Science or Teacher Consent.

### **AGRICULTURE CONSTRUCTION AND TECHNOLOGY (course offered 2018-19 & 2020-21)**

This course focuses on the knowledge, hands-on skills, and work place skills applicable to construction in the agricultural industry. Major units of instruction will include: personal safety, hand tools, power tools, blue print reading, surveying, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall and painting. Careers such as agricultural engineers, carpenter, plumber, electrician, concrete and block layers, finishers, safety specialists and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017248  
PREREQUISITE: Introduction to Agriculture Industry and Basic Agricultural Science or Teacher Consent.

### **HORTICULTURE SCIENCE (course offered 2018-19 & 2020-21)**

This course offers instruction in both the floriculture and landscape areas of horticulture. Units of study include plant identification, greenhouse management, culture of greenhouse crops, care and handling of cut flowers. Also included are installation and maintenance, horticulture mechanics, and nursery management. Agribusiness units will cover operating a horticulture business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017247  
PREREQUISITE: Basic Agricultural Science and Introduction to Agriculture Industry or Teacher Consent.

### **GREENHOUSE PRODUCTION AND MAINTENANCE (course offered 2018-19 & 2020-21)**

This course focuses on the greenhouse management and related segments of the horticulture industry. Major units of study include greenhouse structures, greenhouse production, and the culture of greenhouse crops. Also included are care and handling of cut flowers. Agribusiness units will be introduced in merchandising, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017229  
PREREQUISITE: Introduction to the Agriculture Industry and Basic Agricultural Science or Teacher Consent.

### **VETERINARY TECHNOLOGY (course offered 2018-19 & 2020-21)**

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017234  
PREREQUISITE: Introduction to Agriculture Industry and Basic Agriculture Science or Teacher Consent.

### **AGRICULTURAL BIOTECHNOLOGY (course offered 2018-19 & 2020-21)**

This course examines the agricultural applications of biotechnology; the use of living organisms to solve problems or make useful products. Applications include technologies used in bioprocessing, cell/tissue culture, genetic and protein engineering. Specific units of instruction include: impacts of biotechnology, genetics, and biotechnology in plant, animal, and microbial science. Students are provided with information needed for considering a career in the emerging occupation of agriculture biotechnology technician. Additional opportunities include employment in the laboratory performing tissue culture or DNA synthesis, caring for animals in research settings, performing plant field trials, or growing plants in research greenhouses and growth chambers. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 017235  
PREREQUISITE: Introduction to Agriculture Industry and Basic Agriculture Science or Teacher Consent.

### **SUPERVISED AGRICULTURAL EXPERIENCE (SAE) I**

This course is designed to establish knowledge and skills in various agricultural careers. Students will establish a project at their home, at a local business, or at their school after normal school hours. Students will be required to verify their experiences by keeping written or computerized records including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted to the student's home or place of employment. SAE records should be evaluated at least once per month. In addition, SAE lessons are integrated in each agricultural course. SAE participation can lead to fulltime employment, scholarships, and awards through the FFA.

GRADE LEVEL: SAE I: 9-10  
CREDIT: None  
COURSE NUMBER: SAE 1  
PREREQUISITE: Approval required from department head.

## **SUPERVISED AGRICULTURAL EXPERIENCE (SAE) II**

This course is designed to establish knowledge and skills in various agricultural careers. Students will establish a project at their home, at a local business, or at their school after normal school hours. Students are encouraged to add additional projects, experiences, scope, and growth involving managerial and decision making skills. Students will be required to verify their experiences by keeping written or computerized records including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth. Instructor supervision will be conducted to the student's home or place of employment. SAE records should be evaluated at least once per month. In addition, SAE lessons are integrated in each agricultural course. SAE participation can lead to fulltime employment, scholarships, and awards through the FFA.

GRADE LEVEL: SAE I: 11-12  
CREDIT: None  
COURSE NUMBER: SAE 2  
PREREQUISITE: SAE I and approval of department head.

## **ART**

### **ART CLASSES -**

Enrollment in Art classes is based upon student interest. As there is much individual project work in these courses, students must be able to keep themselves on task and strive to complete projects. **Introduction to Art** is a prerequisite for all other courses.

### **INTRODUCTION TO ART**

The purpose of an **Introductory Art** class is to be introduced to the elements of art and principles of design, which are the basis for most artwork. Students will combine the knowledge of elements and principles with the learning of many techniques as the year progresses. Focus is also placed on famous artists from different art movements and what the differences are amongst these. Students will work towards mastering art skills while exploring their own creativity. Some of the topics and techniques that are covered during the year are different drawing foundations, watercolor painting, acrylic painting, sculpture, design, collage, paper Mache, ceramics, some art history, and learning to appreciate art.

GRADE LEVEL: 9-10-11  
12 (with written permission of the instructor and guidance counselor)  
CREDIT: 1  
COURSE NUMBER: 046008  
PREREQUISITE: None

### **ART II**

Art II is designed to expand knowledge and sharpen skills learned during Intro to Art. Students will review elements of art, principles of design, and techniques. More focus on applying the elements and principles, while emphasizing creativity, to their artwork will be expected. Students will learn how to perform and participate in critiquing of artwork done by themselves and their classmates. Students will be required to turn in a sketchbook assignment twice per month on due dates determined by the teacher. References to some famous artists will be made in relation to certain projects. This course consists of a drawing unit (shading, hatching, cross-hatching), acrylic painting unit, watercolor painting unit, symmetrical design, and web page design are some of what is covered. Gaining a higher understanding of art, developing new skills, and the production of high quality artwork is the goal for the student.

GRADE LEVEL: 10-11-12  
CREDIT: ½  
COURSE NUMBER: 046210  
PREREQUISITE: Intro to Art

### **CERAMICS**

Ceramics is designed to introduce students to various hand-building techniques and terminologies of clay. The semester begins with students learning about and creating pinch pots, coil pots, and a slab project. We explore the use of different types of clay, such as earthenware, air dry, and terra-cotta. Learning to create a box using slab construction, creating coral reefs from air dry clay, and making hollow forms such as a fish, are some more complex projects we will be doing.

GRADE LEVEL: 10-11-12  
CREDIT: ½  
COURSE NUMBER: 046209  
PREREQUISITE: Intro to Art

## **STUDIO ART**

Studio Art is an independent program for students who have taken Intro to Art and Art II, and have passed the mentioned classes with a B average. This class is designed for the student who has identified art as an area in which they have strength and abundant interest. Students who elect to take this course should regard the course as the first semester of a two-semester process. Students who complete two semesters will have a finished portfolio containing 14-16 pieces. Students wishing to enroll must fill out an application form. Students must maintain a B+ average to take the subsequent semester. A third semester may be taken upon reapplication and availability.

GRADE LEVEL: 11-12  
CREDIT: ½  
COURSE NUMBER: 046607  
PREREQUISITE: Three semesters of high school art (Intro to Art & Art II) with a “B” average in Art II. (Students must take Art II before they can take Studio Art. Ceramics does not make up for Art II).

## **BUSINESS EDUCATION**

### **KEYBOARDING**

Keyboarding is a one-semester course designed to provide an opportunity to learn to touch type using correct technique, develop speed, and increase accuracy. Knowing how to keyboard fast is almost a necessity in school and the business world. Students and employees are being asked to create reports, letters, tables, lists, business plans, blogs, web content, and more. Knowing how to type can save you hours of valuable work time.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 025249  
PREREQUISITE: None

### **COMPUTER APPLICATIONS I**

This introductory course will build student understanding of computer terminology, digital citizenship, hardware, and software applications. Emphasis is placed on creating documents, presentations, and spreadsheets. Students will apply what they learned in a 20% project. The project will benefit themselves, the community, or charity and illustrate their understanding of learned material.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 25250  
PREREQUISITE: None

### **COMPUTER APPLICATIONS II**

Computer Applications II will not only reinforce skills learned in Computer Applications I but also focus on the business world and trending technologies. Students will be required to create their own business, develop corresponding documents, and use a variety of software applications. This class will provide students with hands-on experiences and projects that will allow them to gain a strong understanding of personal computers and technology advancement.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 25251  
PREREQUISITE: Computer Applications I

### **DESKTOP PUBLISHING (Weighted)**

Desktop Publishing is a weighted course that is project based. It will prepare students to use computer software to design and create a number of different document types including web based, printed, 3D printing, and augmented reality. Projects include the athletic program, music programs, flyers for school organizations, and much more.

GRADE LEVEL: 11-12 (10 with written permission of the instructor and guidance counselor)  
CREDIT: 1/2  
COURSE NUMBER: 025348  
PREREQUISITE: Computer Applications II

### **WEB PAGE DESIGN (Weighted)**

Web Page Design is a weighted course that introduces students to basic web design. Throughout the course students are introduced to planning and designing effective web pages, writing code, text formatting, image manipulation, multimedia, and producing a functional, multi-page website. The course progresses from introductory work on web design to a culminating project in which students design and develop websites for local community organizations.

GRADE LEVEL: 11-12 (10 with written permission of the instructor and the guidance counselor)  
CREDIT: 1/2  
COURSE NUMBER: 25252  
PREREQUISITE: Computer Applications II

## **RECORDKEEPING**

This is a one semester course to prepare students for activities in the business office, and at the same time to have students become better record keepers of their own personal affairs. We will specifically use the Keeping Financial Records for Business text will help give us a thorough background in the basic record keeping skills used in business. The skills presented will also serve as a sound background for employment in office jobs. Organizational strategies, business records, personal cash records, club records, tax records, handling cash and bank records, social security records and many common business forms will be included. Student materials will include a text book and a personally assigned workbook. Students will complete daily “jobs” from the text and workbook. We will also address and practice business vocabulary and math assignments that relate to the current days “job.”

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 025507  
PREREQUISITE: None

## **ACCOUNTING IA**

Accounting is useful to everyone. Owners and managers need accounting to understand the businesses they are running. Sales and office clerks complete accounting forms and prepare accounting reports. Secretaries take dictation using accounting terms and may be required to perform accounting functions. All persons can use accounting in personal financial activities. Computer applications can be integrated throughout the course. It is felt that two semesters are needed to get a student to the point where accounting can be of use in his/her personal life, business life, or for advanced study of business or accounting. Student materials will include a text book and a personally assigned workbook. Students will complete Study Guides over material covered as well as complete “work together” problems done together as a class, “On Your Own” problems done alone and then shared and discussed as a whole group, and finally application, mastery, and challenge problems completed on the students own as grades.

