

## TABLE OF CONTENTS

	<b>Page(s)</b>
Introduction to this Guide	1
Considerations for Scheduling	1
Rules for Scheduling	1
Registration Procedures	1
A Message To Athletes	2
Schedule Change Policy	2
Additional Scheduling Requirements	2
Promotion Criteria	2
Class Rank/Transcripts	2
Honor Rolls	3
Academic Honors – Class of 2014 and beyond	3
Graduation Requirements	3-4
Post Secondary Options Program	4
College Preparatory Curriculum	5
Diploma With Honors	5
Great Oaks Vocational programs	5
Art Course of Studies	6
Music Course of Studies	7
Business Education Course of Studies	7
English Department Course of Studies	8-10
Foreign Language Course of Studies	10
Family & Consumer Sciences Course of Studies	11
Technology Course of Studies	12
Computer Science Education Course of Studies	13
Agriculture Education Course of Studies	13-15
Mathematics Course of Studies	16-18
Science Course of Studies	19-21
Social Studies Course of Studies	22-23
Physical Education Course of Studies	24

# BLANCHESTER HIGH SCHOOL CURRICULUM GUIDE

The administration, guidance department, and teaching staff at Blanchester High School are committed to working directly with students and parents. The goal is to provide a smooth transition from junior high school through high school and on to college, technical school, or the world of work.

This curriculum guide for pupils and parents presents requirements for graduation, course descriptions, college admissions requirements, vocational school admissions information, types of diplomas, and additional information needed to select a program of study at Blanchester High School. Each student is advised to use this information to prepare a four-year plan of study that will suit his/her plans for graduation and his/her personal goals.

In addition to academic pursuits, students are encouraged to participate in extra-curricular activities. We also believe that volunteering in community service and/or having a part time job (with limited hours) provide valuable experiences. The combination of a strong academic program or technical program and the personal experiences gained by participating in extra-curricular activities will enhance the students' options for the future.

Scheduling requires thoughtful decisions. **COURSE CHOICES ARE CONSIDERED FINAL.** Students and parents are invited to consult with the counselor when questions arise. For the course registration process, students will be given the Curriculum Guide, a list of course offerings for their grade level, and the Course Registration Form. Students will be notified if the course offerings they select need to be modified.

## SCHEDULING

We are all very concerned with providing your son/daughter with a sound and meaningful education. The extra time and thought spent before scheduling will help things run smoothly next year.

Consider all factors (such as these) before you turn in a schedule request form:

- ⇒ Are all required courses scheduled?
- ⇒ Will this schedule challenge the student?
- ⇒ Will the student be overloaded with homework?
- ⇒ Will the student have a study hall?
- ⇒ Has the student taken the necessary courses for admission to the Great Oaks Vocational Center?
- ⇒ Has the student taken appropriate academic classes to meet college entrance requirements?
- ⇒ Has the student taken enough classes to meet requirements for athletic participation?

## RULES FOR SCHEDULING

1. All students are required to take at least six (6) classes each semester.
2. Credit for one semester of a full year subject will not be granted.
3. Subjects must be taken in the proper sequence (example: Algebra I prior to Algebra II). Prerequisite means the requirement(s) that must be met before the student may enroll in a particular course. A course and its prerequisite may not be taken simultaneously unless permission is granted by the principal. Check for prerequisite(s) for individual courses.
4. Students are to make schedule changes within the first ten (10) days of the new school year. **No student requested changes will be made after this ten-day period (no changes at the beginning of second semester).**
5. All failed credits should be made up at the first opportunity. The same subjects need not be repeated except in the case of required subjects.
6. Students who have previously failed an elective may reschedule the same elective by permission from the teacher only. In cases where the number per class is limited, preference will be given to students taking the elective for the first time.
7. If a student retakes a class because of a low grade, the grade from the retaken class will count in the core GPA. The original grade will count as an elective. Both grades will be part of the cumulative GPA.
8. In cases where the class size is limited, preference in scheduling will be given to upper-class students. In cases where the limit falls within the same class, preference will be given to the students with the highest overall grade point average.
9. **A ten day trial period will be required of all students who enroll at the Great Oaks Vocational Center.** Any student who wishes to return to Blanchester High School must make an appointment to schedule classes **by the eleventh day of class at Great Oaks.**
10. If a student subject selection form is not returned with a parent's signature, the course choices made with the approval of an administrator or the guidance counselor will go into effect.
11. Class sections are determined by the number of students who select classes during the initial registration period. Classes may not be available to those students who attempt to enroll at a later date.
12. Students who wish to take an honors course must have earned a B or better in the prerequisite subject area course and/or have a teacher recommendation..

## A SPECIAL MESSAGE TO ATHLETES

If you plan to participate in any of the athletic programs (including cheerleading) at Blanchester High School, keep in mind the following eligibility requirements as you formulate your schedule.

1. By policy of the local board of education, an athlete must be passing at least 5 classes at all times (this does not include Physical Education Classes). This requirement is checked each week by the athletic director.
  - a) An athlete who does not meet this requirement is ineligible for one week.
  - b) Credit value of a class is not a factor. A student must be passing any five classes (this does not include Physical Education Classes).
2. By policy of the Ohio High School Athletic Association, at the end of each grading period, an athlete must be passing classes that total at least **5 credits**.
  - a) An athlete who does not meet the O.H.S.A.A. requirement is ineligible for the entire next grading period.  
Note: The grades in the final grading period of the current year will determine your eligibility for the first grading period of the next school year.
  - b) The credit value of a class is a factor in this requirement; for the purpose of this policy, all classes are worth at least one credit, **EXCEPT PHYSICAL EDUCATION CLASSES** which are worth only  $\frac{1}{4}$  of a credit.

It is important that all student athletes schedule enough classes to meet the eligibility requirements. **If a student athlete has a physical education class (this includes weight lifting), it would be wise not to schedule any study halls that semester.**

## SCHEDULE CHANGE POLICY

During the time between registration and the beginning of the school year, students and parents may discuss and request schedule changes. Any courses dropped after the first 10 days of the school year will be recorded on the transcript as “withdraw failing” (see course drop policy). Students should be aware that a “withdraw failing” will negatively affect their GPA.

## ADDITIONAL SCHEDULING REQUIREMENTS

- Be certain that you have the required prerequisites to select a course.
- Be certain that you READ the COURSE DESCRIPTIONS (or speak to the teacher teaching the course) to understand what you are taking.
- There are seven periods; you must have at least six courses each semester.
- SCHEDULE CHANGES MUST ADHERE TO THE SCHEDULE CHANGE POLICY.

## PROMOTION CRITERIA FOR GRADE LEVEL PLACEMENT

First Full Year of Attendance	9 <sup>th</sup> Grade
Second Full Year of Attendance	10 <sup>th</sup> Grade
Third Full Year of Attendance	11 <sup>th</sup> Grade
Fourth Year of Attendance and 15 Credits	12 <sup>th</sup> Grade

## CLASS RANK / TRANSCRIPTS:

At the end of each semester, class rank is calculated using final grades attained in all subjects (A-4, B-3, C-2, D-1, F-0). The signed and sealed transcript, which accompanies college applications, includes all course work attempted, Grade Point Average, and Rank in Class.

## HONOR ROLLS:

At the conclusion of each grading period, Blanchester High School recognizes the outstanding academic achievement of our students by publishing the Honor Rolls. There are three honor rolls:

1. Star Honor Roll – The student has earned all A's (4.0 GPA).
2. Honor Roll – The student has earned all A's or B's and a GPA between 3.6 – 3.99.
3. Merit Roll – The student has earned A's or B's, no more than one C, no grade lower than a C, with a GPA between 3.0 – 3.599.

Numerical guidelines: A=93-100; B=84-92; C=73-83; D=65-72; F=0-64.

The valedictorian(s) of a class will be the student(s) with the highest grade point average calculated at the conclusion of the 4<sup>th</sup> nine weeks of the senior year and meets the requirements of the honors diploma.

The salutatorian(s) of a class will be the student(s) with the second highest grade point average calculated at the end of the 4<sup>th</sup> nine weeks of the senior year and meets the requirements of the honors diploma.

