

## **CURRICULUM PATTERNS 2011-12**

There are two primary curriculum patterns that students may follow. They are the Accelerated Curriculum (A) and the General Curriculum (G). Students may also qualify for remedial courses (R) with certain test scores and teacher recommendations or opt to take Advanced Placement courses (AP) for enrichment and challenge. Grade point average is computed based on grades earned in applicable courses. Beginning in the 2011-2012 school year, AP courses will be designated a possible 6.0 weight on the 4.0 scale, and in accordance with past practice, Accelerated courses are designated 5.0, General courses are designated 4.0 and Remedial courses are designated 3.0. Freshman and sophomore courses are primarily general. Most upper-class students will be selecting subjects from both patterns, but should favor one over the other to fit their future plans. The guidance office will recommend which curriculum to follow based on past grades, teacher recommendations, and test results.

### College Bound Students

PORTA High School recommends but does not require every college bound student to take the following courses before graduation. Academic Competitiveness Grants from the federal government (dependent on funding) are currently being tied to the completion of a rigorous course of study. A chart outlining Illinois state university requirements is included at the conclusion of this guide.

- A. Four units of English (emphasizing written and oral communications and literature)
- B. Three units in math (Algebra I, Geometry and Algebra II)
- C. Three units in science (laboratory sciences)
- D. Two units in a foreign language, music, or art.
- E. Three units in social studies (emphasizing history and government.)

### Student Athletes-NCAA

Students with aspirations of participating in athletics at the collegiate level must meet eligibility requirements. Go to [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net) for information.

### Honor Roll

The Honor Roll is a system recognizing students who excel in their studies. Announcement of the honor roll will be listed at school and in the newspaper after each nine-week grading period.

### Honor Roll Requirements:

1. **High Honors:** Students will be placed on the quarter high honor roll if their quarter grade point average is 3.75 or above. Students will be placed on the semester high honor roll if their semester grade point average is 3.75 or above.
2. **Honors:** Students will be placed on the quarter honor roll if their quarter grade point average is 3.50 or above. Students will be placed on the semester honor roll if their grade point average is 3.50 or above.

- 3. Honorable Mention:** This designation will recognize students who attain a 3.0 to 3.49 grade point average at the quarter and semester.

**THE GRADES FOR PHYSICAL EDUCATION ARE NOT FIGURED INTO THE STUDENT'S GRADE POINT AVERAGE.**

### **High School Horizon Courses**

Effective at the beginning of the 2008-2009 school year, students, grades 9-12, may enroll in one non-weighted elective course with their grade having no effect on their cumulative grade point average. Students wishing to take a Horizon Course must meet the following criteria:

- They must be taking seven (7) credited courses
- They must have a cumulative grade point average of 3.00 or above
- They must have permission of course instructor and guidance counselor

Students must declare their Horizon Course to the teacher and the guidance counselor during the first two weeks of the semester. Changes will not be allowed after the second week of each semester. Horizon students must maintain a minimum grade of B- for each quarter in their Horizon course or their grade will be figured into their grade point average.

We at PORTA High, hope these course descriptions will be easy to follow. Students and parents should read this booklet before student registration.

Our school year consists of two semesters. Credit is awarded on a semester basis. One-half credit is awarded for passing a course for the semester. Exception: Driver education and physical education, when taken during the same semester, are worth 1/4 credit each.

### Graduation Requirements

All four areas must be completed before graduation:

1. 21 credits must be earned to graduate from PORTA High School. The following academic units will be required of all students:

- 4 credits of English (effective Class of 2012)
- ½ credit of Speech
- 3 credits of Mathematics (including 1.0 credit Algebra I and 1.0 credit Geometry)
- 2.5 credits of Science
- 2 credits of Social Studies (1 credit American History and 1 credit other social studies)
- ¼ credit of Driver Education
- ½ credit of Health
- ½ credit Resource Management
- 1 credit chosen from (a)music (b)art (c)foreign language (includes Am. Sign Language) or (d)vocational education.
- 2.5 credits Physical Education (effective Class of 2012)

2. Each student must be enrolled in physical education or health education each semester he/she is enrolled in school, unless exempt by a waiver. Physical Education is a credited course. It does not count toward grade point average.
3. Each student must pass examinations on the U.S. and the State of Illinois Constitutions and take the Prairie State Achievement Exam.
4. Student must meet all requirements for graduation as set by the State of Illinois.

Correspondence courses will be accepted for credit ONLY if the course is not in the high school curriculum and is needed for graduation. Each course must be approved by the principal and guidance counselor. A maximum of two correspondence credits will be accepted toward graduation.

PORTA High School does not offer summer school. Summer school credits from other districts, including Illinois Virtual High School, will be allowed for credit if approved by the principal and guidance counselor. The student will be responsible for the cost of the classes and transportation. It is the student's responsibility to make sure that the guidance office has a copy of the transcript. A maximum of two credits will be accepted toward graduation.

**All students must enroll in a minimum of 5 academic credits each semester.** With the exceptions of band, chorus, physical education and Careers courses, students may not enroll in a course for which he/she has already earned credit.

Band and Chorus count as 1 credit per year toward graduation credits. They may be counted as one of the five academic courses required each semester. No more than four music credits can be used to fulfill the required number of academic credits.

Independent Study Courses: Students with a particular interest in a subject area may take independent study courses. A permission form must be completed by the student and sponsoring teacher and be approved by the principal and counselor. The independent study course must be in addition to the 5 academic courses required, but may not exceed an 8 course limit.

**It is the responsibility of the student to be certain that credit requirements are met. Please be aware of credit requirements and consult with the guidance counselor for individual concerns or issues.**

#### Rules and Regulations Governing Student Initiated Class Withdrawal

1. Class withdrawal slips must be obtained from the counselor, signed by the teacher and the counselor, and returned to the guidance office.

2. A student cannot withdraw from a one or two semester class after it has been in session 5 full days or more without a signed letter from a parent/guardian. This will only be done in cases with extenuating circumstances. The student must also have permission from their teacher, counselor, and principal.
3. Unless administratively approved, a student cannot withdraw from a required class. If a student fails the 2<sup>nd</sup> semester of a year-long class, he/she is encouraged to retake the 1<sup>st</sup> semester as well as the 2<sup>nd</sup> semester. This is highly recommended in the case of a failed mathematics course. In retaking the first semester, with administrative approval, the student will have the opportunity to raise their original grade from the first time. (Although the original grade may be replaced by retaking the semester, the student will receive credit for passing the course only once.) Students taking the class for the first time are given priority over students retaking the course to raise a previous grade. If a student should fail the 1st semester of a retake, they will not be allowed to enroll in the 2<sup>nd</sup> semester.
4. A student can change from one curriculum pattern with teacher, parental, and counselor approval, i.e. from accelerated to general or vice versa. This should be done as early as possible in the first semester.
5. A student enrolled in a two semester course may drop the course at the end of the first semester only if he has failed that semester or has the permission of the instructor, principal, and guidance counselor. If the class is recommended or required for college entrance, the guidance counselor may also require a signed letter from a parent/guardian.

Subject selection for each semester is vitally important. This is the heart of a high school education. Plan a tentative four-year plan of studies and then adjust it each year as your post secondary goals become focused. A successful high school education requires thought and planning. Check with the admissions offices of any post-secondary schools you may be considering for specific requirements.

PREP HQ-As soon as possible, each student should register for the PREP HQ service offered to all PORTA students. Especially valuable to freshmen students is the student planner component which assists students in planning coursework for the entire high school experience. You may sign up for this service by going to the PORTA website and clicking on the PREP HQ icon.

## Rules and Regulations Governing Course Schedule Changes

Students will be scheduled into classes as indicated on their registration sheets. Only changes that are considered necessary by the student and counselor will be made in the fall. Second semester changes will be based on academic performance during the first semester and academic needs.

A well-planned schedule will:

1. Assist the pupil in developing realistic vocational aims.
2. Encourage the successful completion of a scholastic program that is consistent with the pupil's abilities.
3. Lead to the widest possible choice of post-secondary opportunities.

## AGRICULTURE

**The Agriculture Curriculum addresses all aspects of the industry and incorporates workplace readiness skills into the curriculum.**

\*Please note: Soils and Fertilizers, Plant Science and Ag. Construction will be offered in school years with odd numbered graduation years, i.e. 2012-2013. Advanced Animal Science and Advanced Plant Science will be offered in school years with even numbered graduation years, i.e. 2011-2012.