GRADE LEVEL: 10-11-12  
CREDIT: 1/2 credit per semester  
COURSE NUMBER: 025569  
PREREQUISITE: None

## **ACCOUNTING IB**

Accounting IB continues with a study of previously learned principles as they apply to more complicated types of business organizations learned in Accounting 1A. Accounting procedures, principles, and terminology are built upon in a different type of business ownership. More financial statements are introduced. It is felt that two semesters are needed to get a student to the point where accounting can be of use in his/her personal life, business life, or for advanced study of business or accounting.

GRADE LEVEL: 10-11-12  
CREDIT: 1/2 credit per semester  
COURSE NUMBER: 025570  
PREREQUISITE: Accounting 1A with C average or better.

## **ACCOUNTING IIA (Weighted)**

This course builds upon the foundation established in Accounting I. This course is planned to develop a deeper knowledge of the principles of accounting with more emphasis placed on financial statements and their interpretation. Computer applications are integrated throughout the course.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 025589  
PREREQUISITE: Accounting IB with C average or better.

## **ACCOUNTING IIB (Weighted)**

Accounting continues with a study of previously learned principles as they apply to more complicated types of business organizations. Students will become familiar with specialized fields of accounting such as cost accounting for manufacturing businesses and accounting for branch offices. Computer applications are integrated throughout the course.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 025590  
PREREQUISITE: Accounting IIA with C average or better.

## **ENTREPRENEURSHIP**

This course will explore the process of running a business of one's own. Basic economic principles will be studied in the first half of the course. Types of economic systems, Free Enterprise in the United States, scarcity, supply & demand, market clearing price, competition, and financial institutions are some of the topics discussed. Skills an entrepreneur needs will be focused upon in the second half of the course. Skills entrepreneurs need, selecting a type of ownership, developing a business plan, financing, protecting, and managing a staff will be topics focused on. This class will have a text book and a workbook, and students will also complete assignments on the computer dealing with the issues discussed. Students will also be assigned presentations during the second half of the class. Students will also have time to participate in or play computer based games on business start-up and simulations.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 025667  
PREREQUISITE: None

## **CONSUMER EDUCATION**

This course presents the commonplace functions of business or personal finances that everyone will experience in his/her personal life. This course can also provide background for those students who plan further study in business and/or economics. Units include: Help getting a job (interview hints/tips, resume), Banking, Income Tax, Credit, Budgeting, Saving and Investing, Insurance. Students will be able to show their understanding of topics discussed by completing assignments/tasks from the text, a workbook, and computer. Students will also complete real-life tasks such as, resumes, employee withholding worksheets, budgets, 1040EZ tax returns, interest rate problems, compound interest for savings, and writing checks and keeping track of bank records.

GRADE LEVEL: 11-12 (required)  
CREDIT: 1/2  
COURSE NUMBER: 025887  
PREREQUISITE: None

## **DUAL CREDIT COURSES**

**DUAL CREDIT COURSES:** - are offered to senior students. (Juniors have the opportunity to take the Dual Credit Music Appreciation Class.) College credit is offered through Black Hawk College or Muscatine Community College and is transferable to most Colleges and Universities

## **DUAL CREDIT AGRICULTURE**

### **ANIMAL SCIENCE (Weighted)**

This class is designed to provide students with a better understanding of the practices of feeding programs, housing requirements, reproduction programs, gestation periods, sanitation and disease control problems and background knowledge needed to become better engaged in the livestock production enterprises.

GRADE LEVEL: 11-12  
CREDIT: 1 (RR) / 3 SH (BHE)  
COURSE NUMBER: DAg 1  
PREREQUISITE: Introduction to Agriculture Industry and Basic Agricultural Science or teacher approval.

### **GREENHOUSE PRODUCTION (Weighted)**

This course focuses on the greenhouse management, floral design, and related segments of the horticulture industry. Major units of study include floriculture plant identification, greenhouse structures, and the culture of greenhouse crops. Also included are care and handling of cut flowers, principles of art applied to floral design, and the mechanics of floral design. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a retail floral business. Improving computer and workplace skills will be a focus.

GRADE LEVEL: 11-12  
CREDIT: 1 (RR) / 3 (BHE)  
COURSE NUMBER: DAg 2  
PREREQUISITE: None

## **DUAL CREDIT ENGLISH**

### **ENGLISH 101 (Composition I) (Weighted)**

This is a semester long college level course designed for students who are competent in the fundamentals of composition. Students will do an extensive amount of writing involving essays using a variety of expository strategies and will apply standard techniques of documentation when appropriate. Students will purchase their textbooks for this course. Successful completion of the course will earn the student 3 credit hours of college credit through Black Hawk College.

GRADE LEVEL: 12  
CREDIT: 1 (RR) / 3 SH (BH)  
COURSE NUMBER: DEn 101  
PREREQUISITE: Successful writing score on the COMPASS test.



### **ENGLISH 102 (Composition II) (Weighted)**

This is a semester long college level course which is a continuation of English 101. This composition course involves reading, discussion, and analysis of a body of literature to generate ideas for critical and persuasive papers, including one documented research paper. Students will purchase their textbooks for this course. Successful completion of the course will earn the student 3 credit hours of college credit through Black Hawk College.

GRADE LEVEL: 12

CREDIT: 1 (RR) / 3 SH (BH)

COURSE NUMBER: DEEn 102

PREREQUISITE: Grade of "C" or better in English 101. Students who do not earn a grade of "C" or better, or who choose not to continue with English 102, will be required to enroll in English IV second semester.

## **DUAL CREDIT MUSIC**

### **MUSIC APPRECIATION (Weighted)**

This class is for non-music majors only. We will study literature of Western art music emphasizing important composers and prevailing styles of various eras. In addition, we will cover history of jazz, rock, pop, and world music and their importance and relevance in Western and world culture. Listening skills will be developed. Classroom activities will include listening, reading, note-taking and demonstration. - This course meets a humanities (Fine Arts) requirement in the Associate in Arts degree and Associate of Science degree. It may be used as an elective and will transfer to upper division institutions.

GRADE LEVEL: 11-12

CREDIT: 1 (RR) / 3 SH (BH)

COURSE NUMBER: DMu 154

PREREQUISITE: Successful reading score on the COMPASS test.

## **DUAL CREDIT SOCIAL STUDIES**

### **HISTORY 105 (History of the United States to 1865) (Weighted)**

This is a semester long college level survey history of the United States from the discovery of America through 1865. Successful completion of the course will earn the student 3 credit hours of college credit through Black Hawk College. The course will focus on the nation's beginning, settlement and Westward expansion, the development of the American government, the growth of the American economy, the evolution of an American style of life and thought, and the development of sectionalism culminating in the Civil War. Students will purchase their textbooks for this course. Additional readings beyond the textbook will be required. A detailed syllabus of course requirements will be made available by the instructor.

GRADE LEVEL: 12

CREDIT: 1 (RR) / 3 SH (BH)

COURSE NUMBER: DHi 251

PREREQUISITE: Successful reading score on the COMPASS test.

### **HISTORY 106 (History of the United States since 1865) (Weighted)**

This is a semester long college level survey history of the United States from the end of the Civil War to the present. Successful completion of the course will earn the student 3 credit hours of college credit through Black Hawk College. The course examines the rise of the United States as a major world power, the continued growth and development of the federal government, efforts to improve the status of minorities and women, growth of the economy, and the changing pattern of American life. Students will purchase their textbooks for this course. Additional readings beyond the textbook will be required. A detailed syllabus of course requirements will be made available by the instructor.

GRADE LEVEL: 12

CREDIT: 1 (RR) / 3 SH (BH)

COURSE NUMBER: DHi 252

PREREQUISITE: Successful reading score on the COMPASS test.

## **ENGLISH**

**ENGLISH CLASSES** - four years of credit, with a minimum of 8 semesters, are required for graduation

**BASIC ENGLISH CLASSES**-The aim of the Basic English Curriculum is to refine and improve the skills of students who struggle academically in writing and reading comprehension. We will move at a pace that is conducive to the learning for students while getting progressively more challenging. These courses are designed to help students achieve an academic understanding of literature and writing in a regular education setting.

### **BASIC ENGLISH I**

This course is designed for students to work on functional grammar, the elements of story and the writing process. It also includes work with Greek and Latin roots to enhance vocabulary development. Students will likely be reading the play *Romeo and Juliet*, and the novel *The Outsiders*. Students will also research a career and present the information in class.

GRADE LEVEL: 9  
CREDIT: 1  
COURSE NUMBER: 030908  
PREREQUISITE: Recommendation of a team including, but not limited to, the regular English teacher, Basic English teacher, and Counselor.

### **ENGLISH I**

This course is a comprehensive study of a variety of literature, writing styles, Greek and Latin roots, and practical grammar. It includes the study of fictional short stories, drama, poetry, novels and essays. Some specific texts that we will likely be reading include; *Romeo and Juliet*, *Of Mice and Men*, and *The Outsiders*. Throughout the course, students will be required to do extensive writing, including the completion of a career research paper.

GRADE LEVEL: 9  
CREDIT: 1  
COURSE NUMBER: 030108  
PREREQUISITE: None

### **BASIC ENGLISH II**

This course continues the work on more complex grammar structures and writing skills development. There will be additional work with Greek and Latin roots, along with preparing for the SAT tests. The literature will include more contemporary short stories, plays and novels. Students will complete and present a Career Research Power Point Project.

GRADE LEVEL: 10  
CREDIT: 1  
COURSE NUMBER: 030918  
PREREQUISITE: Recommendation of a team including, but not limited to, the regular English teacher, Basic English teacher, and Counselor.

### **ENGLISH II**

The material studied includes grammar, vocabulary roots, literature, dictionary, library skills, and speech. Students will read and analyze a variety of novels, short stories, poetry, and other literature based on their interest and ability. At the end of each semester, a semester exam will be given.

GRADE LEVEL: 10  
CREDIT: 1  
COURSE NUMBER: 030118  
PREREQUISITE: Passing grades in English I.