Final class rank will be determined at the end of the school year.

## ACADEMIC HONORS – CLASS OF 2014 AND BEYOND

To be eligible for awards, including but not limited to Valedictorian, Salutatorian, Top Ten, or Ohio Academic Scholarship, your child must be enrolled for four (4) consecutive semesters prior to the second semester of his/her senior year at Blanchester High School and **must be eligible for an Honors Diploma**. Your child's grade point average, for such award purposes, will be established after she/he has completed four (4) consecutive semesters of attendance at Blanchester High school prior to the second semester of her /his senior year.

### Valedictorian and Salutatorian:

The Valedictorian is the student(s) in a graduating class who has earned the highest four (4) year cumulative grade point average (GPA) and has earned an Honors Diploma. The Salutatorian is the student(s) in a graduating class who has earned the second highest four (4) year cumulative grade point average (GPA) and has earned an Honors Diploma. The "Top Ten" ranking will be awarded to the ten students in the graduating class who have earned the highest four year cumulative grade point average and have earned an Honors Diploma.

## BHS GRADUATION AND COURSE REQUIREMENTS GRADUATING CLASSES OF 2014 AND BEYOND

Students must meet both testing requirements and curriculum requirements in order to earn a diploma. These requirements apply to students entering their freshman year in 2014 and beyond.

<u>Curriculum Requirements</u>	<u>State Minimum</u>
English Language Arts	4 units
Health	½ unit
Mathematics	4 units <sup>1</sup>
Physical Education	½ unit
Science	3 units <sup>2</sup>
Social Studies	3 units <sup>3</sup>
Electives	6 units <sup>4</sup>
<u>Other Requirements</u> <sup>5</sup>	
Economics and Financial Literacy <sup>6</sup>	Requirement met in _____ class/grade level.
Fine Arts	Requirement met in _____ class/grade level.
Computer Applications (1/2 credit)	Requirement met in _____ class/grade level.

- <sup>1</sup>Mathematics units must include 1 unit of Algebra II or the equivalent of Algebra II
- <sup>2</sup>Science units must include 1 unit of Physical Sciences, 1 unit of Life Sciences, and 1 unit advanced study in one or more of the following Sciences: Chemistry, Physics, or other Physical Science; Advanced Biology or other Life Science; Astronomy, Physical Geology, or other Earth or Space Science.
- <sup>3</sup>Social Studies units must include 1 unit of world studies, 1 unit of American History and 1 unit of American Government.
- <sup>4</sup>Elective units must include any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education or language arts/English, mathematics, science or social studies courses not otherwise required.
- <sup>5</sup>Flex Credit is available through approval by an administrative team.
- <sup>6</sup>All students must receive instruction in economics and financial literacy and must complete at least two semesters of fine arts during grades 9-12. Students following a career-technical pathway are exempted from the fine arts requirement.

### **POST-SECONDARY OPTIONS PROGRAM**

1. You may enroll in post-secondary, non religious courses under this program if you are an Ohio high school student. If you are a ninth grader you may enroll for up to eight semesters or the equivalent of four academic years.  
If you are a tenth grader, you may enroll for up to six semesters or three academic years.  
If you are an eleventh grader, you may enroll for up to four semesters or the equivalent of two academic years.  
If you are a twelfth grader, you may enroll for up to two semesters or the equivalent of one academic year.  
If you enroll in the middle of a year, your eligibility will be prorated.
2. There are two options related to the type of credit that you elect at the time of your enrollment in a college course. Option A allows you to choose to receive post-secondary (college) credit only. Option B allows you to choose to receive high school credit and post-secondary credit.
3. By March 1, in the years that you are an eighth through eleventh grade student, your high school will provide you and your parents with general information about the program. A special meeting is scheduled in February to present this information.
4. You and your parents must ask the high school for counseling assistance.
5. **By March 30**, you must notify your high school if you intend to participate in the program in the following school year. If for some reason you decide after March 30 that you do not want to participate in the post-secondary options program, you should notify the guidance counselor immediately.
6. Before you enroll in any courses, you and your parents must sign a statement indicating that you have received information about the program and are aware of your responsibilities regarding the program.
7. You must be admitted by an eligible post-secondary institution. The post-secondary institution you want to attend may have special entrance requirements you must meet before you can take courses there.
8. You will have to decide whether to take a course for secondary (high school) and post-secondary (college) credit or for post-secondary credit only. If you take more than one course, you may take some for post-secondary credit only (option A) and some for secondary and post-secondary credit (Option B).
9. Your high school determines the number of high school credits you receive for post-secondary courses taken for secondary credit. If you disagree with the decision, you may appeal to the State Board of Education.
10. If you choose to take the course for post-secondary credit only, you will pay for the cost of tuition, textbooks, materials and fees.
11. If you choose to take the course for secondary and post-secondary credit, the cost of tuition, textbooks, materials and fees will be paid for you. You may need to pay for equipment which you keep such as tools or a calculator. You will receive post-secondary credit from the institution where you took the courses. If you decide to enroll in another post-secondary institution, you may request the institution to transfer these credits.
12. You may attend a post-secondary institution either full-time or part-time.
13. You may apply to your local school district to be reimbursed for transportation expenses you incur under the program. The State Board of Education has established guidelines to determine eligibility. Eligibility is based on the same formula used to determine eligibility for free or reduced lunches. No funds are available for room and board.
14. Post-secondary course grades will affect the high school grade point average and class rank.
15. **It is an Ohio State law that if a student does not earn credit in a college course, the student must reimburse Blanchester Local School District for the cost of that course.**

## BLANCHESTER'S COLLEGE PREPARATORY CURRICULUM

The Ohio Board of Regents recommends the following as the high school college preparatory curriculum that students should select:

- English: 4 years with emphasis on writing and literature.
- Mathematics: minimum 4 years (Honors Algebra I, Honors Geometry, Honors Algebra II) and if majoring in engineering, scientific, health-related, business or technical areas, then Advanced Math and/or Calculus are recommended.
- Science: 4 years (Honors Biology, Honors Chemistry I). Physics is highly recommended for majors in engineering, medical or technical fields.
- Social Studies: 3 years (World Studies, American Studies, American Government)
- Foreign Language: At least 2 years of the same language
- Fine Arts: 1 year of a visual, creative, or performing art

### DIPLOMA WITH HONORS

Diplomas with Honors requirements pre-suppose completion of all high school diploma requirements. Students need to fulfill all but one of the following eight (8) criteria:

1. Earn four (4) units of English, including at least two years of Honors or AP
2. Earn four (4) units of Math, including Honors Algebra I, Honors Geometry, Honors Algebra II or equivalent and another higher level course or a four-year sequence of courses that contains equivalent content
3. Earn four (4) units of Science, including physics and Honors Chemistry
4. Earn four (4) units of Social Studies
5. Earn either three (3) units of one foreign language or two (2) units each of two (2) foreign languages
6. Earn one (1) unit of Fine Arts
7. Earn at least a 3.5 on a 4.0 scale
8. Earn at least 27 on the ACT (excluding the optional writing test) or a combined score of 1210 on the SAT verbal and mathematics sections (excluding the required writing section)

### GREAT OAKS VOCATIONAL PROGRAMS: LAUREL OAKS Grades 11-12

Today, employers are looking for skilled and well-trained employees. Great Oaks is attempting to meet this need. Laurel Oaks offers a variety of career programs.

Students going to Laurel Oaks will qualify for a Blanchester High School Diploma if all of the Blanchester requirements for graduation are met, plus they will receive a vocational certificate.

### CREDIT RECOMMENDATIONS FOR ADMISSION TO LAUREL OAKS

Credits earned through the Sophomore Year:

2 units of English	2 units of social studies (World Studies, American Studies)
2 units of math	½ unit of health, ½ unit of Phys. Ed., ½ unit of Info Tech
2 units of science	

Students with deficiencies may enroll with the understanding that these deficiencies must be made up before graduation. **Make-up work is always at an additional cost to the student. After the first eleven days of school, a student may not return to Blanchester High School during that school year.** A student may make arrangements to return to Blanchester High School the following school year.

