

Dear Student & Parent/Guardian,

We are pleased to present a revised registration booklet to aid you and your son/daughter in drafting his/her course requests for the 2017-2018 school year.

This course registration booklet will be available in hard copy in each classroom and office at FFHS. It will also be linked online via the guidance website. To preserve the mandatory state testing environment, Mrs. Shultz will NOT call students out of core classes. Rather, she will make herself available in the study hall room for two plus weeks starting March 20. Students in study hall may interact with her any of these days. Students who do NOT have a study hall may acquire a pass and visit her from a NON-CORE class. Parents wishing to interact with Mrs. Shultz may call to make a separate appointment or email questions regarding scheduling.

Selected courses have prerequisites that must be met prior to the student registering. Please review all academic requirements prior to selecting these courses. Students who do not meet these standards need to choose another class. Students seeking college courses must meet college entrance requirements set by the college granting credit. Those requirements were made available during the College Credit Plus meeting held, January 10, 2017.

The administration and faculty of Fort Frye High School believe strongly that one of our major responsibilities is to help students prepare for their futures by encouraging and guiding them toward making sound decisions in regard to their educational and career choices. The decisions your son/daughter make now in regards to his/her educational plan can influence the paths that are open to him/her at the time he/she graduates from high school.

We encourage you to work very closely with your son/daughter during the scheduling process in order to map out a tentative course plan for his/her years at Fort Frye High School. By working together, we hope to provide for your son/daughter the high school background he/she needs in order to pursue his/her goals.

Sincerely,

Mary Beth Shultz  
School Counselor

Andy Schob  
Principal

Please Note: These are proposed courses for the 2017-2018 school year. Actual courses offered will depend on staffing numbers and student enrollment.

## Table of Contents

<u>Alpha Listing</u>	<u>Page</u>
A+ Online Learning	4
Academic Plans for College and Career Tech	12-13
Art Department	21
Assessments (State Mandated)	8
Career Technical and Agricultural Education	15
Career Internship	16
College Credit Plus (CCP)	4
Computer Technology Department	17
Credit Flex	4
Diplomas with Honors	9
Education Department	19
English Department	19
Financial and Career Planning	20
Fine Arts Department	21
Foreign Language Department	23
Guide for Grade Level Classification	3
Graduation Requirements	8-11
Health Department	27
Mathematics Department	24
Music Department	22
NAIA	14
NCAA	14
Pathways	5-7
Physical Education Department	27
Schedule Changes	3
Science Department	28
Social Studies Department	31
Special Education	3
Volunteer Opportunities	33
Washington County Career Center	13
Yearbook	32

The Fort Frye Board of Education provides equal educational opportunities without regard to race, color, national origin, sex or disability (Title VI, VII, IX and Section 504).

**Fort Frye High School  
Registration Booklet 2017-2018**

**Scheduling Requirements**

- Maximum credit course load is **8** periods [this could mean 9+ credits for students in College Credit Plus (CCP)]
- Minimum credit course load is 5 credits per ODE guidelines however it is highly recommended that students in grades 9-10 should have no more 1 study hall.

**Schedule Changes**

- A student may add/drop a class not required for graduation during the first five days of a semester. Parent permission to change schedules is generally required. The guidance office must approve changes. Period changes are not permitted for the same course.
- An add/drop/or change is allowed only within the 1<sup>st</sup> five (5) weeks of the course. After five weeks, if the teacher, counselor, parent, and student all agree that the course is not appropriate, one of the parties listed above may notify the Guidance Office and make a request to change the course.
- If a course is dropped after the fifth week, the student may receive an "F" for the semester.

**Guide for Grade Level Classification**

Freshman promoted from 8 <sup>th</sup> grade	Sophomore 5 credits	Junior 10 credits	Senior 15 credits
---	------------------------	----------------------	----------------------

**Special Education and Inclusion Services**

The Fort Frye special education department provides every opportunity for students to reach their maximum potential.

Special education services are available for students who are eligible through the decision of a Multifactorial Evaluation team. If you are having difficulty, please see a teacher, the guidance counselor, or the principal for intervention assistance.