### **ADVANCED ENGLISH II (Weighted)**

This course combines the study of grammar, poetry, composition, literature, Greek and Latin roots, and speech. Students in this course should expect to learn a broad range of English/Language Arts terms, skills, and applications and to write for a broad range of purposes. This course focuses on responding to literature and demands a large amount of work to be done outside the classroom. Major literary works studied may include *The Great Gatsby* and *Julius Caesar*. This course is designed for the student with advanced ability in English skills.

GRADE LEVEL: 10  
CREDIT: 1  
COURSE NUMBER: 030119  
PREREQUISITE: Written permission of English I instructor and Guidance Counselor and "B" average in English I.

### **BASIC ENGLISH III**

This course focuses heavily on reading and responding to American Literature, preparing for SAT testing, applying Greek and Latin roots, and completing a career research project. Major literary works studied may include *The Crucible* and *Fahrenheit 451*. This course will include writing a number of short essays and write-ups, with one lengthy paper required. Attention is also given second semester to exploring a variety of post-secondary training path options including school-to-work, 2-year community college, 4-year public & private college/university, apprenticeship, military, academy, technical school, and specialty school.

GRADE LEVEL: 11  
CREDIT: 1  
COURSE NUMBER: 030928  
PREREQUISITE: Recommendation of a team including, but not limited to, the regular English teacher, Basic English teacher, and Counselor.

### **ENGLISH III**

English III is a year course of study of American Literature, composition, and SAT preparation. American Literature is taught with an historical emphasis, and students are expected to use good speaking and listening skills to contribute towards small group and large group discussions. Composition includes an emphasis on writing a research paper first semester and writing a narrative short story second semester. Attention is also given second semester to exploring a variety of post-secondary training path options including school-to-work, 2-year community college, 4-year public & private college/university, apprenticeship, military, academy, technical school, and specialty school.

GRADE LEVEL: 11  
CREDIT: 1  
COURSE NUMBER: 030208  
PREREQUISITE: Passing grades in any level of English II.

### **ADVANCED ENGLISH III (Weighted)**

This course is similar to the English III curriculum; however expectations are higher regarding the amount of independent reading, writing, and group discussion interactions. Students will be expected to work courteously and cooperatively with other students on a regular basis. Additional major literary works studied may include *The Crucible*, *To Kill a Mockingbird*, and *Fahrenheit 451*. This course is available to 11th grade students who have grade-level proficiency reading level and who have either passed Advanced English II with a C- or higher or who have written permission from the English Department and Guidance Counselor.

GRADE LEVEL: 11  
CREDIT: 1  
COURSE NUMBER: 030209  
PREREQUISITE: Advanced English II (C- average minimum) or written permission from English department and guidance counselor.

### **BASIC ENGLISH IV**

This course focuses heavily on preparing students for life beyond high school. Students in this course will learn strategies for reading for a variety of purposes in addition to studying historically important English texts, Greek and Latin roots, job seeking and application skills, public speaking, and writing for a variety of purposes. Writing for practical purposes will be emphasized in each semester. Major literary works studied may include Beowulf, The Iliad, and To Kill a Mockingbird. This course requires some work outside of the classroom, especially in regard to reading and responding to novels.

GRADE LEVEL: 12  
CREDIT: 1  
COURSE NUMBER: 030938  
PREREQUISITE: Recommendation of a team including, but not limited to, the regular English teacher, Basic English teacher, and Counselor.

### **ENGLISH IV (Applied Communication)**

This course focuses heavily on preparing students for life beyond high school. Students in this course will learn strategies for reading for a variety of purposes in addition to studying historically important English texts, Greek and Latin roots, job seeking and application skills, public speaking, and writing for a variety of purposes. Writing for practical purposes will be emphasized in each semester. Major literary works studied may include Beowulf, The Iliad, The Canterbury Tales, Fahrenheit 451, and To Kill a Mockingbird. This course requires some work outside of the classroom, especially in regard to reading and responding to novels.

GRADE LEVEL: 12  
CREDIT: 1  
COURSE NUMBER: 030218  
PREREQUISITE: Passing grades in any level of English III.

### **ADVANCED ENGLISH IV (Weighted)**

This year-long college preparatory class is open to seniors who have a grade-level proficiency reading level and who have either passed Advanced English III with a C- average or higher OR who have written permission from the English department and guidance counselor. This course focuses on British and world literature, beginning with Anglo-Saxon England and ending with modern literature, and demands a large amount of work to be done outside the classroom. Students will develop a portfolio of advanced-level writing with an emphasis on expository composition, and a major research project is required that will incorporate extensive research techniques and multiple genres of writing. A C- average must be maintained at each semester grading period in order to remain in the course

GRADE LEVEL: 12  
CREDIT: 1  
COURSE NUMBER: 030219  
PREREQUISITE: Advanced English III (C- average minimum) or written permission from English department and guidance counselor.

### **PUBLICATIONS I**

Students will learn to complete journalistic contributions for *Tempus Fugit* (yearbook) and *The Rocketeer* (newspaper) including news stories, opinion columns, photos, photo slide presentations, and video segments. Because the publication is web-based, students will learn and utilize graphic design and web page development skills. Because publications will attempt to include video segments, students will learn and utilize videography and video production equipment. Students will also participate on advertising teams during first semester, which entail contacting and presenting advertising options to area businesses. Some work outside the regular school day is required in order to cover various school events and activities, as students will be assigned a journalistic contribution towards *The Rocketeer* approximately every two weeks.

**NOTE:** 15 total publications students are needed to produce both *The Rocketeer* and *Tempus Fugit*. If fewer than 15 students enroll in Publications, efforts of the course will be focused exclusively on *Tempus Fugit*.

GRADE LEVEL: 10-11-12  
CREDIT: 1  
COURSE NUMBER: 30792  
PREREQUISITE: None

### **PUBLICATIONS II (weighted)**

Students will utilize skills learned from their first year in Publications, while serving in leadership roles for *The Rocketeer*, the high school online newspaper. As leaders, these students will assign contribution ideas to other students, and they will be responsible for the layout of *The Rocketeer*. They may also be required to make a contribution to *The Rocketeer* approximately every two weeks. Students will also be responsible for assigned spreads in *Tempus Fugit*, so they will learn how to use the publisher's software program to design the yearbook pages. Students will also participate on advertising sales teams. Some work outside the regular school day is required in order to cover various school events and activities.

**NOTE:** 15 total publications students are needed to produce both *The Rocketeer* and *Tempus Fugit*. If fewer than 15 students enroll in Publications, efforts of the course will be focused exclusively on *Tempus Fugit*.

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 30793  
PREREQUISITE: Publications I

### **PUBLICATIONS III (weighted)**

Students serve in leadership roles for *Tempus Fugit*, the high school yearbook. Students will serve as supervisors of assigned sections of the yearbook, which may require additional training and planning sessions completed in the summer preceding the school year. These students will also be responsible for assigned spreads in *Tempus Fugit*. These students will serve as leaders of advertising sales teams, and may occasionally be needed to make a contribution to *The Rocketeer*. Some work outside the regular school day is required in order to cover various school events and activities.

**NOTE:** 15 total publications students are needed to produce both *The Rocketeer* and *Tempus Fugit*. If fewer than 15 students enroll in Publications, efforts of the course will be focused exclusively on *Tempus Fugit*.

GRADE LEVEL: 12  
CREDIT: 1  
COURSE NUMBER: 30794  
PREREQUISITE: Publications I & II

### **ENGLISH IV (Applied Publications)**

Students will apply language arts and journalism skills to complete effective contributions for the high school publications – *The Rocketeer* and *Tempus Fugit*. Examples of contributions include news stories, opinion columns, photos, photo slide presentations, and video segments. Students will also assist publications staffers with layout – using graphic design skills to create visually appealing yearbook spreads and online newspaper spreads. In addition students will also participate on advertising teams, which entail contacting clients and completing advertising presentations to area businesses. Finally, students will analyze literature (fiction and nonfiction reading) and/or films incorporated into the class quarterly to develop a better understanding and appreciation of the value of journalism. Some work outside the regular school day is required in order to cover various school events and activities. Students wishing to enroll must fill out an application form and may be required to interview.

**NOTE:** 15 total publications students are needed to produce both *The Rocketeer* and *Tempus Fugit*. If fewer than 15 students enroll in Publications, efforts of the course will be focused exclusively on *Tempus Fugit*.

GRADE LEVEL: 12  
CREDIT: 1  
COURSE NUMBER:  
PREREQUISITE: none

### **PUBLIC SPEAKING**

This is a basic course which includes the study of the physical process of speech, the elements of good speaking, the job interview, and the five basic types of speeches. Emphasis will be placed upon preparation for speeches and actual speaking assignments.

GRADE LEVEL: 10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 030467  
PREREQUISITE: None

## FOREIGN LANGUAGE

### **The following are methods that will be used in Spanish I and French I-IV**

- Reading dialogues, short stories and mini-novels
- “Personal Questions and Answers” (listening to questions and responding in French)
- Storytelling/Acting
- Videos
- Music
- Writing short-stories, dialogues and summaries
- Cultural research projects.

### **SPANISH I**

Spanish I is an introductory course to the Spanish language and Hispanic cultures. The course focuses on learning the most frequently used Spanish words through reading, writing and listening comprehension. Students are expected to respond to and share information in the Spanish language. The following are methods that will be used in Spanish I: Reading dialogues, short stories, mini novels, “Personal Questions & Answers” (listening to questions and responding in Spanish), storytelling/acting, videos, music, writing short stories, dialogues, & summaries, and cultural research projects in English.

GRADE LEVEL: 9-10-11-12

CREDIT: 1

COURSE NUMBER: 054408

PREREQUISITE: A grade of C or better in current English Class. (Exceptions may be made with written permission of the instructor)

### **SPANISH II**

Spanish 2 is the continuation of Spanish 1. Students are expected to have a solid grasp of the basic vocabulary and structures taught in Spanish 1. Students are instructed in the target language for the majority of the time. Students will build upon their base vocabulary/structures throughout the year via **Comprehensible Input**. Comprehensible Input means students are taking in the language (listening and reading) while also being able to understand it. This leads to fluency. Students are provided with Comprehensible Input by these methods: “Personal Questions and Answers” (discussion using the targeted structures); Storytelling/Acting; Reading (mini-readings and novels); Videos; Music (one song per week, quiz at the end of week)

GRADE LEVEL: 10-11-12

CREDIT: 1

COURSE NUMBER: 054418

PREREQUISITE: A grade of C or better in Spanish I. (Exceptions may be made with written permission of the Instructor).