# ART COURSE OF STUDY

## 121 PHOTOGRAPHY (1 Semester)

OPEN TO: 10 – 12

CREDIT: .5

REQUIREMENTS: Must have a digital camera with MANUAL CONTROLS (see Mrs. Stahley if you have questions)

Photography is a course designed to teach students how to use a digital camera and to explore the world of photography. We will begin by learning the technical aspects of how to use the camera and manipulate its manual controls. We will then progress into compositional techniques used to create a deliberate image. Students will be required to devote time outside of class photographing their subjects.

## 122 BEGINNING 2D (1 Semester)

OPEN TO: 10 -12

CREDIT: .5

Beginning 2D is a course designed for students who are interested in learning about drawing, painting, and other two-dimensional media. We will first focus on the technical aspects of creating 2-dimensional artwork. Once students have gained adequate skills in drawing, they will then use those skills to convey their own creative ideas.

## 123 ADVANCED 2D (1 Semester)

PREREQUISITE: Beginning 2D or Studio Art

OPEN TO: 10 – 12

CREDIT: .5

Advanced 2D is a course designed for students who are serious about two-dimensional art. Students will refine their skills and explore who they are as artists. They will have freedom to develop artistic prompts in whatever way they choose. It will be necessary for students to think independently in order to create works that reflect them as artists.

## 124 BEGINNING 3D (1Semester)

OPEN TO: 10 – 12

CREDIT: .5

Beginning 3 D is a class designed to teach students the fundamentals of sculpture. We will begin by learning the three main building techniques of clay: pinch, coil, and slab. Students will then use their knowledge of these techniques to express their own creative ideas.

## 125 ADVANCED 3D (1 Semester)

PREREQUISITE: Beginning 3D or Ceramics I

OPEN TO: 10 – 12

CREDIT: .5

Advanced 3 D is a course designed for students who are serious about three-dimensional art. Students will use the skills and knowledge they gain from Beginning 3D and apply them to new material. We will explore the use of non-traditional material such as packing tape, organic material, found objects, and more.

## 126 ADVANCED PHOTOGRAPHY (1 Semester)

PREREQUISITE: Photography

OPEN TO: 10 - 12

CREDIT: .5

Requirements: Must have a digital camera with MANUAL CONTROLS (see Mrs. Stahley if you have questions)

Advanced Photography is a course designed to allow students to develop their creative talent with the skills they learned from Beginning Photography. Students will be creating meaningful bodies of work and trying new techniques. In addition to individual projects, we will work in conjunction with the yearbook to document student life here at Blanchester. Students will be required to devote time outside of class photographing their subjects.

## 127 INDEPENDENT ART (1 Semester)

PREREQUISITE: Advanced 2D or Advanced 3D

OPEN TO: Teacher recommendation only

CREDIT: .5

Independent Art is a course designed to aid serious art students in creating an art portfolio. Students will be expected to work independently, communicating their own ideas. They will be responsible for choosing, researching, and developing a theme throughout the semester in many different media and techniques.

## **MUSIC COURSE OF STUDY**

### **141 BLANCHESTER HIGH SCHOOL CHORUS** (1 or 2 Semesters)

OPEN TO: 9-12

CREDIT: 1 or .5 credit per semester

The high school chorus offers the student contact with choral music stemming from the beginnings of our modern Western Civilization to present day classics and popular styles. Music from the Baroque, Classical, and Romantic Periods as well as the 20<sup>th</sup> Century are performed along with recent (1950's to the present) Popular and Folk Music. Students are required to interview with an audition to test for minimum proficiency. The main requirement for acceptance will be the willingness to sing and participate in the group activities. These activities include, but may not be limited to: concerts, performances at sporting events, performances at school events such as Graduation and fund-raising. Grades are based on musicianship, performances, singing test/quizzes, and some written assignments.

### **142 BLANCHESTER WILDCAT BAND** (2 Semesters)

OPEN TO: 9-12

CREDIT: 1

The Blanchester Band is made up of seniors, juniors, sophomores, and freshmen brought together for the purpose of learning precision and musical interpretation with performance as a finished product. The band will perform at home and away football games, all home boys' basketball games, community parades during the school year and summer, various competitions during the fall, and the concert band will perform several concerts throughout the rest of the school year. Attendance at all events is mandatory. Band camp, which is mandatory, is held during the last part of July, and is a prerequisite for marching band. There are fees associated with band and band camp that must be paid prior to the last day of school, the previous school year.

### **144 MUSIC APPRECIATION** (1 Semester)

OPEN TO: 9-12

CREDIT: .5

Music appreciation surveys many music styles and genres from classical to pop. Classroom activities include listening to music to analyze and respond to it, studying historical, cultural, and social connections in music, creativity with musical expression and communication, and reflection on the aesthetics of music. The course also examines connections, relationships, and applications of music with and to other art forms and disciplines. Grades are based on classroom engagement in discussion and activities, various assignments including journals, worksheets, projects, and reports, as well as written assessments. A variety of media is used in this course including recordings, books/magazines/newspapers, video, and internet based software.

## **BUSINESS DEPARTMENT COURSE OF STUDY**

### **203 ACCOUNTING** (2 Semester)

OPEN TO: 10 -12

CREDIT: 1

Accounting is taught as a marketable skill and for use as a personal tool. The basic principles are stressed throughout the course. Although all accounting systems differ somewhat, these basic principles will not change and this knowledge will greatly benefit anyone seeking an accounting career. This course is a study of assets, liabilities, capital, income, and expense accounts, and the debits and credits to these accounts. The reason "WHY" is learned for each posting; and the value of the various journals, ledgers, and financial statements is emphasized throughout the year. The students should be able to set up a new accounting system for his or her business or personal use. Workbook and practice set must be purchased.



## **ENGLISH DEPARTMENT COURSE OF STUDIES**

### **300 ENGLISH 9** (2 Semesters)

OPEN TO: 9

CREDIT: 1

English 9 is required for all students who are not enrolled in Honors English 9 and will incorporate all Ohio Standards for Grade 9 reading and writing. It will include a review of the fundamentals of English usage, an introduction to all steps in the writing process, and the study of literature to build vocabulary and comprehension skills. The course also introduces students to research skills.

### **300H HONORS ENGLISH 9** (2 Semesters)

PREREQUISITES: B or better in English 8 (teacher recommendation required)

OPEN TO: 9

CREDIT: 1

In addition to incorporating all Ohio Standards for Grade 9 reading and writing, in Honors English 9, students will explore literature from various cultures and time periods. They will interpret, analyze, evaluate and critique literature and demonstrate their understanding through discussions, presentations and essays. They will research various topics and will frequently write creative pieces using all steps in the writing process. Students will develop effective usage of sophisticated grammatical structures and descriptive language. Much independent work, including a summer reading component, will be required.

### **301 ENGLISH 10** (2 Semesters)

OPEN TO: 10

CREDIT: 1

English 10 is required of all sophomores who are not taking Honors English 10. The course will continue to build upon skills emphasized in English 9 and will address all Ohio Standards for grade 10 reading and writing.

### **301H HONORS ENGLISH 10** (2 Semesters)

PREREQUISITES: B or better in Honors English 9 (teacher recommendation required)

OPEN TO: 10

CREDIT: 1

Honors English 10 continues the skills emphasized in Honors English 9. Students will be expected to read challenging literature to prepare them for college-level material. The literature will include personal narratives, essays, novels, poems, plays, and short stories from a variety of cultures and time periods. Students will respond to these works using analytical, creative, written, and oral forms. The course's writing requirements will consist of formal and informal writing with revision, as well as a documented persuasive research project. In addition to completing whole-class reading and writing assignments, students will independently read a novel of their choice each quarter and complete a book project for each novel.

### **302 ENGLISH 11** (2 Semesters)

OPEN TO: 11

CREDIT: 1

English 11 is required of all students who are not enrolled in Honors English 11. The course will continue to build upon skills addressed in English 10 and will address all Ohio Standards for Grade 11 reading and writing. Students will study a variety of literary forms with an emphasis on American authors. Students will compose narrative and expository writing, including a research project. Through their writing, students will master writing conventions such as spelling, grammar, and punctuation, and they will apply communication skills in increasingly sophisticated ways.