- 180110 **INTRODUCTION TO AG. INDUSTRY I (EXPLORATORY AGRICULTURE) (G)** 1 sem. This is a survey course that introduces the student to the various areas of Agriculture Industry, FFA knowledge, parliamentary procedure, leadership skills, hunting skills, wildlife habitat, trap shooting, target shooting with bow and rifle, conservation history, tractor safety, first aid and survival skills, and record keeping.
- 180210 **INTRODUCTION TO AG. INDUSTRY II (ANIMAL SCIENCE) (G)** 1 sem. A learning experience course that deals with principles and practices involved in producing animals and animal products, dairy judging, meats judging and livestock judging.
- 180140 **ADVANCED ANIMAL SCIENCE (BSAA Animal Science) (G)** 1 sem. 11-12  
Prerequisite: Physical Science and Biology I or consent of the instructors in both classes. Animal Science II is a course designed to reinforce and extend student's understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. This one-semester course will deepen the student's understanding of science as content and as a process through the use of numerous laboratory exercises and experiments. Students can also establish a Supervised Agriculture Experience Program and participate in agricultural science activities of the FFA. Sample topics include: 1) Growth and Development of Animals- embryology, ethology, nutrition, immunity systems and 2) Processing Animal Products-preservation, fermentation, and pasteurization. This course will count as one-half science credit.
- 180120 **BASIC AG. SCIENCE I (SOIL AND FERTILIZER) (G)** 1 sem. 10-12. A combination of subject matter and practical experience that teaches efficient agriculture production including soil judging and management, fertilizer application, weed control, crop judging, weed I.D., seed I.D., and herbicide application.
- 180220 **BASIC AG. SCIENCE II (PLANT SCIENCE) (G)** 1 sem. 10-12 This course deals with the study and operations involved in the culture and production of agriculture plants. This course also deals with the practical applications of planting, cultivation, and harvesting field crops.  
\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.

- 180130 **LANDSCAPE AND TURF MANAGEMENT-TRAINING LEVEL COURSE** (HORTICULTURE I) (G) 1 sem. A class dealing with identification and the basic functions of small plants; laboratory experience is actually raising and maintaining poinsettias. Students will identify 60 landscape plants. Each student will also create a landscaping plan for his or her home on a computer aided program. Experience in hands on landscaping will be made available when possible.  
\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.
- 180230 **HORTICULTURE PRODUCTION AND MANAGEMENT I-** (HORTICULTURE II) (G) 1 sem. Prerequisite: Landscape and Turf Management This lab course will familiarize students with small garden plants, other plants and flowers in quantity and greenhouse management and operations. This course also includes production of hydroponic vegetables.  
\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.
- 180340 **HORTICULTURE PRODUCTION AND MANAGEMENT II-** (HORTICULTURE III) (G) 1 sem. Prerequisite: Hort. Prod. and Management I and permission of instructor. This course is an extension of Horticulture II and offers an opportunity for in-depth study of greenhouse management and operations. Generally offered as an independent course through the agriculture dept.
- 180330 **AGRICULTURE CONSTRUCTION AND TECHNOLOGY-**(G) 1 sem. 9-12 This course deals with identification of hardware items, plumbing, a small woods project, and practical electrical wiring exercises.
- 180430 **ADVANCED PLANT SCIENCE** (BSAA-Plant Science) Agriculture (G) 1 sem. 11-12 Prerequisite: Biology I or the consent of the instructors of both classes. A course designed to reinforce and extend students' understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Scientific content and process will be integrated through the use of numerous laboratory experiments. This course counts as one-half science credit towards graduation.
- 180240 **AGRICULTURE BUSINESS MANAGEMENT** (G) 1 sem.11-12 This course involves learning activities which are concerned with the farm resources analysis, accounting, production, financing, resource acquisition, purchasing, farm inputs, performance records, farm marketing and maintenance with an emphasis in utilization of a computer. Each student will develop a computerized farm plan.
- 180350 **SUPERVISED AG. EXPERIENCE I, II & III** (G) 10-12 with superior SAEPs. Only students who are unable to schedule a regular agriculture class in their schedules are eligible for this course. Students are required to write two research papers and complete their record books. This course can be taken one, two, or three semesters.
- 170430 **INTERRELATED COOPERATIVE EDUCATION PROGRAM (IR)** 2 Semesters (G) 11-12 Please refer to course description listed under Business on page 9.

## ART

- 190110 **ART I (G)** 1 sem. Basic art course where all areas of the visual arts are touched upon. Drawing, painting, ceramics, and art history are covered. This is a prerequisite for all other classes.
- 190210 **DRAWING I (G)** 1 sem. Prerequisite: Art I or teacher permission. Students explore all phases of drawing using a wide variety of media and subject matter.
- 190310 **DRAWING II (G)** 1 sem. Prerequisite: Drawing I. Continuation of Drawing I, with more emphasis on style and technique. Students are given more advanced drawing problems requiring more research and time.
- 190410 **PAINTING I (G)** 1 sem. Prerequisite: Art I or teacher permission. Students explore all phases of painting using a wide variety of media and subject matter. Watercolor, tempera and acrylic paints are explored.
- 190510 **PAINTING II (G)** 1 sem. Prerequisite: Painting I. A continuation of Painting I, with more emphasis on painting styles and techniques. Various painters and their styles are studied in depth. Students get a chance to develop a personal style of their own as the semester progresses. Students are required to supply some of their own canvases and paints.
- 190710 **CERAMICS AND SCULPTURE (G)** 1 sem. Prerequisites: Art I or teacher permission. Students do a variety of three-dimensional artwork working with clay, wood, paper, plaster, etc. In ceramics a variety of hand building projects are done with some experience in wheel thrown pottery. Students may be required to supply some of their own materials.
- 190810 **GRAPHIC DESIGN/PHOTOGRAPHY (G)** 1 sem. Prerequisite: Art I or teacher permission. Students gain skills in lettering, printmaking, illustration, package and cover design and page layout. Photoshop and InDesign will be used creating some projects. The second nine weeks of this class will explore both digital and analog photography as an art form. Students will learn about the parts of a camera, and will develop skills in taking and developing pictures. Students will use photoshop to enhance and alter digital photos.
- 190910 **JEWELRY CONSTRUCTION (G)** 1 sem. Prerequisite: Art I or teacher permission. Students learn a variety of jewelry making techniques with an emphasis on metal construction using brass, copper, and silver. Students must purchase all metals used. A \$15 fee is charged at the beginning of the semester for supplies used. Other materials such clay, wire, glass etc. are used in various processes.
- 190410 **ADVANCED ART (G)** 1 year. (G) **12 only.** Prerequisites: Art I, Painting I and II, Ceramics and Sculpture, Drawing I and II. This is an advanced level art class for those students majoring in art after high school. Students will do at least 7-10 projects for the semester. They also learn technical and historical information for the chosen area of art.

900000 **YEARBOOK** (G) 1 year 10-12, 9 only with permission of instructor.

Students will be responsible for producing the school yearbook. They will learn the fundamentals of producing a yearbook except for the actual printing and binding. Students will learn layout, design, advertising, budgeting, salesmanship, teamwork and creative reporting about items of interest around school. Students will be instructed on MAC computers using InDesign and Photoshop to produce the yearbook. Students will have the opportunity to take photographs and may enter contests and attend workshops that are available. Additional work will be required as publication approaches monthly deadlines. This work time can require 2-3 hours per week out of school responsibility.

## BUSINESS

**The Business Curriculum addresses all aspects of the industry and incorporates workplace readiness skills into the curriculum.**

150310 **COMPUTER CONCEPTS AND SOFTWARE APPLICATIONS** (Computer Applications) (G) 9-12 This introductory one-semester high school course is designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing, management and also for personal usage. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, database management and the integration of these. Students will explore topics related to computer concepts, computer literacy, operating systems, telecommunications and emerging technologies.

\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.

150100 **INFORMATION PROCESSING I** (Computer Publishing I) (G) 10-12 Prerequisite: Passing grade in Computer Concepts and Software Applications. This one-semester course will give students the opportunity to create and update documents using software applications such as desktop publishing and photo editing programs. These programs will instruct the students on how to design attractive layouts, implement graphics into publications, alter graphics and use text effects. The students will be proficient in the usage of the scanner and the digital camera. The class will apply techniques learned to produce the PORTA Beak Speaks newspaper.