### **SPANISH III (Weighted)**

Spanish 3 is the continuation of Spanish 2. Students are expected to have a solid grasp of the basic vocabulary and structures taught in Spanish 1 and 2. Students are instructed in the target language for an even greater percentage of the time and need to be able to comprehend longer sentences and more difficult structures. Students are also expected to speak in the target language to a greater degree. Students will build upon their vocabulary/structures throughout the year via **Comprehensible Input**. The course will be instructed in the same manner as Spanish 2, but with longer readings and more complex oral input. Students are expected to be able to read independently to a greater degree.

GRADE LEVEL: 11-12

CREDIT: 1

COURSE NUMBER: 054458

PREREQUISITE: A grade of C or better in Spanish II. (Exceptions may be made with written permission of the Instructor).

### **SPANISH IV (Weighted)**

Spanish 4 is the continuation of Spanish 3. Students are expected to have a solid grasp of the vocabulary and structures taught in the preceding courses. Students are instructed in the target language almost exclusively and need to be able to comprehend lengthier and less-sheltered language. Student responses are expected to be in the target language the majority of the time. Students will build upon their vocabulary/structures throughout the year via **Comprehensible Input**. The course will be instructed in the same manner as Spanish 3, but with less-sheltered input (a greater variety of vocabulary and structures). Students are expected to be able to read independently.

GRADE LEVEL: 12

CREDIT: 1

COURSE NUMBER: 054478

PREREQUISITE: A grade of C or better in Spanish III. (Exceptions may be made with written permission of the Instructor).

## **FRENCH II**

French II is a continuation course of French language and Francophone cultures. The course focuses on learning the most frequently used French words through reading, writing, and listening comprehension. Students are expected to be able to respond to and share information in the French language. The following are methods that will be used in French II: Reading dialogues, short stories, mini novels, "Personal Questions & Answers" (listening to questions and responding in French), storytelling/acting, videos, music, writing short stories, dialogues, & summaries, and cultural research projects in English.

GRADE LEVEL: 10-11-12

CREDIT: 1

COURSE NUMBER: 054428

PREREQUISITE: A grade of C or better in French I. (Exceptions may be made with written permission of the instructor)

## **FRENCH III (Weighted)**

French III builds upon language skills developed in French II. It is an upper level course of the French language and Francophone cultures. The course focuses on learning the most frequently used French words through reading, listening comprehension, writing and speaking. Students in this class will read one mini-novel per quarter with the class and three mini-novels independently. In addition, students will research various topics such as music, film, important Francophone cities and current events in Francophone cultures. Most research projects will be presented using PowerPoint or Slides on Google Docs. Students will be quizzed over their peers' projects. Cultural projects and assessments will be in both French and English.

GRADE LEVEL: 11-12

CREDIT: 1

COURSE NUMBER: 054528

PREREQUISITE: A grade of C or better in French II. (Exceptions may be made with written permission of the instructor)

## **FRENCH IV (Weighted)**

French IV is a continuation of French III. The course focuses on mastering the most frequently used French words. Students will improve and build their French language skills through listening, reading, writing and speaking activities. Students in this class will read one mini-novel per quarter with the class and four mini-novels individually. Students will research various topics such as music, film, important Francophone cities and current events in Francophone cultures. Most research projects will be presented using PowerPoint or Slides on Google Docs. Students will be quizzed over their peers' projects. Cultural projects and assessments will be in both French and English.

GRADE LEVEL: 12

CREDIT: 1

COURSE NUMBER: 054548

PREREQUISITE: A grade of C or better in French III. (Exceptions may be made with written permission of the instructor)

# **HEALTH/DRIVER EDUCATION/PHYSICAL EDUCATION**

**HEALTH, DRIVER EDUCATION, PHYSICAL EDUCATION** - Four years of physical education are required for graduation.

Freshmen must enroll in health and sophomores must enroll in driver's education. Freshmen that are enrolled in health are not required to take physical education that semester.

## **BASIC HEALTH**

This course is designed for student (mainly special education students) to learn the basic concepts of health at a slower pace. Emphasis is placed on the Health aspects of emotional health, decision making, bullying prevention, sex education, and personal health.

GRADE LEVEL: 9 (required)

CREDIT: 1/2

COURSE NUMBER: 098016

PREREQUISITE: None

## **HEALTH**

This freshmen level course deals with comprehensive health education curriculum and consist of planned learning experiences which will help students achieve desirable attitudes and practices related to critical health issues. Some of these are: Mental/Emotional Health, Drug and Substance Abuse, (including Anabolic Steroids), Sex Education, Violence Prevention and Conflict Resolution, Cancer Instruction, Bullying and Internet Safety.

GRADE LEVEL: 9-10 (required)

CREDIT: 1/2

COURSE NUMBER: 098017

PREREQUISITE: None

## **DRIVER EDUCATION**

A study of the information necessary to develop youthful traffic citizens who will be safe, competent and responsible drivers, cyclists, passengers and pedestrians. The laboratory phase will attempt to provide educational experiences which will give pupils the knowledge, skills, and most importantly, the attitudes necessary for safe and efficient motor vehicle operation.

GRADE LEVEL: Second semester 9th and First semester 10th (required)

CREDIT: 1/2

COURSE NUMBER: 098916 (Summer Driving)  
098917 (First Semester)  
098918 (Second Semester)

PREREQUISITE: Students must be age 15. The State of Illinois requirements dictate that students must receive passing grades in at least 8 academic courses during the previous 2 semesters to be eligible to take driver's education.

## **PERSONAL CONDITIONING/WELLNESS CLASS**

This class is a fitness oriented class to develop the body and mind of the student. Students will acquire knowledge and enhance skills in developing a personal fitness program, knowledge base of the human body and knowledge of what muscles get worked by the exercise they do. This includes but is not limited to: weightlifting, cardio workouts, knowledge base of the human body, teambuilding and core strength. Students will be required to create their own workout plan they will use for the remainder of the semester.

GRADE LEVEL: 10-12

CREDIT: 1/2 credit per semester

COURSE NUMBER: 098307 (S1) & 098308 (S2)

PREREQUISITE: None

## **PHYSICAL EDUCATION**

This course is designed for students to be taught the various components of Physical Education. Students will acquire knowledge and enhance skills in personal fitness, sports/ games, and recreational activities. This includes but is not limited to: cardiovascular training, weight lifting, physical fitness testing, traditional indoor/outdoor sports, and net sports.

GRADE LEVEL: 9-10-11-12 (required)

CREDIT: 1/2 credit per semester

COURSE NUMBER: 98309 (S1) & 98310 (S2)

PREREQUISITE: None

# **INDUSTRIAL ARTS**

## **COMMUNICATION TECHNOLOGY**

Communication technology is a course designed to foster an awareness and understanding of the technologies used to communicate in our modern society. Students will gain experience in the areas of design and drafting, radio and television broadcasting, computers in communication, photography, graphic arts, and telecommunications.

GRADE LEVEL: 9-10

CREDIT: 1/2

COURSE NUMBER: 077608

PREREQUISITE: None

## **PRODUCTION TECHNOLOGY AND ENERGY**

The first nine weeks will focus on different forms of energy such as solar, wind, geothermal, electricity and fossil fuels. We will also look at ways to conserve energy and our natural resources. The second nine weeks will focus on production, designed to foster an awareness and understanding of manufacturing and construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Experiences in manufacturing include product design, materials and processes, tools and equipment, including computers, safety procedures, corporate structure, management, research and development, production planning, mass production, marketing and servicing.

GRADE LEVEL: 9-10

CREDIT: 1/2

COURSE NUMBER: 077609

PREREQUISITE: Communication Technology

## **WOODWORKING PRODUCTION IA**

This is a beginning course in basic hand and machine woodworking. This course covers basic hand tools and operations necessary in the carpentry trades, basic machine operations, furniture construction methods and finishing methods. Each student will make a project. Emphasis is placed on safe operation of woodworking equipment. Cabinet furniture is used as a media for training.

GRADE LEVEL: 10-11-12

CREDIT: 1/2

COURSE NUMBER: 077615

PREREQUISITE: Production Technology & Communication Technology

### **WOODWORKING PRODUCTION IB**

This is a woodworking production course in which students refine their skills through projects and group work. A student may increase his knowledge of machine operations, furniture construction methods and application of finish by spraying. Special attention will be given to those machine operations necessary in the carpentry trades. Particular emphasis is placed on safe operation of woodworking equipment. Group work includes the construction of cabinet furniture or other kinds of mass-produced wooden products as a media for training.

GRADE LEVEL: 10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 077616  
PREREQUISITE: Woodworking Production IA

### **WOODWORKING PRODUCTION IIA**

This is a course designed to allow students to further develop their skills in furniture and cabinet construction. This course will allow students to further explore the cabinet industry as a possible career. Students will select and construct cabinet grade projects. Special emphasis is placed on advanced wood joinery techniques. Students will increase their skills in advanced machine setup as well as construction of jigs and fixtures.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 077620  
PREREQUISITE: C or better in Woodworking Production IA & IB.

### **WOODWORKING PRODUCTION IIB**

This course is a continuation of the first semester.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 077621  
PREREQUISITE: Woodworking Production IIA

### **MECHANICAL DRAFTING**

Mechanical drafting provides drafting students with basic skills and concepts of mechanical drafting. Students complete drawings in projection, section, and auxiliary views. Equipment use, multiview drawings and pictorial drawings are covered. Computer-aided drafting (CAD) is introduced. Emphasis on occupational uses of each area is stressed.

GRADE LEVEL: 10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 077506  
PREREQUISITE: Recommended but not required  
Production Technology & Communication Technology

### **ARCHITECTURAL DRAFTING**

This course offers the student with some prior drafting experience the chance to further explore many drafting practices used in industry. The course is devoted to architectural drafting, design projects, lettering equipment use, floor plans, elevations, working and presentation drawings. Computer-aided drafting (CAD) is utilized when appropriate.