### **302H HONORS ENGLISH 11** (2 Semesters) (Honors English 11 with Dual Enrollment Option in English Composition I - 3 semester hours)

OPEN TO: 11

CREDIT: 1

Prerequisite: Students must earn a B or higher in Honors English 10 and receive teacher recommendation. To enroll in dual credit, students must also meet the prerequisites required by Southern State Community College: Accuplacer Writing score of 5 or above or ACT English score of 18 or above.

Honors English 11, with the option to enroll in the dual credit English Composition I course at Southern State Community College, is a rigorous college-level course offered at Blanchester High School. This course provides an introduction to expository writing, emphasizing the clear and concise expression of ideas in a variety of rhetorical modes. As students meet the demands of both the Common Core State Standards and the demands of a college-level curriculum, students will be expected to read widely from assigned and self-selected materials, to write extensively in response to assigned and self-selected topics, and to actively engage in class discussions. This course includes a required summer reading component.

**This is a dual credit course with the option to obtain college credit by enrolling at Southern State with no additional course fees.**

**303 ENGLISH 12** (2 Semesters)

OPEN TO: 12

CREDIT: 1

English 12 is required of all seniors not enrolled in Honors English 12 or in AP English. The course will continue to build upon skills addressed in English 11 and will address all Ohio Standards for grade 12. Students will study a variety of literary forms including poetry and classic and contemporary literature from a variety of cultures. Students will compose narrative and expository writing, including a research project. Through their writing, students will master writing conventions such as spelling, grammar, and punctuation, and they will apply communication skills in increasingly sophisticated ways.

**303H HONORS ENGLISH 12** (2 Semesters) (Honors English 12 with Dual Enrollment Option in English Composition - 3 semester hours)

PREREQUISITES: Students must earn a B or higher in Honors English 11 and receive teacher recommendation. To enroll in dual credit, students must also meet the prerequisites required by Southern State Community College: Accuplacer Writing score of 5 or above or ACT English score of 18 or above.

OPEN TO: 12

CREDIT: 1

Honors English 12, with the option to enroll in a dual credit English Composition course at Southern State Community College, is a rigorous college-level course offered at Blanchester High School. In this course, students will continue to grow as writers as they build their skills in a variety of rhetorical modes. As students meet the demands of both the Common Core State Standards and the demands of a college-level curriculum, students will be expected to read widely from assigned and self-selected materials, to write extensively in response to assigned and self-selected topics, and to actively engage in class discussions. Students will move beyond simply comprehending texts and toward developing close reading skills to analyze how elements of style and structure contribute to meaning in texts. This course includes a required summer reading component.

**This is a dual credit course with the option to obtain college credit by enrolling at Southern State with no additional course fees.**

**304 DRAMATIC ARTS** (1 Semester)

PREREQUISITES: C or better in English or teacher permission.

OPEN TO: 9-12

CREDIT: .5

Drama is a one-semester course designed to introduce and familiarize students with the background and scope of theatrical arts. The students will study drama history and the basic literary elements of drama by reading selected plays. Also, technical aspects of production such as staging, costuming, make-up and lighting will be included through participation in the school play (spring or fall depending on the semester the course is taken) and exposure to professional theatre either in the form of a field trip or through films. Each student will be required to present skits, monologues and student-directed scenes to the class. The students will also be required to participate, through either tech work or through performance, in the play/musical that is produced during the semester that the student takes the class. The course may be repeated.

**307 INTERVENTION WRITING** (2 Semesters)

PREREQUISITES: Teacher recommendation

OPEN TO: 9-12

CREDIT: .5 or 1 (elective credit only)

This course will focus on helping students who have taken but not yet passed the writing section of the Ohio Graduation Test or who need remediation.

**313 INTERVENTION READING** (2 Semesters)

PREREQUISITES: Teacher recommendation

OPEN TO: 9-12

CREDIT: .5 or 1 (elective credit only)

This course will focus on helping students who have taken but not yet passed the reading section of the Ohio Graduation Test or who need remediation.

**325 COMMUNICATIONS** (2 Semesters)

OPEN TO: 9-12 Yearbook Advisor approval required.

CREDIT: 1 elective credit

This course is the study of the publishing process. Ultimately, this is a journalism class. Students are involved in the construction of the yearbook, from the planning stages through the completed product. During this process, students are involved in composition, sales, photography, interviewing, copy writing, desktop publishing, proofreading and editing, and meeting factory deadlines. This class requires time spent outside of class. Application and yearbook advisor approval is required.

### **330 AP-ENGLISH** (2 Semesters)

PREREQUISITE: 'B' Average in Honors English Classes and Teacher Recommendation

OPEN TO: 12

CREDIT: 1

ADVANCED PLACEMENT ENGLISH is one of 33 college-level courses in 19 subject areas designed for highly motivated students in secondary schools. At Blanchester, the English AP program offered is Literature and Composition. The exceptional reputation of the AP program is made possible by the close cooperation of secondary schools, colleges, and the College Board (the organization which has developed AP). More than 2,900 universities and colleges worldwide grant credit, advanced placement, or both to students who have performed satisfactorily in an exam which is given over the course in the spring of the year. A fee is required to take this exam, but a student who qualifies for financial assistance can receive it. As a result of passing the test, the student may be eligible to waive freshman English requirements at the college or university in which he or she enrolls. However, the ultimate decision to grant this credit rests with each college or university.

Students in AP ENGLISH LITERATURE AND COMPOSITION should read actively, as the works taught in the course require careful deliberative reading. Most of the works studied concentrate on British and American authors, although some works in translation may also be included. By the end of the course, students will have studied works written by British and American authors beginning at least from the 16<sup>th</sup> century to contemporary times.

Because the AP Literature and Composition exam assesses each student's ability to read closely and to evaluate how a writer's technique affects meaning, writing assignments will focus on the critical analysis of literature. Students should expect to write daily. Additionally, a summer reading component, including an online assignment, is required before students enter the class in the fall.

## **FOREIGN LANGUAGE COURSE OF STUDIES**

The goal of foreign language education is to prepare students to be linguistically and culturally competent in at least one language other than English. To realize this goal, the current courses of study mirror the National Standards for Foreign Language Learning 1996: Communication, Cultures, Connections, Comparisons, and Communities.

### **405 SPANISH I** (2 Semesters)

PREREQUISITE: 'B' average in English during the previous year.

OPEN TO: 9-12

CREDIT: 1

Spanish I is a basic language course. Emphasis is on grammar and vocabulary acquisition. Students will learn to construct basic sentences, answer simple questions, and participate in elementary conversations.

A final grade of "C" and teacher recommendation is required to enroll in Spanish II.

### **406 SPANISH II** (2 Semesters)

PREREQUISITE: Spanish I with "C" average or higher

OPEN TO: 10-12

CREDIT: 1

Spanish II is a continuation of Spanish I. Emphasis is placed on grammar, vocabulary and speaking Spanish. Students will continue their studies of sentence structure, participate in conversation and acquiring more grammar structures. A final grade of "C" and teacher recommendation are required to enroll in Spanish III.

### **407 SPANISH III** (2 Semesters)

PREREQUISITE: Spanish II with "B" average or higher

OPEN TO: 11-12

CREDIT: 1

Spanish III is a continuation of Spanish II. It is an advanced Spanish Course. Emphasis is placed on grammar and vocabulary. Students will also be required to speak in the target language. Students will perfect their conversational skills and grammar structures. Students will also be required to read and write in Spanish.

## FAMILY AND CONSUMER SCIENCES COURSE OF STUDY

Family and Consumer Sciences (FCS) education teaches the attitudes and skills individuals need throughout their lives to manage the challenges of living and working in a diverse global society. The unique focus is on family, work, school, the community, and their interrelationship skills. Community project work, reading a novel in class, vocational skills, cooperative learning, and writing are all an important part of the FCS classes. All classes have a \$15 class fee.

### **507 FAMILY LIVING** (1 Semester)

OPEN TO: 9-12

CREDIT: .625

You've always been part of a family. As you prepare to leave high school and become an adult, you are probably thinking about forming your own family. This class will teach students what to look for in a life partner, how to recognize abusive relationships, and how to determine if they are ready for marriage. Students will learn how to juggle the roles of worker, spouse, and parent. Students will recognize how to handle stress, conflict, and crisis situations in the family.