150330 **INFORMATION PROCESSING II** (Computer Publishing II) (G) 10-12 Prerequisite: Information Processing I. This one-semester class will concentrate on advanced design, layout procedures, and more in-depth photo editing techniques used in the industry. Real-life simulations and projects will be assigned. The class will apply techniques learned to produce the PORTA Beak Speak newspaper.

150360 **WEB PAGE DESIGN AND INTERACTIVE MEDIA DEVELOPMENT I** (Web Page Construction) (G) 9-12 It is recommended that a student enrolled in this one-semester course be proficient with Windows-based computer systems. This one-semester class is a skill-level course designed to prepare students to plan, design, create, and upload web pages and sites. Students will learn the fundamentals of web page design using HTML and WYSIWYG applications software. Students will learn to create pages, add hyperlinks, make tables and frames, create forms, integrate images, and set styles. Students will use photo-imaging programs to manipulate scanned images, computer graphics, and original artwork.

\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.

150460 **WEBPAGE DESIGN AND INTERACTIVE MEDIA DEVELOPMENT II** (Web Master) (G) 10-12. Prerequisite: Web Page Design and Interactive Media Development I and teacher recommendation. This one-semester skill-level course will include instruction on creating web sites that will combine text, hyperlinks, images, video, and sound. Students will use tables to align images with text, create newspaper-style columns, and insert side menus and call-outs. With the knowledge acquired in Web

Page Design I and II, students will maintain and upload to the PORTA School Web Site. Students enrolled in this class will stay abreast with the introduction of new technology concerning web pages and sites.

- 150130 **ACCOUNTING I (G)** 2 sem. 10-12. Prerequisite: At least a “C” average in math. This skill level course is of value to all students pursuing a strong background in business, marketing, and management. This course includes planned learning activities that develop initial and basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data. Instruction includes information on keeping financial records, summarizing them for interpretation, and analyzing them to provide assistance to management for decision-making. Simulation projects will also be completed.
- 150140 **ACCOUNTING II (G)** 2 sem. 11-12. Prerequisite: Accounting I. Accounting II builds upon the foundation established in Accounting I. This course is planned to help students develop deeper knowledge of the principles of accounting with more emphasis placed on financial statements and accounting records. Maintaining records for partnerships and corporations will be emphasized. Simulation projects are completed on the computer.
- 150150 **ACCOUNTING III (G)** 2 sem. Prerequisite: Accounting I & II and teacher recommendation. Independent study course offered only to students planning to pursue accounting degrees in college.
- 150230 **YOU AND THE LAW (G)** 1 sem. 11-12. This class is an introduction to personal, practical, and business law. It is designed to prepare students to recognize and understand how the law works in their communities and throughout the country. It shows students how the law strives to promote fairness, equal justice, and individual rights. Students will understand the value of acting as responsible citizens. The aim of this course is to give students a working knowledge of the law. This should help them avoid legal problems and assist them in knowing how to handle legal problems.
- 150430 **BUSINESS AND TECHNOLOGY CONCEPTS (RESOURCE MANAGEMENT II) (G)** 1 sem. 9-12 This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production). Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skill will be taught and integrated within this course.

Recommended for all students. Provides preparation for the skill level courses that make up the Business, Marketing and Management occupations programs.

- 150470 **TECHNOLOGY WORK STUDY (G)** 11-12. One or two semesters. Prerequisite: Successful completion of two previous courses in the Computer Curriculum and teacher recommendation. This course is designed for students who have a high interest and aptitude in the technology area. Students enrolled in this course will work closely with the technology coordinator and computer teachers in performing maintenance, troubleshooting, instructing teachers on the uses of technology, and possibly working with the PORTA Web Site. The student will develop a journal of all work performed daily to be turned in at the end of each quarter.
- 110150 **BROADCASTING I (G)** 1 sem. 9-12 Prerequisite: Successful completion of Communication Technology (find description in Industrial Tech. section of this book.) This is the second course in the communications/broadcasting sequence. This one semester course must be taken before enrolling in Broadcasting II. Students will develop their television and radio skill and plan and produce a variety of different television shows. They will learn the value of being able to work in groups to develop an idea into a television show. Script writing, directing, producing multi-camera techniques, and digital mixing skills will be developed. Students will also be involved in production work outside of class such as athletic events, fine arts performances, and special meetings. Students will expand their portfolio from Communication Technology.
- 110160 **BROADCASTING II (G)** 1 sem. 10-12 Prerequisite: Successful completion of Speech and Broadcasting I. This is the third course in the communication/broadcasting sequence and the second speech course. This one-semester class must be taken before enrolling in Broadcasting III. Students will study interpersonal communication, transactional analysis, and the psychological aspects of the one to one communication. It also reviews skills in oral interpretation and public speaking. The purpose of this course is to give students practical skills related to career pathways in performing arts and television production. This course offers actual production of features, documentaries and music shows. Students will be required to continue portfolio enhancement.
- 110170 **BROADCASTING III (G)** 1 sem.10-12 Prerequisite: Successful completion of Broadcasting II. This is the fourth course in the communication/broadcasting sequence at PORTA High School. This one-semester course will allow students to gain actual experience in the following areas:
- A. Advertising-Students will actually produce sponsorship spots for different businesses in the area. It will involve site shooting, script writing and editing to produce a finished commercial.
  - B. Extra Curricular Productions-Students will also be directly involved in PHS extra curricular activities. Students will gain some real practical experience in all phases of sports and other extra curricular event broadcasting. Areas that will be covered will be: Play by play, spotting, color commentary, pre-game and post-game show, producing highlights tapes, voice-overs, developing writing and speaking skills, developing interviewing skills and body language.

Project assignments will be made based on student media portfolios and abilities.

- 110180 **MEDIA PRODUCTION I & II (G)** 2 sem. Prerequisite: Students must have  
110280 successfully completed Broadcasting III. The students will develop the production skills needed to produce features, documentaries, and music shows for radio and television. They will learn how to produce television shows that are planned and shot “film style”. Students will learn how to write film style scripts, creating a master shot list, shooting on location, shooting out of sequence, acting, inter-scene relationships, and editing to finish. This course offers actual production experiences in all aspects of studio work. The students will complete a professional portfolio that is suitable for submission to college programs or to media companies.
- 170430 **INTERRELATED COOPERATIVE EDUCATION PROGRAM (IR)** 2 Semesters (G) 11-12. This course provides on-the-job training in the afternoon with regular class work during 4<sup>th</sup> hour. A student enrolled in IR earns 1 credit per year for classroom instruction and 1 credit per year for the job experience. The related classroom portion is planned to develop skills and attitudes that are applied on the job. The class emphasizes workplace skills such as seeking and applying for employment, communicating on the job, maintaining professionalism, workplace ethics, etc. The training portion of the class is developed jointly by the teacher-coordinator, training supervisor and the student. The job experience includes at least 15 hours per week (Monday-Friday). Interested students must apply for acceptance in the program. An interview process is held for all applicants, and is conducted by the IR instructor, the guidance counselor and the HS principal. Following the interview, decisions for admittance are made based on the interview, past attendance, grades and discipline points.

A student can be removed from the IR program for the following reasons:

1. Being fired from the job.
2. Having more than 5 unexcused absences during the semester.
3. Being unemployed for two weeks anytime during the year.
4. Following the 4<sup>th</sup> offense of failure to notify the instructor of being absent from school.
5. For inappropriate behavior of the student on the job or at school that displays “Gross Disobedience or misconduct” as is defined in the student handbook.

Students enrolled in this program represent PORTA High School, and it is imperative that a good relationship continue between employers and the school. A student will be removed from IR by a committee vote that includes the principal, the instructor, and the guidance counselor. A discussion will be held and a vote taken. The vote must be unanimous for a student to be removed from the program.

## **CAREER EDUCATION**

### **230110 CAREER EDUCATION (Jobs For Illinois Graduates) 2 Sem. (G) 11-12**

The Career Education class is an Education-to-Careers course, which teaches employability skills to selected Juniors and Seniors. The goals of the program are to assist participants in graduating from high school and thereafter finding and keeping quality jobs and/or entering postsecondary course of study leading to a career track position. The class is taught by a Career Specialist whose job is to teach prescribed course content material, conduct employee marketing, be a broker of services, facilitate the student-run chapter of the Illinois Career Association, and provide 12 months of follow-up support services following the graduation of the program participants. Grant funded program, availability dependent on funding.

\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.