GRADE LEVEL: 10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 077518  
PREREQUISITE: Mechanical Drafting

### **INDEPENDENT DRAFTING SPECIALIZATION IA**

This program offers individualized training to any student who feels a need to pursue a specialized interest in any particular phase of drafting. This course work would be on a contractual basis and the student would meet during the regular classes without being required to meet most of the comprehensive objectives of the established drafting program. Specialized instruction might be in interior design presentations, blueprint reading, model building, CAD technical art, rendering, airbrush, drafting fundamentals, civil drafting, or any related architectural or mechanical area.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 077519  
PREREQUISITE: Architectural Drafting (Consent of the counselor, parents and instructor is required).

### **INDEPENDENT DRAFTING SPECIALIZATION IB**

This course is a continuation of Independent Drafting Specialization IA.

GRADE LEVEL: 11-12  
CREDIT: 1/2  
COURSE NUMBER: 077520  
PREREQUISITE: Independent Drafting Specialization IA



# MATHEMATICS

**MATHEMATICS CLASSES** - Three years of credit in mathematics are required for graduation, including Algebra I & Geometry. Students planning to attend college should take a minimum of three years of math. However, some colleges and certain fields of study require more than three years of high school math. Students should check with their guidance counselor and math teachers.

## APPLIED ALGEBRA I

This course is designed to benefit the student who needs extended time to learn the fundamentals of Algebra I. It is a study of the real number system in which students will develop a logical thought process. Topics that will be covered include the following: (1) writing and evaluating variable expressions and functions (2) applying the four basic mathematical operations to rational numbers and then using those operations to solve equations and inequalities in one and two variables (3) interpreting verbal sentences into mathematical sentences (equations and inequalities), using math principles to solve those sentences and then graphing those sentences on number lines and coordinate planes (4) performing the four basic mathematical operations on polynomials and then reversing the procedures to factor polynomials (5) solving expressions and equations that involve irrational numbers (square roots) (6) using mathematical reasoning skills to solve real-world math problems.

GRADE LEVEL: 9-10

CREDIT: 1

COURSE NUMBER: 081308

PREREQUISITE: Recommendation of 8th grade math teacher and approval of course instructor or department chairperson.

## ALGEBRA I

Algebra I is a study of the real number system in which students will develop a logical thought process. Topics that will be covered include the following: (1) writing and evaluating variable expressions and functions (2) applying the four basic mathematical operations to rational numbers and then using those operations to solve equations and inequalities in one and two variables (3) interpreting verbal sentences into mathematical sentences (equations and inequalities), using math principles to solve those sentences and then graphing those sentences on number lines and coordinate planes (4) performing the four basic mathematical operations on polynomials and then reversing the procedures to factor polynomials (5) solving expressions and equations that involve irrational numbers (square roots) (6) using mathematical reasoning skills to solve real-world math problems.

GRADE LEVEL: 9-10

CREDIT: 1

COURSE NUMBER: 081328

PREREQUISITE: Demonstrated ability to work with real numbers (especially negatives and fractions).

## APPLIED GEOMETRY

This course is designed to benefit the students who needs extended time to learn the fundamentals of Geometry. It is a study of the concepts of Geometry as they apply to the real world. Topics that will be covered include the following: (1) studying and identifying points, lines, line segments, angles, parallel lines and transversals, and identifying and measuring the angles created when a transversal cuts through parallel lines (2) plotting points and graphing various types of lines on a coordinate plate (3) calculating the slope of a line and using slope to write an equation of a line (4) naming triangles and quadrilaterals using sides, angles, and other given information (5) writing proofs using postulates involving triangles (6) performing reflections, slides, translations, and dilations on polygons (7) using the Pythagorean Theorem to compute the distance between two points and to prove triangles to be similar (8) applying formulas to find perimeter, area, and volume to given polygons and circles (9) using mathematical reasoning skills to solve real-world math problems.

GRADE LEVEL: 10-11-12

CREDIT: 1

COURSE NUMBER: 081128

PREREQUISITE: Recommendation of Applied Algebra I or Algebra I teacher and approval of course instructor or department chairperson.

## GEOMETRY

Geometry will continue with the development of concepts introduced in the lower grades. Major areas of focus include the following: (1) study of geometric transformation, including reflections, translations and rotations, (2) study of angle relationships, (3) study of polygons and circles, (4) communicating reasoning through proofs, (5) study of three dimensional figures, (6) making geometric constructions using a compass and straightedge or other geometric tools, and (7) emphasizing the importance of critical thinking, deductive reasoning, and precision in Mathematics. Students will use Dynamic Geometry Software and other forms of technology to discover mathematical relationships and reinforce the concepts covered in the class.

GRADE LEVEL: 9-10-11-12

CREDIT: 1

COURSE NUMBER: 081338

PREREQUISITE: Algebra I

## APPLIED ALGEBRA II

This course is designed to benefit the student who needs extended time learning the fundamentals of Algebra II. It will continue with the development of concepts from Algebra I, introduce topics and strategies for the SAT, and develop mathematical skills needed for financial decisions. Major areas of focus include the following: (1) study of the structure of the real number systems, (2) study of functions including

linear, quadratic, polynomial, (3) modeling Mathematics as it applies to the real world (4) data analysis, and (5) emphasizing the importance of critical thinking, deductive reasoning, and precision in Mathematics.

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 081348  
PREREQUISITE: Recommendation of Applied Geometry or Geometry teacher and approval of course instructor or department chairperson.

### **ALGEBRA II AND TRIGONOMETRY**

Algebra II and Trigonometry shall continue with the development of concepts introduced in Algebra I and expand upon them. Major areas of focus include the following: (1) study of the structure of the real and complex number systems; (2) study of functions including linear, quadratic, polynomial, rational, exponential, and logarithmic; (3) study of right triangle trigonometry and trigonometric functions; and (4) emphasizing the importance of critical thinking, deductive reasoning, and precision in mathematics.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1  
COURSE NUMBER: 081448  
PREREQUISITE: Geometry or geometry taken concurrently with written permission of the instructor.

### **PRE-CALCULUS (Weighted)**

This course will supply the student with a cohesive background for the further study of Calculus. Fundamental algebraic, exponential, logarithmic, and trigonometric functions will be covered. The equations and graphs of lines and curves will also be emphasized.

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 081778  
PREREQUISITE: Algebra II and Trigonometry, or Algebra II and Trigonometry taken concurrently with written permission of the instructor.

### **CALCULUS (Weighted)**

This course provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. The course will introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus; and integral calculus.

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 081788  
PREREQUISITE: Pre-calculus, or Pre-calculus taken concurrently with written permission of the instructor.

## **MUSIC**

### **BAND**

The emphasis in instrumental music at RHS is not only on top performance, but also on a full music education. Included in the course that is offered are: Marching Band, Concert Band, Pep Band, and Jazz Band. Band meets daily during the school day. In addition to daily classroom work, Marching Band will meet periodically at nights on the field at the beginning of the marching season.

Although a high degree of musical proficiency is developed, more important are the non-musical skills that come from participation in band. These include self-confidence, a respect for the talents of others, teamwork, pride in the group's achievement (esprit de corps), and a willingness to accept responsibility.

One credit is earned each year for band as well as an opportunity to earn Varsity letters and pins.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1  
COURSE NUMBER: 046708  
PREREQUISITE: Instruction obtained from middle school or permission from Band Director.

### **ADVANCED BAND (Weighted)**

Students enrolled in Advanced Band will not only participate in the normal band activities, but also: audition for the ILMEA festival, take a solo to the IHSA Contest and complete two Power Point presentations for the class during the course of the year.

GRADE LEVEL: 12  
CREDIT: 1  
COURSE NUMBER: 046709  
PREREQUISITE: Three years of high school band.

### **MIXED CHOIR**

Mixed Choir is open to all students. This group of treble and bass voices will prepare a Winter & Spring Concert. All students will also participate in the IHSA Solo/Ensemble Contest and the IHSA Organization Contest. Attendance at all performances is required and does not fall within the school day. Students will learn about proper vocal production and music reading skills throughout the year.

GRADE LEVEL: 9-10-11-12

CREDIT: 1

COURSE NUMBER: 046508

PREREQUISITE: Instructor's written recommendation based on previous performance in junior high chorus, or audition.

### **ADVANCED MIXED CHOIR (Weighted)**

Advanced Mixed Choir is open to students who have successfully completed three (3) years of choir. Students in Advanced Mixed Choir will not only participate in the normal choral activities, but also audition for the ILMEA Senior Choir, prepare and perform a solo for the IHSA Solo/Ensemble Contest, and prepare two (2) presentations for the choir.

GRADE LEVEL: 12

CREDIT: 1

COURSE NUMBER: 046509

PREREQUISITE: Three years of high school choir classes.

### **PIANO AND GUITAR SKILLS (Offered Both Semesters)**

Students will learn basic piano and guitar techniques and will develop music reading skills. Keyboards are provided for the students and preferred if they can bring their own guitars. No experience on piano or guitar is required. This course can only be taken one time.

GRADE LEVEL: 9-10-11-12

CREDIT: 1/2

COURSE NUMBER: 046408

PREREQUISITE: Instructor's written recommendation based on previous performance in junior high chorus, or audition.

## **SCIENCE**

**SCIENCE CLASSES** - Two years of credit in science are required for graduation. Some colleges and certain fields of study require more than two years of high school science. Student should check with their guidance counselor and science teachers.

### **INTRO TO LIFE SCIENCE (Intro to Biology)**

An introductory level course concentrating on the basic principles of cells, genetics, evolution, ecology and the interaction they have with the environment.

GRADE LEVEL: 9-10

CREDIT: 1

COURSE NUMBER: 102108

PREREQUISITE: Students that have successfully completed Biology cannot enroll.

### **BIOLOGY**

This course is designed for the average and above average student. This is a laboratory science course covering biological principles, ecology, cell biology, genetics, and evolution.