Intervention Specialists serve a variety of students. Intervention services may be available in the following content areas: English, Math, Science, and Social Studies. Students are scheduled in one of three ways;

- Self-contained English and Math classes are offered in the special education resource room and are taught by a highly qualified intervention specialist. Class sizes are kept small to facilitate learning and instruction is geared toward a student's individualized needs as identified in the Individualized Education Plan (IEP).
- Inclusion classes are offered in all subjects as stated above. Intervention specialists are paired with the regular classroom teacher to provide instruction and assistance for all students. Instruction may be delivered through small group instruction, cooperative learning, and/or one-to-one assistance.
- General education classes are offered with the support of Intervention Specialists who will be available to help meet the requirements of students with special learning needs.

### **A+ Online Courses**

A+ is an online course option currently being used for credit recovery and elective expansion. All A+ options require the authorization of the Building Principal and the Guidance Counselor. If a course is available on campus, then students currently on campus will be enrolled in that course when possible.

### **College Credit Plus (CCP)**

College Credit Plus replaces the PSEO and Dual Enrollment Programs. CCP can help students earn college and high school credits at the same time by taking college courses from community colleges or universities. Details are available at the Ohio Department of Education Webpage. This can be linked from the FFHS Guidance Webpage. (<http://www.fortfrye.k12.oh.us/guidance/7-12.php>).

Students must meet the college's eligibility criteria for the CCP program. Students and parents each year encouraged to attend a state mandated meeting in the High School Library and file a letter of intent to participate in CCP courses with the Guidance Office by April 1, 2016. The meeting this year was conducted on January 10, 2017. Meeting notes are linked on the guidance website.

### **Credit Flex**

Credit Flexibility is an option available to students. Students in grades eight through twelve may "test out" or create their own "flex plan" to receive credit for a course. In order to participate, students must turn in a completed Fort Frye High School Flex Plan Application, meet established course prerequisites, and possess sufficient skills and abilities necessary for independent work. Applications are available in the high school office.

Credit Flexibility is an option available to all students; however, it is not intended to be used for credit recovery. Also, potential NCAA athletes should carefully review course restrictions which may include Credit Flex courses. Interested students and parents may wish to make an appointment with the building principal to discuss this option.

**Associate of Arts Transfer in Liberal Arts  
15 hour and 30 hour Pathway  
Washington State Community College  
Fort Frye High School**

<b>15+ Hour Pathway</b>					
<b>Course Name</b>	<b>Course Number</b>	<b>Pre-requisite</b>	<b>Credit Hours</b>	<b>College</b>	<b>Delivery Method</b>
English Comp I	ENGL 1510	College Readiness	3	WSCC	VonKennel
College Algebra	MATH 2130	College Readiness	4	WSCC	Sleek
American Government	POLS 1020	College Readiness	3	WSCC	Webb
Survey of American Literature I	LITR 2100	ENGL 1510 English Comp I	3	WSCC	Online
PC Apps	BUSM 1600	No Pre-req	3	WSCC	Scott
<b>30+ Hours Pathway (Includes courses from 15 hour pathway above)</b>					
<b>Course Name</b>	<b>Course Number</b>	<b>Pre-requisite</b>	<b>Credit Hours</b>	<b>College</b>	<b>Delivery Method</b>
Precalculus	MATH 2150	College Readiness	5	WSCC	Sleek
Principles of Statistics	MATH 2110	College Readiness	3	WSCC	Sleek
Survey of British Lit I	LITR 2200	ENGL 1510 English Comp I	3	WSCC	Online
Speech	SPCH 1510	ENGL 1510 English Comp I	3	WSCC	Online or Distance Learning
State and Local Government	POLS 1030	College Readiness	3	WSCC	Webb

**Associate of Arts Transfer in Education  
15 hour and 30+ hour Pathways  
Washington State Community College (WSCC) and Fort Frye High School**

<b>15 Hour Pathway</b>					
<b>Course Name</b>	<b>Course Number</b>	<b>Pre-requisite</b>	<b>Credit Hours</b>	<b>College</b>	<b>Delivery Method</b>
English Comp I	ENGL 1510	College Readiness	3	WSCC	VonKennel
Speech	SPCH 1510	College Readiness	3	WSCC	Online or Distance Learning
National Gov't or State and Local Gov't	POLS 1020 or POLS 1030	College Readiness	3	WSCC	Webb
Intro to Teaching	EDUC 1000	College Readiness	3	WSCC	Pfeffer
Exceptional Learners	EDUC 2100	College Readiness	3	WSCC	Pfeffer
<b>30+ Hours Pathway (Includes courses from 15 hour pathway above)</b>					
<b>Course Name</b>	<b>Course Number</b>	<b>Pre-requisite</b>	<b>Credit Hours</b>	<b>College</b>	<b>Delivery Method</b>
College Algebra or math elective	MATH 2130	College Readiness	4	WSCC	Sleek
PC Apps	BUSM 1600	College Readiness	3	WSCC	Scott
English Comp II	ENGL 1520	ENGL 1510 English Comp I	3	WSCC	VonKennel
Survey of American or British Literature	LITR 2100 or LITR 2200	ENGL 1510 English Comp I	3	WSCC	Online
General Psychology	PSYC 1010	College Readiness	3	WSCC	Online
Ed Tech	EDUC 1700	College Readiness	3	WSCC	WSCC
Educational Psychology	EDUC 202	College Readiness	3	WSCC	Online