## **DRIVER EDUCATION, PHYSICAL EDUCATION, HEALTH**

220120 **DRIVER EDUCATION (G)** 1 nine weeks. Placement is based on age. This course is required for graduation. Students are excused from physical education during this nine-week period in order to complete classroom instruction. Students learn the legal, moral, and physical aspects of driving as well as information about other items affecting driving, such as alcohol and drugs.

Students are required, by Illinois State Law, to be in attendance for a minimum of 30 classroom hours. This class is a requirement for an Illinois driver's license unless the student waits until the age of 18 to obtain a license. A student must be at least 15 to be enrolled in the classroom phase.

Behind the Wheel Phase-Provided the student has completed a minimum of 10 hours of driving time with a qualified adult; he/she may begin 6 hours of Behind the Wheel driver training. He/she will also receive a minimum of 6 hours of observation time as a passenger.

Illinois Cooperative Testing Program-If a student receives an A or B in the Classroom Phase of Driver Education as well as completes the Behind the Wheel phase, he or she will be eligible to take the state's Behind-the-Wheel test at PORTA High School. A "spot check" may be given at the driver's facility.

Illinois Graduated Licensing System-

1. You must have received a passing grade in at least 8 courses during the previous 2 semesters.
2. Parents must verify that a minimum of 50 hours of practice driving have taken place.
3. The instruction permit must be held for 9 months prior to obtaining a driver's license. (For information regarding obtaining the white slip, please contact the high school.)
4. To receive an Illinois driver's license, you must pass the vision screening and the appropriate state written test and also pass the classroom phase and the behind the wheel test.

220220 **HEALTH (G)** 1 sem. Grade 10 Students are excused from physical education for 1 semester for health education. This course is required for graduation. Students discuss and learn about: Personal Health and Body Systems; Physical Activity and Nutrition; Mental and Emotional Health; Safe and Healthy Relationships; Growth and Development; Tobacco, Alcohol and other Drugs; Diseases and Disorders; Injury Prevention, including cardiopulmonary resuscitation and first-aid; and Environmental Health.

220113 **EARLY BIRD FITNESS PE (G)** 11- 12 This course focuses on the responses of the human body to exercise and sports-related issues, as well as a more detailed knowledge of Anatomy and Physiology. Topics include: Exercise physiology, human anatomy, strength training principles and human motor performance. Course objectives are 1) Provide students with the necessary information to be able to design their own fitness program and 2) Train students in the basic technique necessary to design a safe, effective strength training program. Students and their parents may be required to sign an early bird contract. This class will run from 7:10-8:00.

220114 **FITNESS PE (G) 9-12** Refer to description above. No early bird contract. Regular  
222114 day.

220110 **PHYSICAL EDUCATION (G)** The PE curriculum covers a variety of team and  
222110 individual sports, fitness and swimming. In the class, the goals are to encourage a  
healthy lifestyle and promote life long skills and activities. **This course is required  
for each semester enrolled at PORTA High School.** Board policy and I.S.B.E.  
guidelines allow circumstances under which students are excused from physical  
education class. Those reasons include:

**Grades 9-12**

- 1) Medical--Students must present a written request from a physician indicating the effective dates. The student is to be given credit from classes missed. If the medical excuse covers an entire grading period, the student's permanent card is marked accordingly.
- 2) Health Education--See Course 220220 above.
- 3) Driver's Education--See Course 220120 above.

**Authorizations for Exemptions**

- 1) Any 11th or 12th grade student who participates in interscholastic athletic program.
  - A. To receive an exemption from P.E., the student must be in good standing and have successfully completed the previous season in the sport or activity. This request must be signed by the head coach or supervisor of the sport or activity. Interscholastic athletic programs do not include other activities such as cheerleading, pompon squads, etc.
  - B. The student-athlete may take an extra class in place of physical education if he/she wishes. If the substitute class is a semester long course, the student, may complete the class they choose regardless of the length of the sport season.
- 2) Any 11th or 12th grade student who, in order to be granted admission to a specific institution of higher learning, must complete a specific academic course not included in existing state or local graduation standards.
  - A. Under this exemption, it would be expected that the student would provide official documentation from the college/university indicating the specific course work required for admission (college catalog, letter from registrar, etc.)
  - B. Exemptions cannot be given for college prep course work, accelerated courses, etc.
- 3) Any 11th or 12th grade student who lacks sufficient course credits or lacks one or more specific courses in order to meet state and/or local graduation requirements.
- 4) A school board may also excuse students in grades 9-12 who are enrolled in a marching band program for credit from physical education if those pupils request to be excused for ongoing participation in such marching band programs.
- 5) A school board may also excuse students in grades 9-12 that are enrolled in a Reserve Officer's Training Corps (ROTC) Program.

## ENGLISH

- 100110 **ENGLISH I** (G) 2 sem. 9 Introductory high school reading, writing, listening, and  
102110 grammar skills.
- 100160 **SAFE 9 - STRATEGIES AND FUNDAMENTALS OF ENGLISH** (G) 2 sem. 9  
102160 SAFE 9 is a year-long course mostly focusing on increasing reading comprehension and speed. Instruction in this course will include instruction in root words, prefixes and suffixes, vocabulary, skimming and scanning, learning how to read texts across the curriculum, and sustained silent reading. Students will also be introduced to various genres of literature including fiction, nonfiction, short stories and novels. The primary goal of this class is to improve students' confidence and overall reading skills.
- 100120 **ENGLISH II** (G) 2 sem. 10 Prerequisite: English I.  
102120 The historical and research supported American literature will be covered. Essay writing and grammar will also be stressed, as well as a review of grammar and mechanics.
- 100130 **SAFE 10 – STRATEGIES AND FUNDAMENTALS OF ENGLISH** (G) 1 sem. 10  
SAFE 10 – refer to description for SAFE 9.
- 100230 **PRE-AP AMERICAN LITERATURE** (G) 2 sem. 10 Prerequisite: English I.  
102230 For students considering taking an AP class as juniors or seniors, the pre-AP Am Lit is a valuable tool to help make that choice. Though not a weighted course because the course readings are identical to Am Lit, pre-AP Am Lit allows sophomores to experience the types of writing and tests that will be part of the AP English Language and AP English Literature classes. Students do not have to take pre-AP Am Lit in order to take an AP class; the pre-AP class merely makes transition into the AP English classes a bit smoother and allows students to decide whether or not an AP English class would meet their needs.
- 100141 **BRITISH LITERATURE I /BRITISH LITERATURE II** (formerly English IV (A)  
102141 2 sem. 11 & 12  
Brit/World Lit I This course is a survey of British & Western Literature designed for the college bound junior or senior. It begins with the earliest heroic epics and ends with the literature of the Renaissance. It is recommended that students take the Brit/World Lit I and II in sequence, though it is not required. The goal of the course is for students to gain an understanding of the genres that define various eras and develop a foundation for college liberal arts courses/general education requirements.
- Brit/World Lit II This course completes the survey of British and Western Literature designed for the college bound junior or senior. It begins with the Romantic Era, exploring both fiction and non-fiction texts, and concludes in the Modern Era. It is recommended that students have taken Brit/World Lit I before taking this course, but it is not required. The goal of the course is for students to gain an understanding of the genres that define various eras and develop a foundation for college liberal arts courses/general education requirements.
- \*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.