GRADE LEVEL: 9-10-11-12

CREDIT: 1

COURSE NUMBER: 102228

PREREQUISITE: None

### **PHYSICAL/EARTH SCIENCE**

This is an introductory level course covering a variety of topics found in the Physical and Earth sciences. In the physical sciences, the study of chemistry will include the structure and properties of matter and chemical reactions. Additionally, material in the area of physics will cover forces and interacts as well as energy. Finally, themes in Earth science such as Earth's place in the universe (Astronomy) and Earth's systems (Meteorology & Geology) will be studied with an emphasis on how Earth's surface processes and human activities affect each other.

GRADE LEVEL: 10-11-12

CREDIT: 1

COURSE NUMBER: 102248

PREREQUISITE: None

## **CHEMISTRY**

Major topics covered include: states of matter, energy, mixtures and compounds, chemical reactions, and stoichiometry. This is a Modeling Instruction-based course which emphasizes active student construction of conceptual and mathematical models in an interactive learning community. Group discussions and whiteboard sessions are used to help in our understanding of the topics. Laboratory learning is used when possible to aid in our learning.

GRADE LEVEL: 10-11-12  
CREDIT: 1  
COURSE NUMBER: 102538  
PREREQUISITE: Algebra I and Biology with C average or better.  
Algebra I with a B average or better for sophomores.

## **ADVANCED CHEMISTRY (Weighted)**

This is an advanced college preparatory course including both lecture and laboratory learning experiences. This course will cover chemical properties and interactions in more detail. Advanced Chemistry topics include stoichiometry, aqueous reactions and solutions, thermodynamics, gases, kinetic theory, nuclear chemistry, and organic chemistry.

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 102568  
PREREQUISITE: C or better in Chemistry I or instructor approval.

## **PHYSICS (Weighted)**

This is an advanced college preparatory course designed for students who have a strong background in science & math. Conceptual understanding will be emphasized and math equations will be used as "guides to thinking". Students will use a number of problem-solving techniques as they experience a variety of science and engineering practices commonly found in this field. Topics covered include Forces & Interactions (Newtonian Mechanics), Energy (Thermodynamics), and Waves & Electromagnetic Radiation (Sound Waves & the Nature of Light).

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 102768  
PREREQUISITE: C or better in Chemistry I and Algebra II/Trigonometry.  
CO-REQUISITE: Juniors: Pre-Calculus. Seniors: Strongly suggest taking Pre-Calculus or Calculus

## **ADVANCED BOTANY (Weighted)**

This is a semester advanced college preparatory course including both lecture and microscopic laboratory studies. In this course students investigate the growth, reproduction, anatomy, physiology, biochemistry, taxonomy, genetics, and ecology of plants. Students are expected to read and review the concepts learned in class daily.

GRADE LEVEL: 10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 102268  
PREREQUISITE: C or better in Biology and instructor approval.

## **ADVANCED ZOOLOGY (Weighted)**

This is a one semester laboratory science course designed as a college preparatory course for students interested in studying the biological sciences at the college level. The course will provide students with an understanding of the kingdom Animalia, the niche organisms occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. The course will also give students an overall awareness and understanding of biotic communities. Since this is an advanced class, students will be required to complete a heavier than average homework load.

GRADE LEVEL: 10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 102238  
PREREQUISITE: C or better in Biology and instructor approval.

## **ENVIRONMENTAL SCIENCE**

This is a one semester course focused on the study of the interaction of the living and non-living components of the environment with a special emphasis on the impact of humans on these components. Many different fields of study will be covered.

GRADE LEVEL: 10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 102258  
PREREQUISITE: One year of science.

## **EARTH AND SPACE SCIENCE**

This course focuses on geological structures, the natural forces of Earth, and the world beyond Earth. Topics covered include rocks/minerals, plate tectonics, geologic history, oceans, natural disasters, the atmosphere, weather, climate, the solar system, stars, and galaxies.

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 102569  
PREREQUISITE: Biology and Chemistry with a C or better.

## **HUMAN ANATOMY AND PHYSIOLOGY (Weighted)**

This course studies the structure and function of the human body through lecture, labs, and discussion. Emphasis is placed upon the concepts that help correlate the principals of structure and function. The course is tailored to help prepare students for the rigors of college level Anatomy and Physiology, particularly in preparation for medical or related fields of study.

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 102769  
PREREQUISITE: Biology and Chemistry with a B or better.

## **SOCIAL STUDIES**

**SOCIAL SCIENCE CLASSES** – Requirements for graduation in the social science area are one year of credit in U.S. History, one semester of credit in American Government, and one semester of credit in an elective social science course. Some colleges require three years of high school social sciences. Students should check with their guidance counselor and/or college of choice. Sociology and World History classes are recommended for students planning for college. World Culture classes are recommended for non-college bound students. These classes may not be recognized by many colleges as fulfillment for a social studies credit when entering college. To be considered for the Rockridge Academic Achievement Awards Social Studies Scholarship, a senior must complete a minimum of eight semesters of credit to include U.S. History, American Government, and four courses from the following: World History, U.S. History Elective, Sociology and/or Psychology.

**WORLD HISTORY COURSE OFFERINGS**-The history of the world is extensive and requires a division of the entire span of history into six different courses. There are six World History courses. They are semester long courses and offered on a rotational schedule.

### **ANCIENT HISTORY (course offered 2017-18 & 2020-21)**

Ancient History is a semester course open to all students, fulfilling the Social Science elective requirement. This is a survey of the beginning of recorded history across the globe. Emphasis for the course will be the study of prehistory, the rise and development of ancient civilizations including the Fertile Crescent, Ancient Egypt, Greece, Rome, China, India, Japan, and the Americas. Specifically, this course will focus on the following topics: Egyptian history; mummification; the Great Pyramids of Giza; Athenian democracy; Spartan military dominance; the rise short-lived dominance of Alexander the Great; the Roman Republic and its transformation into the Roman Empire; the Han, Ch'ou, Ch'in, and Shang dynasties. This class will also investigate the origins of five of the major world religions: Judaism; Hinduism; Buddhism; Confucianism; Christianity. Google slides will accompany the teacher lectures. Students will be working in small groups occasionally to analyze primary sources. Weekly student-led discussions of Current Events will also be held. A biographical research project will also be created and presented by the students as well.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 113538  
PREREQUISITE: None

### **MIDDLE AGE HISTORY (course offered 2018-19 & 2021-22)**

Middle Age History is a semester course, open to all students, fulfilling the Social Science elective requirement. This is a survey of the growth of Western Civilization in Europe from the remnants of the Roman Empire. Specifically, this course will focus on the following topics: the Black Death; Barbarian Invasions; the dominance of the Roman Catholic Church as well as its transgressions; the Crusades; the Great Schism; the birth of guilds and mercantilism; Czars Ivan the Great and Ivan the Terrible; African caravans and the Hajj; the samurai class of Japan. The course also examines the rise and principles of Islam and its spread through Asia, Africa, and Europe. Google slides will accompany the teacher lectures. Students will be working in small groups occasionally to analyze primary sources. Weekly student-led discussions of Current Events will also be held. A biographical research project will also be created and presented by the students as well.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 113539  
PREREQUISITE: None

### **RENAISSANCE, ENLIGHTENMENT AND REVOLUTION (course offered 2019-20 & 2022-23)**

This is a semester course, open to all students, fulfilling the Social Science elective requirement. This survey concentrates on the growth of Western civilization during the period of A.D. 1300-1815. The course examines the Renaissance, global exploration, and the early spread of Christianity beyond Europe, the Age of Reason, and the rise and fall of Napoleon. Specifically, this course will focus on the following

topics: Martin Luther and the birth of Lutheranism; King Henry VIII and his breakaway from the Roman Catholic Church; Tudor monarchs; the European colonization of the Americas and the extermination of the Aztecs and Incans; the international slave trade; Czarina Catherine the Great; the American Revolution; the French Revolution. Google slides will accompany the teacher lectures. Students will be working in small groups occasionally to analyze primary sources. Weekly student-led discussions of Current Events will also be held. A biographical research project will also be created and presented by the students as well.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 113540  
PREREQUISITE: None

### **INDUSTRIAL REVOLUTION TO IMPERIALISM (course offered 2017-18 & 2020-21)**

This is a semester course, open to all students, fulfilling the Social Science requirement. A survey that begins with the dawning of the modern industrial development of Western civilization and looks at the problems that resulted with this development including the growth of cities and the rise of labor unions and unrest. The course will examine the birth of Communism, Nationalism, and the spread of Imperialism. Specifically, this course will examine how the widespread industrialization and improving education of societies caused people to begin to question authority and the old order. The resulting revolutions spurred desires to maintain the status quo and crush rebellion and compelled the overthrow of some monarchies. The birth of the German and Italian states pave the way for the entangling alliances that will later entrap the world into the Great War. Additionally, the various old states will commit to a grab for empire to gain the raw materials and resources to improve their economies and expand their industrial base. At least one critical book review will be required and one research project on a topic assigned by the instructor must be completed during this course.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 113639  
PREREQUISITE: None

### **WORLD WARS AND REVOLUTIONS (course offered 2018-19 & 2021-22)**

This is a semester course, open to all students, fulfilling the Social Science requirement. This course is a survey of world history from 1910 – 1955. This course includes an intensive look at the causes and results of the Great War and its impact on the world. The peace plan that was preferred by the United States and the birth of the Soviet Union will have a tremendous impact on the resulting interwar period (boom times and depression). In the face of harsh economic times the course will examine the rise of Fascism and the dictators who seek to avenge losses from the Great War and plan global domination. The resulting outbreak of the Second World War complete with its atrocities that include the Holocaust will be examined in detail. The end of the war will compel the United States to take a more forceful leadership role in helping with the birth of the United Nations and the formation of alliances at the beginning of the Cold War. At least one critical book review will be assigned and completed along with one research topic that will be assigned by the instructor.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 113739  
PREREQUISITE: None

### **COLD WAR INTO THE 21<sup>ST</sup> CENTURY (course offered 2016-17 & 2019-20)**

This is a semester course, open to all students, fulfilling the Social Science requirement. The course will explore the Cold War and arms race (conventional and nuclear) between Western and Eastern bloc nations. Understanding the development and expansion of nuclear arsenals is critical to gaining a proper perspective on the world tensions that resulted between the superpowers. Although an all-out major war was avoided, many surrogate conflicts erupted and impacted both superpowers and many nations in the emerging third world. The course is broad in its scope and will look at all corners of the globe to examine at the collapse of colonialism as well as the rising of tensions within a country or region resulting from ethnic and religious differences. The collapse of the Soviet Union and its impact on the world, the rise of religious fundamentalism, and use of terrorism by nations, groups, and organizations to achieve political objectives are also a principle focus of this course. Students will write at least one critical book review and complete on research topic assigned by the instructor.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 113740  
PREREQUISITE: None

**WORLD CULTURES COURSE OFFERINGS**-Geography and the culture of the people who live in foreign countries are a basic study among the social sciences. Four year college bound students should check with their institution to insure this course meets the social studies requirements for admission. College bound students should consider a different elective in order to prepare for the rigors of higher education social studies.

