

Addendum – FHS Program of Study 2018-19

Valedictorian(s) and Salutatorian(s) Determination

The valedictorian(s) and salutatorian(s) will be determined at the conclusion of the 7th semester from the roster of students who have spent at least four years in high school. The student(s) with the highest 7th-semester weighted GPA (rounded to three decimal places) will be named the valedictorian(s) and the second highest will be named the salutatorian(s). In calculating the 7th-semester weighted GPA, a weight of .025 credit will be added for each semester-long *honors* course (including AP and CCP classes), and weight of .05 will be added for any year-long *honors* course (including AP and CCP classes) completed during the 7 semesters, as well as courses in progress for the 8th semester. Courses that earn credit in increments besides ½ or 1 credit will be weighted proportionally.

Courses not being offered in 2018-19:

0231 Drama	0872 Economics-Honors
0221 Speech	0885 World Affairs-Honors
0265 Science Fiction and Fantasy	0450 Technology Action Lab – GCCC
0159 Keyboarding for the College Bound	0482 Engineering Technology I - GCCC
	0483 Engineering Technology II - GCCC

New Productive Study Courses:

0040 Senior Project/Capstone – ½ credit

Course Fee: none

Pre-requisites: Grade 12 status; Meets ODE's Alternative Pathway to graduation qualification criteria; Administrative/Counselor recommendation and/or approval

Senior Project/Capstone is designed to provide interested seniors with the opportunity to work on meaningful independent projects of their own selection and design. Eligible seniors will be enrolled in this semester class during the second semester of their senior year. Students in the Capstone course have committed themselves to a challenging independent learning experience focused on a personal passion or a possible career. Capstone students will show evidence that they have met their goals by producing a project plan of their own selection and design, reflection papers, and a presentation which will be scored by a faculty panel. Students will complete the majority of the capstone project outside the scope of the normal school day; however, this course provides a setting for the student to be able to work on portions of their independent project with the mentorship and supervision of the Capstone Coach on a regular bases. Students enrolled in the Capstone course will be assigned a Capstone Coach rather than being responsible for securing their own faculty advisor. This class is graded on a pass/fail basis. Participating seniors will have **Senior Project/Capstone** appear on their transcript.

0157 Junior ACE (ACT preparation and College/Career Exploration for Juniors) - ½ credit

Course Fee: none

Pre-requisite: Grade 11 status

This is a required course for juniors. Course 0157 has been renamed to more accurately reflect the ACT preparation component of the course, and it is expected that all students will register for this course in grade 11.

The fundamental objective of Junior ACE is to explore and begin preparing for the transition to a career and/or college. Junior ACE students will participate in interest inventories and/or assessments, explore various careers, and may have an opportunity to job shadow an adult in a particular career field. The course will include presentations from career-related guest speakers, college representatives, and community business partners. In addition, this course contains an ACT test-prep component including ACT practice tests, good study habits, and test preparation techniques.

New AFJROTC Courses:

0050 Drill 101 – ¼ credit, full year

Course Fee: none

Co-requisite: must be concurrently in an Aerospace Science course

This year-long, skills-based class supplements AFJROTC Aerospace Science classes and is held outside the scope of the standard school day. The course focuses on precision military marching and ceremonial protocols. Some students will have the opportunity to participate in traveling competitive Drill Teams that will perform color guard, armed drill, unarmed drill, and other contests throughout the state as part of the extra-curricular Drill Team. **This class will be graded on a pass/fail basis.**

New CORE Elective Courses:

General electives in the CORE academic areas (ELA, Math, Science, and Social Studies) are intended to supplement the courses noted in the departmental sequencing tracks, not replace them. These courses are listed in chart form on the following pages of the Program of Study booklet:

English Language Arts Sequencing Recommendations, page 27

Mathematics Sequencing Recommendations, page 32

Science Sequencing Recommendations, page 37

Social Studies Sequencing Recommendations, page 39

Social Studies:

0858 Current Events– ½ credit

Course Fee: none

Pre-requisite: none

Grades: 9-12

This survey course will examine the major events that are shaping our world today. Students will research, discuss, and debate how what is happening today will impact what happens tomorrow. Students will gain an understanding and appreciation of geography and its impact on world events. This course is classified as a general social studies elective.

0864 History Through Film and Media– ½ credit

Course Fee: none

Pre-requisite: World Studies or World Studies Honors

Grades: 10-12

This course is a study of film and how it depicts trends, issues, and other various events throughout history. In this course, students will use film, literature, primary and secondary sources to understand and evaluate political, social, and cultural movements that have shaped history. In addition to viewing films, students will be expected to complete readings on assigned topics and complete multiple writing activities. Students will develop skills such as identifying bias, evaluating information presented in multiple formats, presenting information informally, and writing and defending their position(s). Students will build on their knowledge of history to focus on a deeper content analysis. This course is classified as a general social studies elective.

0866 Law and Society– ½ credit

Course Fee: none

Pre-requisite: World Studies (or World Studies Honors) and
American Studies (or American Studies Honors)

Grades: 11-12

This semester course will serve as an introductory course to the law and legal systems in the United States. The main focus of the course will be on Criminal Law, School and Juvenile Law, Consumer Law, and Family Law. Mock trials, case studies, simulations and other activities will be used to allow students to explore the definition of law, citizen rights and responsibilities under the law. This course is classified as a general social studies elective.