- 100181 **ENGLISH LANGUAGE & COMPOSITION (AP)** 2 sem. 11 & 12
- 102181 AP Language is a college-level English course available to either juniors or seniors. Its primary focus is the rhetoric of literature, and students will read extensive selections of non-fiction, analyzing how authors make their writing do/say what they want by using particular rhetorical strategies and techniques. Students will be prepped for the AP English Language exam, which is given in May, and may result in college credit. Students are expected to read voraciously within the context of this class and summer reading is required.  
\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.
- 100171 **ENGLISH LITERATURE AND COMPOSITION (AP)** 2 sem. 11 & 12
- 102171 AP Literature is a college-level course available to either juniors or seniors. Its primary focus is the analysis and interpretation of literature, primarily fiction, focusing on how literature may be explored and interpretations defended. Literature from around the world from ancient texts to modern offerings will be studied. Students will be prepped for the AP English Literature exam, which is given in May, and may result in college credit. Students are expected to read voraciously within the context of this class and summer reading is required.  
\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.
- 100150 **NOVELS (G)** 1 sem. 11 & 12 In this course the students will read and analyze a variety of novels from different eras. The course is designed for seniors desiring an additional semester of English. It may be taken with Composition II to gain a fourth year of English credit for those students who are not enrolled in English IV.
- 100170 **CREATIVE WRITING/COMPOSITION (G)** 11 & 12 The end goal of this semester long class is to produce a portfolio of creative writing. Instruction in creative writing will include reading examples of authors who are masters in the craft of writing poetry, short stories, personal essays and other forms of creative expression, but the primary focus of the class will be the creation of original works of literary fiction. This class does not require a research paper as the portfolio serves as the evidence of mastery.
- 100180 **JOURNALISM (G)** 1 sem. 11 & 12 Recommended for juniors and seniors with an interest in Journalism. Students will read, discuss and write a variety of news stories – headline, op-ed., letters to the editor as well as learn to write headlines, photo captions, the use of the AP news style and copyediting. Students will conduct surveys and interviews for the news pieces and occasionally, stories for the yearbook.
- 102140 **ANCIENT LITERATURE (G)** 1 sem. 11 & 12 Ancient Literature is a semester long course mostly focusing on the myths of the Greek/Roman, Norse, and Egyptian cultures. Instruction in these myths will cover similarities between the mythologies, archetypes, and the hero cycle, as well as looking at how these myths permeate today's art, music, and society in general. Students will also be exposed to texts such as Hammurabi's Code and the Epic of Gilgamesh. The final project for this class will involve researching a mythology not covered during the course of the semester.

- 102150 **LITERATURE IN FILM (G)** 1 sem. 11 & 12 Literature in Film is designed for the junior or senior wanting to learn how to “read” non-print texts while polishing writing skills. We will focus primarily on interpreting and analyzing film, though we will explore how a print text becomes a film in at least two of the movies. Major essays for the class will be film reviews; film analyses; comparative film analyses, and an MLA-documented film research paper. Students will, of course, learn the language of film-making in order to discuss our “texts” as well as continuing to employ techniques of print literary analysis appropriate to film.
- 102170 **SPORTS LITERATURE (G)** 1 sem. 11 & 12  
Course offered in years with even graduation year, i.e. 2011-2012.  
Sport is life, and students in this survey of print and non-print literature exploring the role of athletics in world culture will develop research based interpretations about the role of sports in the development of both society and the individual. A research paper is required.
- 102200 **CONTEMPORARY ADOLESCENT FICTION (G)** 1 sem. 11 & 12  
Course offered in years with even graduation year, i.e. 2011-2012.  
Literature isn’t limited to Hawthorne and Shakespeare. Many modern authors targeting teens have written exceptional examples of both fiction and non-fiction. Students will read a variety of YA authors and write a variety of papers, ranging from personal response to a research paper as they read multiple examples of YA literature from 1968 onward.
- 102210 **SCIENCE FICTION AND FANTASY (G)** 1 sem. 11 & 12  
Course offered in years with odd graduation year, i.e. 2012-2013.  
Space...the final frontier. These are the voyages of the students who want to explore strange new worlds via the craft of science fiction and fantasy writers. From Jules Verne to Michael Crichton, from Mercedes Lackey to Neil Gaiman in print and non-print, students will discover the uncharted possibilities awaiting them as they read (and write) about worlds beyond. A research paper is required.
- 102220 **CULTURAL EXPRESSIONS (G)** 11 & 12  
Course offered in years with odd graduation year, i.e. 2012-2013.  
Cultural Expressions is a semester long English class designed for juniors or seniors. In this class, students will explore the print and non-print texts from cultures around the world, discussing how text shapes culture and vice versa. Students in the course will be exposed to texts that differ from those of their own cultures which should lead them to a richer appreciation and understanding of other cultures and the literary works that represent them.

## FAMILY AND CONSUMER SCIENCES

**The Family and Consumer Science Curriculum addresses all aspects of the industry and incorporates workplace readiness skills into the curriculum.**

- 160110 **FOODS & NUTRITION I** (G) 1 sem. 9-12 This course is designed to give students an understanding of food, nutrition, the Food Guide Pyramid and basic cooking skills. Students will learn the source and function of basic nutrients with an emphasis on healthy eating. Students will prepare a variety of foods in the food lab and plan and prepare a holiday dinner.
- 160120 **FOODS & NUTRITION II** (G) 1 sem. 9-12 Prerequisite: Foods I. In this course the students will study and prepare more advanced foods with an emphasis on nutrition and its application to eating healthy. Students will have an opportunity to apply their cooking skills in pie baking, cake-decorating, and chili cook-off contests. Students will study and prepare foods from different cultures.
- 160130 **FOODS & NUTRITION III** (G) 1 sem. 11-12 Prerequisite: Instructor permission plus Foods I and II. Emphasis on career related skills for food service and production. The student will work in a food service setting for two hours a day and keep a journal.
- 160140 **CLOTHING AND TEXTILES I** (Sewing I) (G) 1 sem. 9-12 This beginning course places emphasis on teaching sewing construction techniques. It is designed for those with little or no experience using a sewing machine. Students will construct a gym bag from a kit, a garment using purchased pattern and fabric of their choice, and learn to use the embroidery machine for personalization and projects.
- 160145 **CLOTHING AND TEXTILES II** (SEWING II)(G) 1 sem. 9-12 Prerequisite: Sewing I. This course will cover advanced sewing techniques using purchased patterns, quilting, handcrafts and use of the embroidery machine in connection with computer programs and the Internet.
- 160420 **CHILD DEVELOPMENT** (G) 1 sem. 10-12 This course is designed for students with an interest in childcare as a vocation. The child will be studied from birth to preadolescence with emphasis on physical, social, emotional, and intellectual development. Includes mandatory observation at the Elementary School on students' own time. Students must have a study hall if enrolled in this course.
- 160330 **ADULT LIVING** (G) 1 sem. 11-12 Prerequisite: Parental Permission. This class focuses on an in-depth look at the principles behind building and maintaining relationships. It studies aspects of the physical and emotional consequences of sexual relationships. This course encourages students to examine their personalities and values with a focus on the special concerns of teens as they enter adulthood.
- 160430 **INTERIOR DESIGN** (Living Environments) (G) 1 sem. 10-12 Using the elements and principles of design, along with the basics of the house and its furnishings, a student will learn the general art of interior decorating. Students choose a house plan,

draw to scale and create room schemes incorporating acquired knowledge and skills. Various aspects of green technology in the housing field are discussed.

- 160530 **PARENTING (G)** 1 sem. 11- 12 This course covers aspects of: family structure; the responsibilities, satisfactions and stresses of parenthood; the importance of readiness for parenthood; and instruction on care and guidance for the child's overall growth and development. Students are encouraged to participate in the Computerized Baby simulation activity. This course also includes a birth to 13-month Baby simulation research activity culminating in the creation of a Baby Book.
- 160131 **CHILD PSYCHOLOGY (A)** 1 sem. 11-12 Prerequisite: 2.5 cumulative grade point average and instructor permission. This accelerated course investigates why children develop as they do. Basic background in psychological theories and perspectives are presented along with the various types of research techniques available.
- 160340 **CHILD CARE AIDE (G)** 2 sem. 12 Prerequisite: Instructor permission plus Child Development, Parenting and/or Child Psychology. The student will work with an elementary teacher for 2 hours a day keeping a journal and developing a portfolio. Students in this program are eligible for the P E waiver.
- 162340
- 150420 **RESOURCE MANAGEMENT I (Consumer Education) (G)** 1 sem. 10-12 This course promotes consumer awareness through discussion and investigation of the following topics: the free enterprise system, careers, wages & budgeting, banking, credit, investing, housing, food, taxes, insurance, consumer rights, and advertising. Required for graduation. Effective fall of 2010, the Illinois Consumer Education Proficiency Test is no longer available.
- 150430 **BUSINESS AND TECHNOLOGY CONCEPTS (RESOURCE MANAGEMENT II) (G)** 1 9-12 Please refer to course description listed under Business on page 9.
- 170430 **INTERRELATED COOPERATIVE EDUCATION PROGRAM (IR)** 2 Semesters (G) 11-12 Please refer to course description listed under Business on page 9.