**WORLD CULTURES I (Europe and the Western Hemisphere) (course offered 2018-19 & 2020-21)**

This is a semester course that fulfills the Social Studies elective requirement. This course is open only to students who are recommended, after consultation, by the administration, counselor, or the social studies department head. Students who have successfully completed another non-basic social studies course are **NOT** eligible to take this course without the instructor's permission. This basic course includes map skills, components of culture, natural resources, climate, and economic environment of the following regions: the United States; Canada; Mexico; the Caribbean Islands; Central America; South America; Mediterranean Europe; Scandinavian Europe; Central and Eastern Europe.

GRADE LEVEL: 9-10-11-12

CREDIT: 1/2

COURSE NUMBER: 113598

PREREQUISITE: Approval **required** from the administration, counselor, or social studies department head.

**WORLD CULTURES II (Asia, Africa, Australia and the Pacific) (course offered 2017-18 & 2019-20)**

This is a semester course that fulfills the Social Studies elective requirement. This course is open only to students who are recommended, after consultation, by the administration, counselor, or the social studies department head. Students who have successfully completed another non-basic social studies course are **NOT** eligible to take this course without the instructor's permission. This basic course includes map skills, components of culture, natural resources, climate, and economic environment of the following regions: the Middle East; Africa; South Asia; Southeast Asia; the Far East of Asia; Australia; the Pacific Island nations.

GRADE LEVEL: 9-10-11-12

CREDIT: 1/2

COURSE NUMBER: 113698

PREREQUISITE: Approval **required** from the administration, counselor, or social studies department head

**UNITED STATES HISTORY**-United States History is a required course to be successfully completed by all students for graduation. The year-long survey fulfills the mandatory requirement. An elective semester long course is available for students who wish to examine the most recent history of the nation since the Vietnam War.

**U.S. HISTORY**

This is a required course for juniors, and successful completion of the course is required for graduation. The course is a survey of United States History with emphasis on the principle events leading to the emergence of the nation as a world power. The first semester concentrates on the early history of the United States from our Declaration of Independence from Great Britain up to the Civil War when the country became firmly identified as a nation state rather than a collection of aggregate states. Additionally, expansion and across the continent and overseas are important to development of the nation as a continental and world power. Economic expansion and industrial prowess help to shape the nation's and the world's abilities to grow. Finally the cultural history of the country is critical in helping students learn the importance of each individual's rights and freedoms guaranteed by the Constitution. During the second semester students will examine in more detail the United States participation in world changing events from the Great War, the Great Depression, World War II and the Cold War with its challenges to avoid a global conflagration with nuclear weapons. The modern Civil Rights movement and cultural history add particular insight to understanding how ourselves and our families are a part of the continuing story of the United States. Three projects focusing on each student's personal history will also be completed in this course. Current issues are discussed as they develop.

GRADE LEVEL: 11 (required)

CREDIT: 1

COURSE NUMBER: 113258

PREREQUISITE: None

**BASIC U.S. HISTORY**

This course is identical in many respects to U.S. History, but uses a textbook that is at an easier reading level. Successful completion of the course fulfills the requirement for graduation. Additional assignments are included in this course due to the nature and methods used to teach the material contained in the course. There are four projects (one for each quarter) that will focus on each student's personal history will be completed as part of this course. The course is open only to junior and senior students who are recommended by the administration, counselor, and the social studies department head.

GRADE LEVEL: 11 (required)

CREDIT: 1

COURSE NUMBER: 113257

PREREQUISITE: Approval **required** from the administration, counselor or social studies department head.

### **U.S. HISTORY ELECTIVE (From Vietnam into the 21<sup>st</sup> Century) (Weighted)**

This is a semester course, open only to seniors who have completed U.S. History and who have a grade-level proficiency reading level, fulfilling the Social Science requirement. The complete history of the United States is difficult to teach in a meaningful manner in only one year long survey course. This course will focus on U.S. History since the Vietnam War, and will explore events that are in the recent memories of students' relatives as well as current events. The course is a weighted grade class and taught as a college preparatory class requiring reading and research beyond the textbook. Research topics will be assigned to each student who will consult a number of reference sources, compile a presentation to the class on that topic along with a brief report to be turned into the instructor.

GRADE LEVEL: 12  
CREDIT: 1/2  
COURSE NUMBER: 113259  
PREREQUISITE: U.S. History

**AMERICAN GOVERNMENT**-American Government is a required course to be successfully completed by all students for graduation. Students are also required to pass the United States and Illinois Constitution tests administered during the course in order to fulfill the requirements for graduation.

### **AMERICAN GOVERNMENT**

American Government is a required course for seniors and successful completion of the course is required for graduation. This semester long course includes an extensive study of the United States Constitution and the Illinois Constitution. Basic legal procedures are studied as well as political and social problems facing the United States today. Student-led Current Events are discussed weekly. All students residing in Rock Island County can register to vote in this class in upcoming primary and general elections. Students **MUST** pass the U.S. and Illinois Constitution tests to graduate.

GRADE LEVEL: 12 only (required)  
CREDIT: 1/2  
COURSE NUMBER: 113388  
PREREQUISITE: None

### **BASIC AMERICAN GOVERNMENT (course offered only first semester)**

This course is identical in many respects to American Government, but uses a simplified textbook published for a lower reading level. Successful completion of this course fulfills the requirement for graduation. Additional assignments are included in this course due to the nature and methods used to teach the material contained in the course. Student-led Current Events are discussed weekly. All students residing in Rock Island County can register to vote in this class in upcoming primary and general elections. Students **MUST** pass the U.S. and Illinois Constitution tests to graduate.

GRADE LEVEL: 12 only (required)  
CREDIT: 1/2  
COURSE NUMBER: 113389  
PREREQUISITE: Approval required from the administration, counselor or social studies department head.

### **SOCIOLOGY (Weighted)**

This is a semester long course, open only to seniors, fulfilling the Social Science elective requirement. *A college-level textbook is used so above-average to superior reading for interpretation skills are mandatory.* Assignments are to be completed online and submitted through Google Classroom. The course studies various aspects of human behavior in groups, the consequences of cultural lifestyles internationally, and institutions to which we, as humans, are drawn. Topics such as deviance, religion, and health are studied. Student-led Current Events are discussed weekly. This is a college preparatory course and is recommended for seniors who are considering going on to college. The course is only offered during the second semester of the school year.

GRADE LEVEL: 12 only  
CREDIT: 1/2  
COURSE NUMBER: 113688  
PREREQUISITE: Students who have taken basic level courses in English or Social Studies must have approval of the instructor to take this course.

### **PSYCHOLOGY (Weighted)**

This is a semester long course, open only to seniors, fulfilling the Social Science elective requirement. *An upper level textbook is used so above-average reading for interpretation skills are mandatory.* Assignments are to be completed online and submitted through Google Classroom. The course studies various aspects of human behavior and its impact on mental function and health. Student-led Current Events are discussed weekly. A research-based Google Slides presentation spotlighting a number of mental diseases and disorders will be completed by the students. This is a college preparatory course and is recommended for seniors who are considering going on to college. The course is only offered during the first semester of the school year.

GRADE LEVEL: 12 only  
CREDIT: 1/2  
COURSE NUMBER: 113689  
PREREQUISITE: Students who have taken basic level courses in English or Social Studies must have approval of the instructor to take this course.



## **SPECIAL SERVICES**

### **ORIENTATION TO VOCATIONAL EDUCATION I**

This course is an overview through career exploration of vocational classes and occupations available to special needs students. Students receive counseling on individual career planning, and on their four year plan. Students' interests and abilities will be considered and explored in the development of their career plan. Community agencies, groups, and resources are explored. Course content will include job specific skills as related to vocational courses.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 129312  
PREREQUISITE: Permission of instructor with administrative staffing.

### **ORIENTATION TO VOCATIONAL EDUCATION II**

This course teaches pre-vocational skills necessary to enter the world of work. Emphasis is on the exploration of career opportunities, work preparation options and appropriate work habits, behaviors, and social skills needed in the work environment. Students will be introduced to basis job seeking skills and improving basic academic skills necessary for getting and holding a job. Development of social skills, money management skills and acceptable attitudes for work will be included.

In addition, students develop individual responsibilities as a consumer, family member and citizen.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 129313  
PREREQUISITE: Permission of instructor with administrative staffing.

### **CAREERS I**

This course is designed to assist students in choosing a career, planning to achieve their career goals, and develop understanding of current career trends. Students will assess their own strengths, abilities, interests, values, life style choices, and compare those to various career choices and jobs of personal interest. A variety of appropriate careers will be explored in further depth, as well as training on "how to" explore careers. Students will be able to use technology for current and future employment purposes.

GRADE LEVEL: 9-10  
CREDIT: 1/2  
COURSE NUMBER: 129315  
PREREQUISITE: Permission of instructor with administrative staffing.

### **CAREERS II**

This course will include extensive career exploration, as well as training in desirable job seeking and job keeping behaviors/skills designed to increase competence when beginning a new job in today's workplace. Students will make an individualized career plan, including short and long term goals, create a resume, search for jobs, complete paper and online job applications, and participate in mock interview and real interviews whenever possible. Students will be able to use technology for current and future employment purposes.

GRADE LEVEL: 9-10  
CREDIT: 1/2  
COURSE NUMBER: 129316  
PREREQUISITE: Permission of instructor with administrative staffing.

### **DAILY LIVING I, II, III, & IV**

There are no class prerequisites and they do not have to be taken in chronological order.