### **510 ON YOUR OWN** (1 Semester)

OPEN TO: 10-12

CREDIT: .625

Single life- is it a dream or nightmare? Are you ready to be out on your own? Can you budget money effectively and find a place to live? In On Your Own, learn how to choose a checking account, write checks, and balance a checkbook; buy a car, get a car loan, and the insurance for it; learn about household appliances and power tools; how to properly sew a button on your clothing, sew a pillow; learn how to buy groceries and to efficiently cook for one; and how to deal with the challenge of living On Your Own when you have to ask, "Who Moved My Cheese?"

### **511 PARENTING** (1 Semester)

OPEN TO: 10 - 12

CREDIT: .625

Statistics show that 95% of young women and 98% of young men expect to become parents in their lifetime. Unfortunately, children don't come with owners' manuals. To become a good parent, individuals need to have some idea of what to expect. In Parenting Class, students will learn how to determine when they are ready to become a parent, the process of prenatal development and child birth, the financial and emotional costs of parenting, how to meet children's developmental needs, and how to use positive guidance to build a positive parent-child relationship. The students also participate in a simulation of parenting a newborn, and they read a book related to teen parenting.

### **513 PERSONAL EDGE** (1 Semester)

OPEN TO: 9-10

CREDIT: .625

Adolescence is a time of great change. You will be better equipped to handle these changes if you know what to expect, the choices available, and have a plan for developing into your personal best! In Personal Edge, you will identify your unique characteristics, talents and abilities to develop goals that will diminish your weaknesses and show off your strengths. In addition, you will learn how to effectively handle stress, defuse conflict and produce successful resolutions, create a healthy personal living environment, and develop better relationships with family, friends, and community members.

### **514 LIFE CHOICES** (1 Semester)

OPEN TO: 9-10

CREDIT: .625

Life Choices will help develop a plan to deal with choices you face as a teen and adult. You will gain knowledge to prioritize your wants and needs, realize the consequences of your actions and decisions as a teen upon your future adult life, learn to make informed spending habits, plan choices in transportation, education, and careers, and work on *The Seven Habits of Highly Effective Teens!*

### **515 NUTRITION AND WELLNESS**

OPEN TO: 9-12

CREDIT: .625

This course will address the issues concerning healthy lifestyles, the responsibility for wellness, and the scientific basis of food preparation, the six food groups. Decision making, teamwork, problem solving, planning, purchasing and preparing nutritious meals will be emphasized.

### **516 COLLEGE LIFE SKILLS**

OPEN TO: 11-12

CREDIT: .625

A comprehensive course designed for college-bound students to learn about post secondary finances and choosing the best college placement. College searches, college applications, scholarship searches, personal relationships and many other facets of life on the college campus are covered in this course.

# **INDUSTRIAL TECHNOLOGY EDUCATION COURSE OF STUDY**

Technology education incorporates modular instruction supported by STEM (Science, Technology Engineering & Math). The goal is to offer students an opportunity to explore career pathways into construction, manufacturing, energy & power. Students participate in a variety of modules related to some of today's most popular career fields. Students also experience many hands on problem solving activities designed to enhance their abilities in critical thinking & collaboration.

## **533 INDUSTRIAL TECHNOLOGY I – COMMUNICATION/CONSTRUCTION (1-Semester)**

OPEN TO: 9-12

CREDIT: .5

Tech I is an exploration of Construction & communication career fields along with problem solving activities & projects. Students will be exposed to the following career areas; Residential wiring, Residential plumbing, Pneumatics, Graphic design, Solid works & Computer Animation. Breakout activities between modules will include-A lesson in listening, Spaghetti Bridge, paper airplane design & clothes pin shuttle.

## **534 INDUSTRIAL TECHNOLOGY II – MANUFACTURING/ENERGY & POWER (1-Semester)**

OPEN TO: 9-12

CREDIT: .5

Tech II is an exploration of Manufacturing & Energy career fields along with problem solving activities & projects. Students will be exposed to the following career areas; Robotics, CNC lathe, Rocketry, Four stroke engines, Research & design & Electronics. Breakout activities between modules will include, paper platform, how computers work, Popsicle Stick Bridge, Foam glider & air powered car.

## **535 INDUSTRIAL TECHNOLOGY III – APPLIED LEARNING (1-Semester)**

OPEN TO: 9-12

CREDIT: .5

Tech III is a more in depth study into the field of Construction, students will learn to interpret Architectural/blue print drawings from plot plans, floor plans, elevations & detailed sections. Students will sketch a set of house plans & then recreate those plans using a CAD program. Students will learn some basic household maintenance skills such as plumbing repair, electrical trouble shooting & drywall repair.

## **536 INDUSTRIAL TECHNOLOGY IV – APPLIED LEARNING (1-Semester)**

OPEN TO: 9-12

CREDIT: .5

Tech IV is a more in depth study into the field of Manufacturing, students will learn to learn the design aspects of creating a product from thumbnail sketch through finished Mechanical drawing as well as a set detailed working drawings-orthographic projection, isometric, section view & exploded view) Students will use solid works to create a product in 3D form & apply mechanical animation to the moving parts.

## **COMPUTER SCIENCE EDUCATION COURSE OF STUDY**

### **538 INTRODUCTION TO COMPUTER APPLICATIONS**

OPEN TO: 10

CREDIT: .5

This class will concentrate on introducing students to Google products. We will learn how to navigate and use Google Drive and all of its components, Gmail, Google Sites, and Google Calendar. We will use these products to learn life skills such as balancing a checkbook, creating a resume, planning your day/week/year, and creating a budget. Students will learn how to create a website using Google Sites.

### **539 INTRODUCTION TO CODING**

Prerequisite: Honors Algebra I

OPEN TO: 11-12

CREDIT: .5

This class will introduce students to computer programming languages such as JavaScript, HTML, and CSS. Students will explore the code while working through basic data structures, animation and gaming designs. The class will involve an intense level of problem solving and creative thinking. It will also be mathematics intensive.

### **540 MOBILE APPLICATION CREATION**

Prerequisite: Introduction to Coding

OPEN TO: 11-12

CREDIT: .5

This class will concentrate on creating applications for both iOS and android platforms. Students will use software to plan and design an app for a mobile device from the graphics to the language and operation. This is considered an advanced coding class.

## **AGRICULTURE EDUCATION COURSE OF STUDY**

### **541 AG I: AGRICULTURE, FOOD AND NATURAL RESOURCES** (2 Semesters)

OPEN TO: 9-12

CREDIT: 1.25

This is the first course in the Agricultural and Environmental Systems career field. It introduces students to the pathways that are offered in the Agricultural and Environmental Systems career field. As such, learners will obtain fundamental knowledge and skills in food science, natural resource management, animal science & management, plant & horticultural science, power technology and biotechnology. Students will be introduced to the FFA organization and begin development of their leadership ability.

### **542 ANIMAL SCIENCE AND TECHNOLOGY** (2 Semesters)

OPEN TO: 10-12

CREDIT: 1.25

Learners will develop business leadership, problem-solving and communication skills in relation to the science and technology of animals. Students will learn responsible animal management principles and routine husbandry practices in relation to animal welfare and behavior. Learners will identify and describe the anatomy and physiology of monogastric and ruminant organisms as it applies to nutrition, reproduction, and animal health. Learners will investigate animal genetics and how it impacts principles of animal improvement, selection and marketing.

### **543 PLANT AND HORTICULTURAL SCIENCE**

OPEN TO: 10-12

CREDIT: 1.25

This course focuses on the broad knowledge and skills required to research, develop, produce and market agricultural, horticultural, and native plants and plant products. Students will apply principles and practices of plant physiology and anatomy, plant protections and health, reproductive biology in plants, influences in bioengineering, plant nutrition and disorders. Environmental aspects of irrigation, chemical application, soils, and pest management will be studied and applied. Projects and activities will enable students to develop communication, leadership and business management skills. Students will be required to have a fully functioning Supervised Agricultural Experience (SAE) and the FFA activities will be included in the grading procedure.