## FOREIGN LANGUAGE

- 200110 **SPANISH I** (G) 2 sem. 9-12 Prerequisite: Students must have a final English grade of  
202110 a “C” or better the semester prior to registering for Spanish. This introductory course provides the foundation for students to develop four communication skills: comprehension of spoken Spanish, speaking, reading and writing at a basic level. A general idea of the different cultures in all of the Hispanic countries will be included.
- 200120 **SPANISH II** (G) 2 sem. 10-12 Prerequisite: Passed Spanish I. Recommended grade  
202120 “C” or better. Audiological communication skills continue to be the major emphasis in this course. A more in depth study of the culture, writing, reading and grammatical skills will be covered.
- 200130 **SPANISH III** (G) 2 sem. 11 Prerequisite: Spanish II. Students continue to develop  
202130 the four communication skills. Emphasis is placed on reading and writing. Students will also study the regional differences in the language. The concentration will be on Spanish and Mexican cultures.
- 200140 **SPANISH IV** (A) 2 sem. 12 Prerequisite: Spanish III. Students continue to develop  
202140 the four communication skills. They will also explore the integration of Hispanic art and literature.  
Approval Pending- \*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.

## INDUSTRIAL TECHNOLOGY

**The Industrial Technology Curriculum addresses all aspects of the industry and incorporates workplace readiness skills into the curriculum.**

The following courses will be offered in school years with odd graduation years, i.e. 2012-2013: Energy Utilization Technology, Production Technology-Metal, Production Technology-Woods, Architectural Drafting and Exploratory Construction.

Transportation Technology, Communication Technology, Cabinet & Furniture will be offered in school years with even numbered graduation years, i.e. 2011-2012.

- 170110 **ENERGY UTILIZATION TECHNOLOGY (G)** 1 sem. 9-12  
Electricity: Approximately 1/3 of the student's work time will be devoted to classroom work which will consist of electrical fundamentals, house wiring, circuits, magnetism, A.C. and D.C., components, transformers, inductance, capacitance, safety devices, and an introduction to electronics. About 1/3 of the time will be devoted to project experiments which correlate to the electrical field. Approximately 1/3 of the time will be spent on experiments and projects in basic electronics.
- 170210 **COMMUNICATION TECHNOLOGY (G)** 1 sem. 9-12  
This is the first course in the communications/broadcasting sequence at PORTA High School. This one-semester course must be taken before enrolling in Broadcasting I. Students will learn about television production by doing productions. They will learn how to operate studio and field cameras, use microphones, and operate switching equipment, character generators, teleprompters, lighting, backgrounds, and the video mixer. The importance of teamwork in the production process will be emphasized. Students will develop a portfolio demonstrating their skills.
- 170310 **TRANSPORTATION TECHNOLOGY (G)** 1 sem. 9-12  
Mechanical Powers: A course designed to provide the student with an understanding of different aspects of the transportation industry including aviation, road systems, water and seaways, and experimental forms of mechanical power, overhauling of four and two cycle engines, and basic automotive service.
- 170410 **PRODUCTION TECHNOLOGY (WOODS) (G)** 1 sem. 9-12  
Woods: Units shall include working from a plan, materials, use of basic hand tools and machines, gluing, and clamping, assembling, sanding, wood finishing, and mass production organization. A project is built as a fundraiser to pay for materials.
- 170510 **PRODUCTION TECHNOLOGY (METALS) (G)** 1 sem. 9-12  
Instructional units for this course will include sheet metal work, bench metal, metal forging, welding and introduction to machine practice. The course will introduce processes used to produce metal products in the metal working field.
- 170120 **CABINET AND FURNITURE MAKING (G)** 1 sem. 10-12  
Specialized class and practical work experience concerned with wood and wood products, furniture, and problems involved in common types of construction and repair of furniture. Students plan and construct individual projects of high quality.

- 170220 **EXPLORATORY CONSTRUCTION (G)** 1 sem. 10-12  
This course covers masonry, concrete work, plumbing, and modern construction techniques. This course is designed to get student hands on training. Students will build 8 X 10 and 8 X 12 mini barns.
- 170320 **ARCHITECTURAL DRAFTING (G)** 1 sem.10-12 A course designed to provide the student with knowledge and understanding of architectural drafting techniques, tools, materials, and newer techniques of the field including computer assisted drafting basics. Students design a specialized project involving urban or rural design plot plans, floor plans, elevations, detail drawings, models, & surveying elements.
- 170130 **COMPUTER AIDED DRAFTING (CAD) (G)** 1 sem. 10-12  
This course is designed to provide students interested in a career in drafting with information and practical experience needed for the development of job-related competencies. It will emphasize the areas of performance presentation techniques such as various graphs, producing architectural drawings, drawing light commercial plans, interpreting codes and constructing structural working drawings, producing mechanical and electrical/ electronic working drawings, producing civil engineering detail drawings.  
\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.
- 170230 **COMPUTER AIDED DRAFTING II (G)** 1 sem. 10-12  
This course continues to emphasize the areas of performing presentation techniques such as various graphs, producing architectural drawings, creating light commercial building plans, interpreting codes and constructing structural working drawings. The course will also emphasize producing mechanical and electrical/electronic working drawings, producing civil engineering drawings, using and producing CAD drawings.
- 170333 **COMPUTER AIDED DRAFTING III (G)** 1 sem. 11-12  
This course will include advanced drawing techniques, creating customized drawing menus, developing scripts and slideshows, interchanging drawing files between computer systems, and utilizing enhancement software designed for surveyors, civil engineers, architects, and others. This course will address individual student needs and incorporate the latest technology.
- 170140 **WELDING I (G)** 1 sem. 10-12 Specialized classroom and shop experiences concerned with all types of metal welding, fusion welding, and flame cutting. Use of the plasma cutter, MIG welder, and other tools of the trade are taught.  
\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.
- 170240 **WELDING II (G)** 1 sem. 10-12  
Prerequisite: Welding I. This course provides practical experience in welding designed to allow students to gain knowledge and skills in metal welding, brazing , and flame cutting. Students will spend a considerable amount of time on projects related to the above skills.  
\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.

170350 **METAL MANUFACTURING (G)** 1 sem. 10-12

This course provides practical experience the areas of safely operating precision equipment including the metal lathe, vertical milling machines & basic metal drill presses. All students will produce a project using all available equipment located within the facility. The course will also emphasize using CAD drawings.

170330 **JUNIOR AUTO MECHANICS (G)** 2 sem. 11

172330 Prerequisites or concurrent courses: Transportation Technology, Electricity, Welding I, or permission of instructor.

Classroom and shop experiences designed for students going into the automotive industry or have an interest in automobiles. This is a 1 credit per semester class.

\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.

170330-- **SENIOR AUTO MECHANICS (G)** 2 sem. 12

172330 Prerequisite: Junior Auto Mechanics or permission of instructor.

A continuation of Junior Auto Mechanics with more advanced training including automotive computers. This is a 1 credit class per semester class.

\*Dual credit course-LLCC credit contingent on qualifying and meeting requirements.

170430-- **INTERRELATED COOPERATIVE EDUCATION PROGRAM (IR)** 2 Semesters (G) 11-12 Please refer to course description listed under Business on page 9.

## MATHEMATICS

- 130210 **PRE-ALGEBRA** (G ) 2 sem. 9-10 A course designed for strengthening basic  
132210 math skills. It is also an introduction to the study of Algebra I.
- 130310 **ALGEBRA I** (G) 2 sem. 9-12 A course that teaches the students to understand  
132310 algebraic structures.
- 9/10 **GEOMETRY** 9/10 and 11/12 (G) 2 sem. 9-12 Prerequisite: Algebra I. This course  
130220 teaches spatial relations and manipulation of figures in many applications. It is  
132220 designed to teach students to provide evidence in problem solving and to identify and  
11/12 develop patterns, as well as be able to analyze the possible solutions and determine  
130200 one that will work.  
132200
- 130131 **ALGEBRA II** (A) 2 sem. 10-12 Prerequisite: Geometry. This course is designed for  
132131 the college bound student who intends to study Mathematics beyond this level.  
Algebra I topics are reviewed and extended. Then advanced algebra topics are studied  
emphasizing their theory and applications.
- 130130 **ALGEBRA II** (G) 10-12 Prerequisite: Geometry. This course reinforces Algebra I  
130120 and gives a deeper insight into function, theory, and graphing.
- 130141 **MATHEMATICAL ANALYSIS** (A) 2 sem. 11-12 Prerequisite: Algebra II (A)  
132141 Mathematical Analysis is designed for the college prep student and consists of a basic  
study of models of functions, analytic geometry, trigonometry, discrete math and linear  
algebra.
- 130241 **CALCULUS** (A) 2 sem. 12 Prerequisite: Mathematical Analysis which may be taken  
132241 concurrently, with approval of instructor and administration. This course is designed  
for the student that will study Calculus in college. Topics included are a review of  
functions and analytic geometry, derivatives of algebraic functions and their  
applications, and integration and applications of the definite integral.
- 130300 **VOCATIONAL MATH** (G) 1 sem. 10 Placement in this course is determined by  
Explore test scores. Basic math skills and operations are reviewed and their application  
to practical functions emphasized.
- 130100 **WORK KEYS MATH** (G) 1 sem. 11  
Work Keys Math is a semester class intended to prepare students for the general  
algebra and geometry application section of the PSAE. Placement in the class is based  
on the PLAN test math score from the student's sophomore year.