### **DAILY LIVING SKILLS I:**

This course is designed to provide the special education student with independent living skills necessary for daily success in the community. These skills include and are not limited to: Healthy living, proper nutrition and food preparation, laundry skills, home care and safety, safety in the community, and fitness. Students will be able to use technology to gather, organize, and analyze information for daily living purposes.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 129308  
PREREQUISITE: Permission of instructor with administrative staffing.

### **DAILY LIVING SKILLS II:**

This course is designed to provide the special education student with independent living skills necessary for daily success in the community. These skills include and are not limited to: Emotional health and self-advocacy, financial responsibilities, accessing computer technology, social awareness, social skills instruction and role play. Students will be able to use technology to gather, organize, and analyze information for daily living purposes.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 129309  
PREREQUISITE: Permission of instructor with administrative staffing.

### **DAILY LIVING SKILLS III:**

This course is designed to provide the special education student with independent living skills necessary for daily success in the community. These skills include and are not limited to: expressing yourself, career exploration, career planning; searching for, obtaining, & keeping a job. Students will fill out applications, create a resume, and participate in mock interviews. Students will be able to use technology to gather, organize, and analyze information for daily living purposes.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 129408  
PREREQUISITE: Permission of instructor with administrative staffing.

### **DAILY LIVING SKILLS IV:**

This course is designed to provide the special education student with independent living skills necessary for daily success in the community. These skills include and are not limited to: Preparing for employment, post secondary education or on the job training, finding a place to live, marriage, parenting and technology. Students will be able to use technology to gather, organize, and analyze information for daily living purposes.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 129409  
PREREQUISITE: Permission of instructor with administrative staffing.

### **EXCEPTIONAL STUDY SKILLS I & II**

An elective course designed to assist the special education student in improving study skills. Course content includes learning skills, using technology, and developing strategies to learn to complete homework and tests to the best of the student's ability. Specific skills taught are reading skills and strategies, writing skills, test taking strategies, note taking, organization, goal setting, managing assignments and using resources, self-advocacy, memory strategies, interpreting graphic aids, and the acquisition of other skills needed for successful participation in the standard program and regular/general education classroom. Students will investigate their own learning styles and develop their preferred individual learning strategies. Technology such as word processors, spell and grammar check, audible books, speech to text software, Internet research strategies, and other computer based applications will be used to assist students in producing their best work. The class is also designed to meet the needs of individuals enrolled in connection with teacher contact and the IEP. Grades are given based on the effective use of class time and accomplishment of the tasks given.

GRADE LEVEL: 9-12  
CREDIT: 1/2  
COURSE NUMBER: 129310 (I), 129311 (II)  
PREREQUISITE: Permission of instructor with administrative staffing.

### **EXCEPTIONAL TEST PREPARATION**

Exceptional Test Preparation will give students additional tools to assist them to be successful on tests in the regular education classroom as well as on standardized tests. Students will learn strategies to prepare themselves physically and mentally for tests, and strategies to use while taking tests. Students will also be given opportunities to reinforce learned strategies by taking practice essay and standardized tests. When students complete this class, they will be better prepared and more confident test takers. This is a one semester class to be taken only once either the Sophomore or Junior year. This course cannot be taken concurrently with Exceptional Study Skills.

GRADE LEVEL: 10-11  
CREDIT: 1/2  
COURSE NUMBER: 129307  
PREREQUISITE: Permission of instructor with administrative staffing.

### **EXCEPTIONAL ENGLISH I - IV**

This course is tailored for the student with reading, written expression, and vocabulary comprehension difficulties. Emphasis will be placed on the fundamentals of grammar, reading comprehension, writing, and vocabulary. The course will be a modified rendition of the Basic English I - IV curriculum.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1  
COURSE NUMBER: 129218 (9), 129228 (10), 129238 (11), 129248 (12)  
PREREQUISITE: Permission of instructor with administrative staffing.

### **EXCEPTIONAL PRE-ALGEBRA**

This course is tailored for the student who has difficulties with the basic concepts of arithmetic. Topics are presented so the students will have the opportunity to develop the necessary mathematical reasoning skills to carry over into the study of Algebra.

GRADE LEVEL: 9-10  
CREDIT: 1  
COURSE NUMBER: 129219  
PREREQUISITE: Permission from instructor with administrative staffing.

### **EXCEPTIONAL ALGEBRA I**

This course is designed to work with the four basic operations in the real number system to solve equations and inequalities with one and two variables. Students will also apply these operations to polynomials. They will also solve problems involving real-life situations that require algebraic thinking and analysis.

GRADE LEVEL: 10-11  
CREDIT: 1  
COURSE NUMBER: 129213  
PREREQUISITE: Permission of instructor with administrative staffing.

### **EXCEPTIONAL GEOMETRY**

This course will provide students with the skills needed to succeed by using real-world applications that link geometry to life. Topics of study will include angles, triangles, quadrilaterals, polygons, circles, area, surface area, and volume.

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 129214  
PREREQUISITE: Permission of instructor with administrative staffing.

### **EXCEPTIONAL LIFE SKILLS MATH**

This course is designed for students who would like to expand and develop their math skills to include instruction that students need for independent living. It focuses on using math skills in real-life situations for those who have basic computational skills but need practice in applying these skills rather than just reading about them.

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 129212  
Prerequisite: Permission of instructor with administrative staffing.

### **EXCEPTIONAL SCIENCE**

This course is tailored for the student with reading and vocabulary comprehension difficulties. Students will cover a variety of topics through an easy to read text, laboratory activities, and classroom demonstrations. Life Science, Physical Science, and Earth Science will be covered throughout this course.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1  
COURSE NUMBER: 129220  
PREREQUISITE: Permission from instructor with administrative staffing.

### **EXCEPTIONAL KEYBOARDING**

Exceptional Keyboarding is a course designed to sequentially develop basic skills in keyboarding technique and basic word processing skills. In addition, students will learn basic methods of Internet research.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 129317  
PREREQUISITE: NONE

### **EXCEPTIONAL WORLD CULTURES**

This course is designed for the student who has difficulty in reading and vocabulary comprehension. This course will focus on physical geography, history, present day, and culture of North America, Middle America, South America, and Europe. Students will learn and practice map skills, research skills, and writing skills through projects and assignments.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1/2  
COURSE NUMBER: 129217  
PREREQUISITE: Permission of instructor with administrative staffing.

### **EXCEPTIONAL U. S. HISTORY**

This course is designed for the student who has difficulty in reading and vocabulary comprehension. Emphasis will be on U. S. History from 1776 to the present. Weekly current event news is discussed.

GRADE LEVEL: 11 (REQUIRED)  
CREDIT: 1  
COURSE NUMBER: 129215  
PREREQUISITE: Permission of instructor with administrative staffing.

### **EXCEPTIONAL AMERICAN GOVERNMENT**

This course is for the student who has difficulty in reading and vocabulary comprehension. This semester course includes the study of the U. S. and Illinois Constitutions. Current event issues are discussed. Students **MUST** pass a U. S. and Illinois Constitution test.

GRADE LEVEL: 12 (REQUIRED)  
CREDIT: 1/2  
COURSE NUMBER: 129216  
PREREQUISITE: Permission of instructor with administrative staffing.

### **SECONDARY TRANSITIONAL EMPLOYMENT PROGRAM (STEP) I**

Year one of the STEP program emphasizes helping students develop critical thinking and problem solving skills, and apply those skills to the five critical areas of responsible living: Family, peers, school, work, community. Students will recognize the importance of and develop skills such as being on time, following directions, completing work to the best of one's ability, accepting criticism, getting along with others, and other general desirable workplace and daily living skills. In addition to exploring a career, gaining work experience, and developing positive workplace skills, all students are given a credit per year and extra credit for work when they meet the expectations of their employer and school supervisor. Some training and work programs can be DRS subsidized. A job is not required for STEP I.

GRADE LEVEL: 11-12  
CREDIT: 1  
COURSE NUMBER: 129318  
PREREQUISITE: Permission of instructor with administrative staffing.

### **SECONDARY TRANSITIONAL EMPLOYMENT PROGRAM (STEP) II (S241)**

The focus of the second year of the STEP program is on continued development of responsible adult living skills in the five critical areas of responsible living including family, peers, school, work, and community skills. With assistance as needed, students will acquire or be placed at a job leading to non-subsidized employment. Students will be placed with an employer for intensive training in an entry-level occupation, specific to the student's own interests, abilities, and IEP goals. Students are expected to work 10 to 15 hours per week, and are given a credit per semester or two per year when they meet the expectations of their employer and school supervisor. Some training and work programs can be DRS subsidized.

GRADE LEVEL: 12  
CREDIT: 2  
COURSE NUMBER: 129319  
PREREQUISITE: Permission of instructor with administrative staffing  
STEP II can be taken by a senior who has not had Step I, with permission.

### **FUNCTIONAL ENGLISH**

This course is designed to provide the special education student with the English skills necessary for daily success in the community. Students will practice reading and writing skills in a real-life context. Students will work with recipes, menus, labels, advertisements, applications, resumes, and many other real-life reading and writing situations. Enrollment in this class will be determined by the student's IEP team.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1  
COURSE NUMBER: 129320, 129323, 129326, 129329  
PREREQUISITE: Permission of instructor with administrative staffing.

### **FUNCTIONAL MATH**

This course is designed to provide the special education student with the math skills necessary for daily success in the community. Students will practice general math concepts such as addition, subtraction, multiplication, division, measurement, time, and money on a regular basis. Students will also learn how to apply basic math concepts to real-life situations such as banking, shopping, budgeting, and cooking. Enrollment in this class will be determined by the student's IEP team.

GRADE LEVEL: 9-10-11-12  
CREDIT: 1  
COURSE NUMBER: 129321, 129324, 129327, 129330  
PREREQUISITE: Permission of instructor with administrative staffing.

### **FUNCTIONAL SOCIAL SKILLS**

This course is designed to be taken with the Functional English and Functional Math courses. In this course students will discuss a variety of topics related to the social aspect of engaging with the community. Students will also be given an opportunity to work at various jobs in the skill. Enrollment in this class will be determined by the student's IEP team

GRADE LEVEL: 9-10-11-12

CREDIT: 1

COURSE NUMBER: 129322, 129325, 129328, 129331

PREREQUISITE: Permission of instructor with administrative staffing.