### **545 COMMUNICATIONS AND LEADERSHIP** (2Semesters)

OPEN TO: 9-12

CREDIT: 1

Students will analyze attributes and capabilities of those in leadership positions and develop their communication and leadership skills in authentic situations. The course prepares students to apply journalistic, communication and broadcasting principles to the development, production, and transmittal of agricultural and environmental systems information.

\*\*NOTE: The next two classes, Livestock Science (even years) and Animal Nutrition, Health and Reproduction (odd years), can be taken either your 11<sup>th</sup> or 12<sup>th</sup> grade year.

### **547 LIVESTOCK SCIENCE** (2 Semesters)

OPEN TO: 11-12

CREDITS: 1.25

Learners will apply principles of nutrition, health and reproduction to the management of animals, poultry and fish in production agriculture. Learners will demonstrate understanding of anatomy and physiology and apply genetic principles for improvement. Learners will apply knowledge of animal behavior, welfare, and husbandry principles. Learners will evaluate body/carcass composition and apply marketing principles to the sale and distribution of livestock products. Learners will employ communication, business, and management strategies appropriate for the industry.

### **555 STRUCTURAL ENGINEERING (Shop Class)** (2 Semesters)

OPEN TO: 11-12

CREDIT: 1.25

Students will apply principles of engineering and design along with an understanding of the properties and uses of construction materials to buildings and structures used in agriculture, horticulture and natural resources. The course will focus on the study and utilization of wood and lumber, metals, concrete and masonry, pipes and plumbing, and electrical systems. Students will design, plan, build and calculate costs-benefits analysis for construction projects while abiding by all building code and safety regulations.

## **WORK STUDY**

### **544 BUSINESS MANGAMENT FOR AGRICULTURAL AND ENVIORNMENTAL SYSTEMS**

(2 Semesters) OPEN TO: 12

CREDIT: 1

Learners will examine elements of business, identify organizational structures and identify and apply management skills. Learners will develop business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Learners will practice customer sales techniques and apply concepts of ethics and professionalism while understanding related business regulations.

### **556 AGRICULTURAL AND ENVIRONMENTAL SYSTEMS CAPSTONE (WORK STUDY COMPONENT)**

(2 Semesters) OPEN TO: 12

CREDIT: 1

The capstone course is an opportunity for students to solve problems and demonstrate that they have achieved the requisite knowledge and skills in their chosen Agricultural and Environmental Systems career field pathway. The course is designed to assess cognitive, affective and psychomotor learning and to do so in a student-centered and student-directed manner. The capstone requires the application of learning to a project that serves as an instrument of evaluation.

Vo ag flow chart



# MATHEMATICS COURSE OF STUDIES

## 603 ALGEBRA I (2 Semesters)

OPEN TO: 9<sup>th</sup> graders

CREDIT: 1

This course is the foundation for high school mathematics courses. It is the bridge from the concrete to the abstract study of mathematics. Topics include simplifying expressions, evaluating and solving equations and inequalities, and graphing linear functions. Real world applications are presented within the course content and a function's approach is emphasized. This course provides the mathematical foundational skills and concepts required for students to pass the mathematical portion of the Ohio Graduation Test. Students who consistently maintain a grade of 92% or better may be recommended for Honors Algebra I the following year.

## 603H HONORS ALGEBRA I (2 Semesters)

PREREQUISITE: "B" or better in 8<sup>th</sup> grade math and recommendation from the previous math instructor

OPEN TO: 9<sup>th</sup> graders

CREDIT: 1

Honors Algebra I includes the introduction of variables, constants, expressions, equations, and functions. The language of numbers is examined. Topics include solving equations, simplifying expressions, understanding order of operations, performing operations with positive and negative numbers, exploring polynomials, factoring, graphing (linear and quadratic equations), working with radicals, and expanding arithmetic knowledge.

Students will be expected to work responsibly regarding attendance, reliability, participation, effort and courtesy. The pace in the class will be accelerated and students will need to work at a steady pace at all times. This class is designed for students who have exceptional study skills and are highly motivated in math. This course provides the mathematical skills and concepts required for students to pass the mathematical portion of the Ohio Graduation Test. Students who consistently maintain a grade of 92% or better may be recommended for Honors Algebra II the following year.

## 605 ALGEBRA II (2 Semesters)

PREREQUISITE: Geometry

OPEN TO: 11 - 12

CREDIT: 1

Algebra II studies linear relations and functions, systems of linear equations, matrices, polynomials, roots, quadratic equations and functions, rational polynomial expressions, and exponential functions. This course also covers extensive graphing and their transformations. A calculator is required.

## 605H HONORS ALGEBRA II (2 Semesters)

PREREQUISITE: Honors Algebra I, Honors Geometry, teacher recommendation, and "B" or better in Honors Algebra I

OPEN TO: 10-12

CREDIT: 1

Honors Algebra II is a college preparatory elective with Honors Algebra I as a prerequisite. A strong recommendation by your Honors Algebra I instructor is advisable. Honors Algebra II studies linear relations and functions, systems of linear equations, matrices, polynomials, roots, quadratic equations and functions, conic sections, rational polynomial expressions and exponential functions. Extensive graphing is required as well as calculator applications.

## 606 GEOMETRY (2 Semesters)

PREREQUISITE: Algebra I

OPEN TO: 10

CREDIT: 1

This course will have students reason through proofs using theorems, postulates, and definitions. Students will solve visual problems, and problems that have real world applications. Algebra is used throughout the course. Some topics covered are: computing various measures of two-dimensional figures, coordinate geometry, logic, and an introduction to trigonometry.

## 606H HONORS GEOMETRY (2 Semesters)

PREREQUISITE: "B" or better in Honors Algebra I, teacher recommendation

OPEN TO: 9-12

CREDIT: 1

The roots of the word *geometry* mean "to measure the earth," but this course will be more than just measuring things. It will emphasize abstract concepts and logical thinking through inductive and deductive reasoning. Throughout the year, students will explore how lines, planes, polygons, circles, as well as spheres and other three-dimensional figures can be used to represent and solve a variety of abstract and real-world problems. Students will use tools—from the basic, such as straightedges, compasses, and protractors, to the sophisticated, such as The Geometer's Sketchpad—to help solve problems and learn. The skills learned in Honors Algebra I will be revisited, reinforced, and applied throughout the year.

**607 INTERVENTION MATH** (2 Semesters)

PREREQUISITE: Teacher Recommendation

OPEN TO: 9-12

CREDIT: .5 or 1 (as an elective credit only)

This course will focus on helping students who have taken but not yet passed the math section of the Ohio Graduation Test or who need remediation.

**611H ADVANCED MATH** (2 Semesters)

PREREQUISITES: Honors Geometry and C or better in Honors Algebra II and teacher recommendation

OPEN TO: 11-12

CREDIT: 1

Advanced Math is recommended for the student who may be considering a career in business, health-related fields, engineering, social sciences, computer science, or as a preparation for Calculus. The curriculum provides extensive background in plane trigonometry. (Solving right and oblique triangles is studied. Techniques for solving trigonometric equations, graphing of trigonometric functions and their inverses, polar coordinates, and trigonometric proofs are a few of the areas considered.) The second semester continues to provide the student with a background for a technological society. Functions, sequences and series, statistics, probability, matrices, and vectors prepare the student for the real world. Students also will learn the use of the graphing calculator to compare and interpret their data.

**614H AP CALCULUS (AB)** (2 Semesters)

PREREQUISITE: "B" or better in Advanced Math and Teacher recommendation

OPEN TO: 12

CREDIT: 1

AP Calculus (AB) covers differential and integral calculus topics that are typically included in introductory calculus courses at the college level. In order to be successful, students must have a thorough understanding of functions, limits and trigonometry. Students will be required to take the AP test at the end of the course.

**615 SENIOR MATH** (2 Semesters)

PREREQUISITE: Algebra II or Higher

OPEN TO: 11-12

CREDIT: 1

This course will have an emphasis on mathematics needed for everyday life. Topics will include, but not be limited to: statistics, loans, insurance, wages and salaries, net pay, taxes, commission, creating a budget, costs of trips or home projects, and checking and savings accounts.