## MISCELLANEOUS

98000 **ACT PREP** (P/F) 1 sem. 11 & 12

This course is designed to assist students in reviewing material found on the ACT. Test-taking strategies will be presented. ACT Online Prep and The Real ACT Prep Guide book will be utilized. Topics covered are Math, Science, English, Reading and Writing.

## MUSIC

- 210110 **CONCERT CHOIR** (G) 2 sem. 9-12 This mixed group will concentrate on vocal  
212110 technique, music reading, and performance of music in a variety of styles. Students are responsible for the care and cleaning of a school-owned uniform. Participation in scheduled performances, concerts and contests is required and is part of the overall grade rubric.
- 210210 **BAND** (G) 2 sem. 9-12 This course is designed to give instrumental music experience  
212210 in marching, concert, and pep band music. Participation in concerts, contests, pep and marching band is required and is part of the overall grade rubric. Students are responsible for the care and cleaning of a school-owned uniform. New students must have been enrolled in band the previous semester or have permission of the director to enroll.
- 210115 **BAND/CHOIR** (G) 2 sem. 9-12 Student may take this course if he/she would like to  
212115 earn a combination credit for band and choir. Refer to those course descriptions.
- 210410 **MUSIC FUNDAMENTALS I** (G) 1 sem. Prerequisite: Member of high school choir or band for a minimum of two years or preapproval of instructor. This one semester course will cover the basic elements of musical notation. Students will begin with notes and rest values, time signatures, dynamics, flats, sharps, naturals and enharmonics. Next, the students will continue into major scales, key signatures, chromatic scales and circle of fifths. Basic ear training is included as well as listening to music styles from historical periods. Music Theory worksheets and computer software will be used instead of a textbook.
- 210420 **MUSIC FUNDAMENTALS II** (G) 1 sem. Prerequisite: Successful completion of Music Fundamentals I. A continuation of Music Fundamentals I. Students will study intervals, transposition, advanced time signatures, advanced rhythms, triads, chords, and progressions, minor scales, modes, composition, blues scale and musical forms. More complex ear training and listening to music styles from historical periods. Music Theory worksheets and computer software is used.

## SCIENCE

- 140110 **PHYSICAL SCIENCE (G)** 2 sem. 9 A course intended to acquaint the student with  
142110 concepts of matter and energy fundamental to the physical universe; a foundation course for later in depth studies of chemistry, physics, and biology.
- 140120 **BIOLOGY I (G)** 2 sem. 10-12 Prerequisite: Physical Science. The study of life in  
142210 the form of the various kingdoms to include plants, animals, protists, fungi, eubacteria, and archaeobacteria. Emphasis is also placed on ecology, chemistry of life, genetics, cell theory, plant taxonomy, as well as evolution. The course includes many laboratory investigations emphasizing a problem-solving approach necessary for advanced science.
- 140130 **PRE-AP BIOLOGY I (G)** 2 sem. 10-12 Prerequisite: Physical Science.  
142130 Sophomore Biology class for students considering enrollment in AP Biology as a junior or senior.
- 140140 **EARTH/SPACE SCIENCE (G)** 1 sem. 11-12 Prerequisite: Physical Science.  
Earth Space Science is a one-semester course offering a descriptive study of astronomy and our earth. Topics in the Space science component of the course may include the solar system, the sun and stars, galaxies, and the latest astronomical discoveries on-line. Topics in the Earth Science component include weather, geology, and the physical processes that shape the Earth, and interactions between the different systems of the world in which we live.
- 140131 **BIOLOGY II (A)** 2 sem. 11-12 Prerequisite: A minimum grade of "B" or better in  
142131 Biology I or permission of instructor. Students not meeting these requirements may take Earth/Space Science. Biology II will introduce students to a variety of higher level concepts. The class will cover the animal kingdom, with emphasis on the nine major phyla of animals. Animal dissection is part of this curriculum. Other topics covered will include organic chemistry, genetics, plant and animal respiration.
- 140133 **AP BIOLOGY (AP)** 2 sem. 11-12 Prerequisite: Chemistry or be concurrently  
142133 enrolled.142133 Description for PORTA AP Biology class is being developed. The following excerpt from AP Central offers explanation of the direction of the course  
The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The ongoing information explosion in biology makes these goals even more challenging. Primary emphasis in an AP Biology course should be on developing an understanding of concepts rather than on memorizing terms and technical details. Essential to this conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns. (from College Board AP-[www.collegeboard.com](http://www.collegeboard.com)).
- 140231 **CHEMISTRY (A)** 2 sem. 11-12 Prerequisite: Biology I. This introductory course  
142231 emphasizes chemical theory and its application. Topics addresses include atomic structure, the periodic table, chemical bonding, reactions, gas laws, solutions, and acid/base chemistry. Hands on laboratory work is a strong part of this course.

140331 **PHYSICS (A)** 2 sem. 11-12 Prerequisite: Biology I, after or concurrently with  
142331 Algebra II and Math Analysis. Physics is the study of matter and energy and the relationships between the two. Topics covered in this course include motion (velocity and acceleration), forces (both one and two dimensional), work and energy, waves (sound and light, and electricity (static and circuits). Strong emphasis is placed on problem-solving in this course.

**AP PHYSICS C (AP)** 2 sem. 12 Prerequisite: Physics Description pending.  
It is anticipated this course will be available to seniors in the fall of 2012.

140141 **HUMAN ANATOMY AND PHYSIOLOGY (A)** 2 sem. 12 Prerequisite: A grade of  
142141 “B” or better in Biology I or permission of instructor. Chemistry strongly  
recommended. The comprehensive systemic anatomy and physiology of the human nervous system, muscular, skeletal, cardiovascular, lymphatic, and integument systems will be covered.

180430 **ADVANCED PLANT SCIENCE (BSAA PLANT SCIENCE)** (G) 1 sem. 11-12  
Prerequisite: Biology I or Applied Biology or the consent of both instructors. This course is designed to reinforce and extend students' understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Scientific content and process will be integrated Through the use of numerous laboratory experiments. This course may be used as science credit towards graduation.

180140 **ADVANCED ANIMAL SCIENCE (BSAA ANIMAL SCIENCE)** (G) 1 sem. 11-12  
Prerequisite: Physical Science and Biology I or Applied Biology or consent of both  
instructors. Advanced Animal Science is a course designed to reinforce and extend students' understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. This one-semester course will deepen students' understanding of science as content and as a process through the use of numerous laboratory exercises and experiments. Students can also establish a Supervised Agricultural Experience Program and participate in agricultural science activities of the FFA. Sample topics include: 1) Growth and Development of Animals—embryology, ethology, nutrition, immunity systems: and 2) Processing Animal Products—preservation, fermentation, and pasteurization. This course may be used as science credit for graduation.