English/Language Arts:

0220 World Mythology – ½ credit

Pre-requisite: none

Course Fee: Cost of Supplementary Texts
Grades 9-12

Students will discover world cultures through diverse mythologies and folklore from around the world. The course will focus on pre-1400 mythologies of Europe, Africa, Asia and the Americas. The students will make connections between history and literature. This course is classified as a general ELA elective.

0224 Literature Through Music– ½ credit

Pre-requisite: none

Course Fee: Cost of Supplementary Texts
Grades 9-12

Students will explore storytelling through musical lyrics. Additionally, students examine non-verbal musical storytelling. Students will also develop both written and oral analysis of literature through music. This course is classified as a general ELA elective.

0226 Mystery, Suspense and Detective Stories – ½ credit

Pre-requisite: none

Course Fee: Cost of Supplementary Texts
Grades 9-12

This course is a study of the conventions of a mystery and its development as a genre of literature. Students will study short stories by early detective story authors such as Edgar Allen Poe and Sir Arthur Conan Doyle. Students will continue to study short stories and plays from “The Golden Age” of the detective stories. Novels, film and true crime stories may round out the engaging course. This course is classified as a general ELA elective.

0228 Literature and War– ½ credit

Pre-requisite: none

Course Fee: Cost of Supplementary Texts
Grades 9-12

Students will study works for a wide range of writers from different countries and armed conflicts. Students will be able to identify the both the similarities and differences in the way writers treat the subject of war. Students will study the ways in which writers use a variety of techniques including irony and humor to discuss war. Due to the topics discussed in this course, some reading materials may have mature content. This course is classified as a general ELA elective.

Science:

0820 Astronomy - ½ credit

Prerequisites: none

Course Fee: \$10.00
Grades: 9-12

In this physical science course, students will explore and gain better appreciation of this vast cosmic universe that is continuously expanding and changing. The topics will include but are not limited to the following: measurement, scientific notation, order of magnitude, scaling models, scientific method, analysis and interpretation of cosmic data, historical perspectives, laws of gravity and motion, spectrum and basic spectroscopy; study of planets, meteors, asteroids, comets, stars, stellar evolution and the associated remnants, including white dwarfs, neutron stars, black holes, the Milky Way, super clusters, and probes of intergalactic space-quasars. This course is classified as a general science elective.

0821 Artful Chemistry – ½ credit

Course Fee: \$30.00

Pre-requisite: none

Grades: 9-12

In this physical sciences course, students will learn and apply fundamental chemical concepts through hands-on projects related to arts and crafts. Color and Pigment: Students investigate light versus pigment, create their own chemical pigments, and use these pigments to create art. Chemical concepts discussed include the electromagnetic spectrum, the physiology of seeing light, atomic emission spectra, and transition metals. Paper Making: Students prepare their own paper and use it to make a collage. Chemical concepts include acid - base chemistry in paper creation and oxidation in bleaching compounds. Textiles and Dyes: Students investigate types of fabrics, dyes, and mordants. Students ultimately create a marbled bound book. Chemical concepts include covalent and ionic compounds, polarity, and solubility. Metals: Students create metal jewelry after investigating properties of common metals and alloys. Chemical concepts include activity, oxidation and reduction, and electrochemistry. Soaps: Students will create soaps to include fragrances and dyes. Chemical concepts include saponification, acid-base chemistry, organic chemistry, chemical equations, and esters. Sculpture: repurpose non-biodegradable materials into sculpture. Chemical and environmental concepts include polymers structure and function as well as biodegradability of polymers. This course is classified as a general science elective.

Sinclair CCP Courses Offered at Fairborn High:

bis1201 – Keyboarding & Document Formatting – (full-year course)

College Credit Hours: 3

Division: Business and Public Services

High School Credit: 1

Department: Business Information Systems

Pre-requisite: None; Acceptance into Sinclair CCP program if taking for college credit

Students will learn and develop "touch" keyboarding skills, including the ten-key numeric keypad. By the end of the course, students must perform keyboard speed and accuracy on three-minute timed writings at a minimum of 25 wpm with three or fewer errors. Students will learn to use word processing software to format and produce reports, letters, memos, and other business documents. Traditional testing (proctored or in Testing Center) is used in all online sections. Enrollment in this course at FHS may be limited. FHS students may remain enrolled in this college-level course, taking the course for high school credit only, in the event they are not accepted into the Sinclair CCP program.

eng 1101 – English Composition I – (semester course)

College Credit Hours: 3

Division: Liberal Arts, Communication and Social Sciences

High School Credit: 1

Department: English

Pre-requisite: Acceptance into Sinclair CCP program

In English Composition I students learn reflective, analytical and argumentative writing strategies, incorporating sources and personal experience. Students will negotiate between public and private rhetorical situations and purposes to achieve academic literacy. They will write multiple drafts using a recursive writing process as they work toward fluency in style and mechanics. This course is open only to students who are accepted into the Sinclair CCP program.

eng 1201 – English Composition II – (semester course)

College Credit Hours: 3

Division: Liberal Arts, Communication and Social Sciences

High School Credit: 1

Department: English

Pre-requisite: Acceptance into Sinclair CCP program; eng 1101

English Composition II, building on the skills in English Composition I, develops rhetorical literacy through research, critical reading and multi-genre writing tasks. Through major and minor, cumulative and stand-alone assignments, students construct arguments and analyses, ethically incorporating academic sources while developing their own voices as writers and citizens. This course is open only to students who are accepted into the Sinclair CCP program.