**616H HONORS MATH IV** (2 Semesters)

PREREQUISITE: Honors Algebra II (or currently taking) or Algebra II (with teacher recommendation)

OPEN TO: 11 - 12

CREDIT: 1

This course will have an emphasis on the ACT. It will not only help with the mathematics needed for the ACT but will also help with the study and test taking skills needed for success on the ACT. It is a junior or senior course only. Topics will include, but not be limited to: permutations, combinations, probability, trigonometry and statistics.

## **Math flow Chart**

# SCIENCE COURSE OF STUDIES

## **703 BIOLOGY** (2 Semesters)

OPEN TO: 9

CREDIT: 1

This class is primarily for the non-college-bound student.

Topics covered will center around life processes, chemistry in living things, basic genetics, classification of living things and a survey of the major groups of living things.

## **703H HONORS BIOLOGY** (2 Semesters)

PREREQUISITE: Minimum B in Science 8, Proficient on OAA Science Test and Teacher Recommendation

OPEN TO: 9 - 10

CREDIT: 1

In this course the student is introduced to the major branches of biological science including: cell structure and function, genetics, ecology, classification of organisms, plants and animals.

Lab experience is scheduled into the regular class.

## **704H ANATOMY AND PHYSIOLOGY** (2 Semesters)

PREREQUISITE: Honors Biology and/or teacher recommendation

OPEN TO: 11-12

CREDIT: 1

This class is primarily for the college-bound student. It is especially recommended for anyone interested in any branch of the medical field.

Topics covered will center around the parts and functions of the ten major body systems.

For example, the study of the skeletal system would involve the student being able to name and locate all of the bones of the body, discuss the functions and formation of the skeletal system, identify types of broken bones and other skeletal abnormalities, explain fracture repair, identify parts of a typical bone and list joint types and give examples. Comparative animal dissection will be required. To take anatomy, a student must have successfully completed Honors Biology or have been an exceptional student in biology and have either completed chemistry or be taking Honors Chemistry concurrently.

## **707 PHYSICAL SCIENCE** (2 Semesters)

PREREQUISITE: Biology

OPEN TO: 10

CREDIT: 1

This is an inquiry based course that addresses the three areas of Physical Science – Chemistry, Physics, and Earth Science. Topics to be investigated are atomic structure, chemical reactions, energy, heat, waves and sound, light, electricity and magnetism, weather, the solar system, and the universe.

## **707H HONORS PHYSICAL SCIENCE** (2 Semesters)

PREREQUISITE: Honors Biology, Honors Algebra I and teacher recommendation

OPEN TO: 10

CREDIT: 1

This inquiry-based course is more in depth and faster-paced than the “Physical Science” course, but covers the same topics, plus some additional chapters. It is intended for those students who plan on progressing to Honors Chemistry I. Topics to be investigated are atomic structure, chemical reactions, energy, heat, waves and sound, light, electricity and magnetism, weather, the solar system, and the universe.

## **708H HONORS CHEMISTRY II** (2 Semesters) (Honors Chemistry II with Dual Enrollment option through Southern State –5 to 8 semester hours of elective college credits)

PREREQUISITE: A or B in Honors Chemistry I and teacher recommendation. To enroll in dual credit, students must also meet the prerequisites required by Southern State Community College: Accuplacer Writing score of 5 or above or ACT English score of 18 or above.

OPEN TO: 11-12

CREDIT: 1

A second year of chemistry provides the student with a rigorous review of the material learned in Honors Chemistry I and then takes various topics and enhances them with a more in-depth look using an advanced Chemistry I text and a college organic and biological chemistry text and college-type approaches. Any topics that were not covered in Honors Chemistry I are covered in Honors Chemistry II. Organic chemistry and organic lab experience are major considerations for the course. Applying technical writing, data management, and critical thinking are prime targets for this course. This course is designed for the student who intends to take two or more years of college chemistry, including organic chemistry.

**This is a dual credit course with the option to obtain college credit by enrolling at Southern State with no additional course fees.**

### **709H HONORS PHYSICS** (2 Semesters)

PREREQUISITE: Honors Chemistry I, Advanced Math and teacher recommendation

OPEN TO: 12

CREDIT: 1

This is a fundamental introduction course in Physics. Physics involves the relationship of matter and energy and the use of math to explain these relationships. Some topics include: vector analysis, linear and curvilinear motion, work and energy, heat, wave motion, light, and electricity. Laboratory experience is scheduled in the regular class time. A calculator with trigonometric functions is necessary. **This course is required for an Honors Diploma.**

### **710 PHYSICAL SCIENCE II**

PREREQUISITE: Physical Science

OPEN TO: 11-12

CREDIT: 1

This inquiry-based course is an extension of the Physical Science course taken at the sophomore level. Students taking this course will extend topics covered in Physical Science, as well as cover new chapters in nuclear chemistry, acids and bases, optics, thermal energy, climate, and the universe.

### **712 ENVIRONMENTAL SCIENCE** (2 Semesters)

PREREQUISITE: Biology with teacher recommendation

OPEN TO: 11-12

CREDIT: 1

Environmental Science involves studying our surroundings, both living and nonliving. Topics will include: ecosystems and their interactions, renewable and nonrenewable resources, air and water quality, invasive species, threatened/endangered species, humans and the environment, and environmental laws and regulations. Students will study current environmental issues and learn to form their own educated opinions regarding these issues.

### **714 INTERVENTION SCIENCE** (2 Semesters)

PREREQUISITE: Teacher recommendation

OPEN TO: 9-12

CREDIT: .5 or 1 (elective credit only)

This course will focus on helping students who have taken but not yet passed the science section of the Ohio Graduation Test or who need remediation.

### **717H HONORS COLLEGE CHEMISTRY** (2 Semesters) (Honors College Chemistry with Dual Enrollment through Southern State - 10 semester hours of college level chemistry lecture and lab credit)

PREREQUISITE: Honors Chemistry I or II and teacher recommendation. Students must also meet the prerequisites required by Southern State Community College: Accuplacer Writing score of 5 or above or ACT English score of 18 or above.

OPEN TO: 12

CREDIT: 1

This course is college level chemistry covering measurement, significant figures, moles, chemical formulas, stoichiometry, acids and bases, oxidation-reduction, thermochemistry, quantum mechanics, atomic orbitals, bonding theories, gases, intermolecular forces of attraction and phase changes, solutions and colligative properties, chemical kinetics, chemical equilibrium, acid-base equilibria, thermodynamics, electrochemistry and descriptive chemistry. The student should be able to solve problems pertaining to the subject matter listed and perform laboratory procedures and experiments which support these chemical concepts. This hybrid course will be team-taught by the college professor and high school teacher using lecture, PowerPoint, discussion, homework assignments, computer assignments, quizzes, labs and exams as deemed appropriate by the instructors. The course will meet the Ohio Transfer Assurance Guidelines approved for the Southern State Community College two-semester sequence. Upon successful completion of this course, the student will receive ten semester hours of college level chemistry credit as well as high school chemistry credit.

**This is Dual Credit Course through Southern State and must be taken for college credit.**

**Science Flow Chart**

## SOCIAL STUDIES COURSE OF STUDIES

### 803 CIVICS (2 Semesters)

PREREQUISITE: Teacher recommendation

OPEN TO: 9-12

CREDIT: .5 or 1 (elective credit only)

This course will focus on helping students who have taken but not yet passed the social studies section of the Ohio Graduation Test or who need remediation.

### 808 GOVERNMENT (2 Semesters)

OPEN TO: 11-12

CREDIT: 1

This covers the foundations of U.S. government including a discussion of the U.S. Constitution, federalism, separations of powers, evolution of U.S. democratic government through history, the influence of multicultural society, U.S. Interactions in a global community, personal and societal economic concepts, the rights and responsibilities of citizens, as well as state and local governmental issues. Concepts will relate to current issues facing our democratic society.

### 808H HONORS AMERICAN GOVERNMENT (2 Semesters) (Honors American Government with Dual Enrollment option through Southern State - 6 semester hours)

PREREQUISITE: American History/Honors American History and teacher recommendation. To enroll in dual credit, students must also meet the prerequisites required by Southern State Community College: Accuplacer Writing score of 5 or above or ACT English score of 18 or above.