## SOCIAL STUDIES

- 120110 **GLOBAL STUDIES** (G) 2 sem. 9-10 This course is an outline of geographical  
122110 aspects of various regions throughout the world. Major historical events and culture of each region will be covered to provide students with a fundamental background in history. The Illinois Constitution requirements will also be completed in the first three weeks of the first semester. It is recommended that students select Global Studies or World History to meet a department requirement of two credits for graduation.
- 120310 **WORLD HISTORY** (G) 2 sem. Recommended 9-10. This course traces the great  
122310 themes in the story of man's civilization from prehistoric times to modern times. The Illinois Constitution requirements will be completed in the first three weeks of the first semester. It is recommended that students select Global Studies or World History to meet the department requirement of two credits for graduation.
- 120130 **AMERICAN HISTORY** (G) 2 sem. 11 This course is a Junior requirement for  
122310 graduation. It covers our heritage and evolution as a nation in depth. An intense study of the U.S. Constitution will fulfill the requirements for graduation.
- 120230 **CURRENT SOCIAL ISSUES I** (G) 1 sem. 11-12 The major objective of this course is to make students more aware of what is going on in the world around them and what resources are able to help them achieve this. This course addresses the major social, economic, and political problems that face our nation and the world today. It will provide an opportunity for students to think critically, draw conclusions and formulate their own opinions on relevant issues. Resources for this course will include the **State Journal Register**, magazines such as **Newsweek** and **U.S. News and World Report**, the Internet and various television shows, i.e. **20/20, 60 Minutes**. Some formal writing will be required although the main focus of the class will be group discussion based upon individual research. **Current Social Issues I will be offered first semester.**
- 120240 **CURRENT SOCIAL ISSUES II** (G) 1 sem. 11-12 Content similar to Current Social Issues I, but offered second semester. Students can take both I and II or either I or II. Students do not have to take I before II.
- 120141 **POLITICAL SCIENCE I** (A) 1 sem. 11-12 This course is recommended to average and above average students majoring in social studies and humanities. Political Science is an advanced analysis of the American and International political systems.
- 120151 **POLITICAL SCIENCE** (A) 1 sem. 11-12 This course is a continuation of Political Science I. The election processes and government at all levels are studied in depth.
- 120341 **PSYCHOLOGY** (A) 2 sem. 12 This course stresses the scientific view of human  
122341 behavior. Some students who take this course may elect to take the advanced placement exam in the spring, which can provide college credit.

120441 **SEMINAR IN U.S. HISTORY I & II** (A) 2 sem. 12 Prerequisite: Minimum of a C  
122441 average in U.S. History or by approval from instructor. This course is an elective for college bound seniors who wish to take a more in-depth look at selected topics in U.S. History. The class will involve lecture, discussion, group exercises and research projects. Topics will vary each semester so students may take both Seminar I and II to earn 1.0 accelerated credit. Sample topics include, The Civil Rights Movement, Historic U.S. Supreme Court Decisions, The American Presidency, The Roaring Twenties, The Great Depression, 20<sup>th</sup> Century American Culture, and 20th Century American Sports, Famous 20<sup>th</sup> Century Americans, Vietnam, Watergate and the History of Petersburg.

## SPECIAL EDUCATION

It is anticipated that the following courses will be offered through our Special Education department during the 2011-2012 school year. However, changes additions and/or corrections in the individual education plans of our students may necessitate changes.

910112 **ENGLISH 9 (R)** – 2 Sem. Prerequisite: None. This course works on spelling, sentence structure, correct usage, paragraph writing, word meaning and reading skills. Placement will be determined at an annual IEP meeting for the student.

910122 **ENGLISH 10 (R)** 2 sem. 10 Prerequisite: English 9. The course deals with developing reading skills, refining basic writing skills, and studying world literature. This course also helps in mastering techniques that are vital to success in coping with our present day world. The specific goals and objectives will be outlined in each student's IEP. Placement will be determined at an annual IEP meeting for the student.

910132 **ENGLISH 11 (R)** 2 sem. 11 Prerequisite: English 10. The course is designed to cover most of the major content of American Literature and Composition. Students will read and interpret a variety of literary selections – poetry, short stories, novels, plays and historical documents and will study and produce a variety of writings. This course also helps in mastering techniques that are vital to success in coping with our present day world. The specific goals and objectives will be outlined in each student's IEP. Placement will be determined at an annual IEP meeting for the student.

910142 **ENGLISH 12 (R)** 2 sem. 12 Prerequisite: English 11. The purpose of English 12 is to enhance reading and writing skills as they pertain to real world experiences. Placement is determined by a student's IEP.

911122 **SPEECH (R)** 1 sem. 10 This required course focuses on the student as the public speaker. The student will be required to deliver speeches for a variety of purposes. Placement determined by a student's IEP.

913112 **MATH 9 (R)** 2 sem. 9 Prerequisites: None. The premise of this course is to improve student's computational skills while gaining an understanding of how application of math concepts relate to everyday life. This class also serves as an introduction to the study of Algebra I. The specific goals and objectives will be outlined in each student's IEP. Placement will be determined at an annual IEP meeting for the student.

913122 **MATH 10 (R)** 2 sem. 10-11 Prerequisite: Math 9. This course teaches the students to understand algebraic concepts. Placement is determined by a student's IEP.

914112 **MATH 11 (R)** 2 Sem. 11-12 Prerequisite: Math 10. This course teaches Geometry concepts required for graduation. Placement is determined by a student's IEP.

915112 **PHYSICAL SCIENCE (R)** 2 Sem. 9-10 Prerequisite: None. This course will broaden the student's general knowledge in the area of science as it relates to the different forces in our world and how we can use those forces to make life better. Placement is determined by a student's IEP.

915132 **BIOLOGY (R)** 2 sem. 9 or 10 Prerequisite: None. The course is designed to cover most of the major content of Biology I. The study of life in the various domains, including humans. The course includes laboratory investigations emphasizing a problem

solving approach necessary for the advanced science classes. Placement will be determined at an annual IEP meeting for the student.

915122 **EARTH/SPACE SCIENCE** (R) 1 Sem. 11-12 Prerequisite: None. Earth /Space Science is a one semester course that includes the topics of the solar system, the sun and stars, galaxies, weather, geology, and the physical processes that shape the earth. Placement is determined by a student's IEP.

911112 **GLOBAL STUDIES** (R)– 2 Sem. 9 Prerequisites: None. This course focuses on regional geography, history, and culture. This course will broaden and enrich students' global awareness. Placement is determined by a student's IEP.

911142 **AMERICAN HISTORY** (R) 2 Sem. 11 Prerequisites: None. This course is a requirement for graduation. It covers our heritage and evolution as a nation. The U.S. Constitution will also be covered to fulfill the requirements for graduation. Placement is determined by a student's IEP.

912132 **RESOURCE MANAGEMENT** (R) 1 Sem. 10 Prerequisites: None. This course is a requirement for graduation. The following topics will be discussed: careers, wages, budgeting, banking, credit and taxes. Placement is determined by a student's IEP.

914122 **PRE-VOCATIONAL** (R) 2 sem. 11-12. Can be repeated. Prerequisite: None. This is provided as a supplement to the STEP work program. A student enrolled in Pre-Vocational earns 1 credit per year for classroom instruction and various credits per year for the job experience. The Pre-vocational class emphasizes workplace skills such as seeking and applying for employment, communicating on the job, maintaining professionalism, workplace ethics, etc. Placement will be determined at an annual IEP meeting for the student.

990072 **LIFE SKILLS** (R) 2 Sem. 9-12 Learning self help skills used in everyday life, i.e. mapping, organizing, and hygiene. Placement determined by a student's IEP.

990022 **COMMUNITY MATH** (R) 2 Sem. 9-12. Using Math in a community setting, planning, budgeting, shopping, using dollar plus method. Placement determined by a student's IEP.

990032 **RECREATION AND LEISURE** (R) 2 sem. 9-12. Planning a leisure activity, learning how to do new activities, learning teamwork and sportsmanship. Placement determined by a student's IEP.

990082 **DOMESTIC** (R) 2 sem. 9-12. Learning how to do household chores such as cleaning, vacuuming, ironing, laundry, etc. Placement determined by a student's IEP.

990042 **HOME ECONOMICS** (R) 2 Sem. 9-12. Using simple directions to cook easy meals and snacks independently. Placement determined by a student's IEP.

990112 **VOCATIONAL** (R) 2 Sem. 9-12. Learning job skills, filling out job applications, etc. Placement determined by a student's IEP.

990092 **SCHEDULES (R)** 2 Sem. 9-12. Reviewing daily calendar, weather, reading a schedule,  
992092 and planning daily activities. Placement determined by a student's IEP.

990122 **OCCUPATIONAL AND PHYSICAL THERAPY (R)** 2 Sem. 9-12. Foot mobility  
992122 and stretching and exercising the muscles. Placement determined by a student's IEP.

914114 **STUDENT TRANSITION EXPERIENCE PROGRAM (STEP) (R)** 2 Sem.  
912114 A supervised work experience. Placement determined by a student's IEP.

## **SPEECH**

110120 **SPEECH** (G) 1 sem. 10 This required course focuses on the students as a public speaker. The student will be required to deliver speeches for a variety of purposes. They will be required to research speech topics and to write a bibliography listing the materials they have used to outline the information. Students will follow a variety of formats and supply appropriate support materials for their speeches. They will study skills in audience analysis, conquering stage fright, and developing verbal and non-verbal skills. They will also participate in critical thinking, listening and evaluation skills activities.

# **NOTES AND REMINDERS**