OPEN TO: 11-12

CREDIT: 1

This course is a survey concerning the fundamental theories of American democracy. The role of government and its relationship with its constituents will be examined at length. Particular attention will be paid to the origin of federalism along with the concepts of civil liberties and civil rights. A strong emphasis will be placed on the various interpretations of the U.S. Constitution throughout the evolution of American political thought as well. In addition, the emergence of the federal bureaucracy as a major player in U.S. public policy concerns will be discussed.

The course will also study the fundamental theories, events and personages of American political thought. Through the lens of politics, policy, diplomacy and war, political change and its repercussions will be examined. The socialization of thought and public opinion via the major two-party political system will be discussed. Interest group theory, along with the rise of the mass media and the role they play in the political system will be topics of study. Besides these issues, the economic policy of the United States will be traced from its Hamiltonian origins to its major transformation during the New Deal era. Lastly, the foreign and defense policy from the inception of the Republic to the present day, with its evolution from a weak de-centralized confederacy to the world's pre-eminent superpower, are to be investigated

**This is a dual credit course with the option to obtain college credit by enrolling at Sothern State with no additional course fees.**

### 810 WORLD STUDIES 1750 - PRESENT (2 Semesters)

OPEN TO: 9

CREDIT: 1

This is a required course for all freshmen. This course covers world history from 1750 (The Enlightenment) to the present. During this course, students will read about the events that have shaped world history and the relationships between peoples and nations from the past to the present. Students will also learn about the world's diverse population, geography, and how different forms of government operate. Finally, students will develop an understanding of how economics, science, technology, culture, and religion continue to affect global relations.

### 811 AMERICAN HISTORY (2 Semesters)

OPEN TO: 10

CREDIT: 1

This is a required course for all sophomores. This course covers the history of the United States from 1877 (Post Reconstruction) to the present. During this course, students will understand the legacy of the growth the United States experienced from the late 1800's to the present. Students will read about the events that have shaped the nation and how those events continue to influence our lives today. They will also learn about America's diverse population and its geography, as well as how both the U.S. economy and the U.S. government operate. Finally, students will develop an understanding of how they fit into the ongoing story of the United States.

**812 PSYCHOLOGY** (1 Semester)

PREREQUISITE: Teacher Recommendation

OPEN TO: 11-12

CREDIT: .5

Psychology is a study of how and why people behave the way they do as individuals. Psychology will acquaint the student with several areas of human behavior including how one learns, behavior and personality, heredity vs. environment, mental disorders, and social behavior. Class discussion and individual research projects will be emphasized.

**813 CURRENT ISSUES IN AMERICAN AND WORLD AFFAIRS** (1 Semester)

OPEN TO: 9-12

CREDIT: .5

This class will focus on world and current events to bring relevance to World/American Studies, and Government. The 21<sup>st</sup> century will have profound changes in political, economic, and cultural aspects for all Americans. Current Issues is one avenue to better understand how to live and work in a democratic society in an ever increasing global climate.

**817 SOCIOLOGY** (1 Semester)

OPEN TO: 11-12

CREDIT: .5

The course will acquaint students with several areas of human behavior within a group, including how social norms influence actions, personality development and the importance of and reasons for deviant behavior. Students should be prepared to engage in class discussions and participate in several sociological projects and behavioral studies. This is an elective course.

**818H HONORS AMERICAN HISTORY** (2 Semesters) –Honors American History with Dual Enrollment option in American History I and II through Southern State - 8 semester hours)

PREREQUISITE: B or better in World Studies, Teacher Recommendation, and a minimum cumulative 3.0 GPA. To enroll in dual credit, students must also meet the prerequisites required by Southern State Community College: Accuplacer Writing score of 5 or above or ACT English score of 18 or above.

OPEN TO: 10 – 12

CREDIT: 1

This course is a combination of American History I and II.

**American History I**

This course is a survey of the United States from the pre-Columbian period to 1877. The course will introduce students to the major political, social, economic, religious, cultural, intellectual and technological developments in American history through reconstruction and the post-Civil War era. Topics will include, but are not limited to; pre-Columbian civilization, European exploration and conquest of the New World, development of European colonies, the colonial era, the American Revolution, the Constitution, economic changes, early industrialization and the formation of political parties. The institution of slavery will be closely examined as will the concept of Manifest Destiny and the demise of Native American tribal life. The significant causes and events leading to the American Civil War will be discussed as will the military history of the war and reconstruction. The administrations of Jefferson, Jackson, Polk and Lincoln will also be examined in detail.

**American History II**

This course is a survey of the history of the United States from 1877 to the present day. The course will introduce students to the major political, social, economic, religious, cultural, intellectual and technological developments in American history from the end of reconstruction to the post-modern era. Topics will include, but are not limited to; Gilded Age politics, late 19th and 20th century industrialization, economic changes, immigration, Progressivism, American Imperialism, World War one, cultural changes in the 1920's and The Great Depression. The latter portion of the semester will focus on the events leading to World War II, the military history of the war, the Cold War, the Civil Rights Movement, social change in the 1950's and 1960's, the Vietnam War, and the post-Cold War era up to the presidential election of 2008.

**This is a dual credit course with the option to obtain college credit by enrolling at Southern State with no additional course fees.**



# **PHYSICAL EDUCATION AND HEALTH DEPARTMENT**

## **COURSE OF STUDY**

Department Graduation Requirements:

.50 Unit of Physical Education (2 semesters)

.50 Unit of Health

1. ALL freshmen are required to take Health and Physical Education.
2. ALL sophomores are required to take Physical Education.

### **960 HEALTH** (1 Semester)

OPEN TO: 9-10

CREDIT: .5

This course is required of all freshmen. Health is concerned with providing each student with a basic knowledge of the functioning of his/her own body and mind. Emphasis will be put on the formation of personal habits which will enable the student to lead a healthier life, both physically and mentally. Other topics to be discussed will be family living; drug abuse, including alcoholism; first aid; nutrition and stress management. Offered both first and second semesters.

## **PHYSICAL EDUCATION**

This comprehensive subject area will incorporate physical, mental, and social development in the areas of fitness, leisure sports, and game skills. Students will become knowledgeable participants as well as spectators by learning rules, strategies, skills, and proper sportsmanship. They will learn healthy leisure activities that can be utilized throughout their lives.

### **953 WEIGHT LIFTING AND PHYSICAL FITNESS** (1 Semester)

OPEN TO: 9-12

CREDIT: .25

This course is intended to provide students an opportunity to improve themselves physically. The student will be encouraged to make important decisions about her/his personal exercise program and to develop a healthy lifestyle for now and in the future. This course will include instruction on exercise programs, aerobic, and anaerobic needs, flexibility, hypokinetic diseases, and cardiovascular fitness. The student will be expected to exhibit a strong desire to improve his/her physical self and to participate in daily fitness-related activities.

### **955 UPPERCLASS PHYSICAL EDUCATION** (1 Semester)

OPEN TO: 11-12

CREDIT: .25

This comprehensive subject area will incorporate physical, mental, and social development in the areas of fitness, leisure sports, and game skills. Students will improve their level of fitness and learn leadership traits while participating in physical activities. They will also learn about various recreational activities available to them upon completion of high school.

### **956 CARDIO/SCULPTING** (1 Semester)

OPEN TO: 9-12

CREDIT: .25

This is a fitness based class. The goal of the class is to help participants achieve and maintain a healthy weight through weightlifting, aerobics, plyometrics, and distance running. Within the fitness element of the class there will be activities allowing students to utilize their new-found skills and levels of fitness they have achieved throughout the course.

### **958 PHYSICAL EDUCATION** (1 Semester)

OPEN TO: 9-10

CREDIT: .25

This introduction to physical education will incorporate physical, mental and social development in the area of fitness, leisure sports, and game skills. Students will improve their level of fitness and learn leadership traits while participating in physical activities. The course will offer students a chance to express themselves outside of the academic classroom setting while at the same time challenge them in different areas of physical fitness. They will also learn about various recreational activities available upon completion of high school.