**Associate of Arts Transfer in Business Administration  
15 hour and 30 hour Pathways  
Washington State Community College and Fort Frye High School**

<b>15 Hour Pathway</b>					
<b>Course Name</b>	<b>Course Number</b>	<b>Pre-requisite</b>	<b>Credit Hours</b>	<b>College</b>	<b>Delivery Method</b>
English Comp I	ENGL 1510	College Readiness	3	WSCC	VonKennel
Business Management I	BUSM 1550	College Readiness	3	WSCC	Online
Survey of American Literature	LITR 2100	ENGL 1510 English Comp 1	3	WSCC	Online
Principles of Macroeconomics	ECON 2120	College Readiness	3	WSCC	Online
PC Apps	BUSM 1600	College Readiness	3	WSCC	Scott
<b>30+ Hours Pathway (Includes courses from 15 hour pathway above)</b>					
<b>Course Name</b>	<b>Course Number</b>	<b>Pre-requisite</b>	<b>Credit Hours</b>	<b>College</b>	<b>Delivery Method</b>
English Comp II	ENGL 1520	ENGL 1510 English Comp 1	3	WSCC	VonKennel
National Gov't or State and Local Gov't	POLS 1020 or POLS 1030	College Readiness	3	WSCC	Webb
College Algebra or Intro to Calculus	MATH 2130 MATH 2260	College Readiness	4 3	WSCC	Sleek
Survey of British Literature	LITR 2200	ENGL 1510 English Comp 1	3	WSCC	Online
Intro to Finance	BUSM 2300	College Readiness	3	WSCC	Online

## **Class of 2018 and Beyond**

**Assessments** Downloaded 10/28/15 from <http://education.ohio.gov/Topics/Ohio-Graduation-Requirements/Graduation-Requirements-2018-and-Beyond>  
Meet one of the three criteria.

1. **Ohio's State Tests** Students **earn a cumulative passing score of 18 points**, using seven end-of-course state tests. To ensure students are well rounded, they must earn a minimum of four points in math, four points in English and six points across science and social studies.

### **End-of-course exams are:**

- Algebra I and geometry (or integrated math I and II)
- Biology (or physical science for class of 2018 only)
- American history and American government
- English I and English II

Students can earn from 1-5 points for each exam, based on their performance.

5 - Advanced 4 - Accelerated 3 - Proficient 2 - Basic 1 - Limited  
Students studying Advanced Placement (AP) or International Baccalaureate (IB) courses in biology, American history or American government may take and substitute test scores for end-of-course state exams to avoid double testing. Students also may substitute grades from College Credit Plus courses in these subjects for end-of-course state exams.

### **Exam Retakes**

Students that score below proficient on an exam may retake it after they receive some extra help on the material. Students that score proficient or higher on an end of course exam can retake exams only if, once they take all the exams, they have not met the minimum graduation points to graduate. In this case, a student can retake any exam after receiving some extra help on the material. The same rules apply to substitute exams, which may be used interchangeably with approved tests

2. **Industry credential and workforce readiness** Students earn 12 points through a State Board of Education-approved, **industry-recognized credential or group of credentials** in a single career field and achieve a **workforce readiness score** on the **WorkKeys** assessment. The state of Ohio will pay one time for those who take the WorkKeys assessment.

3. **College admission test** Students earn "remediation-free" scores in English language arts and mathematics on a nationally recognized college admission exam. The state of Ohio will pay one time for all 11th grade students in the classes of 2018 and beyond to take the exam free of charge. FFHS students will take the ACT.



## DIPLOMAS WITH HONORS CRITERIA

*Students need to fulfill all but one of the applicable criteria for the Diploma with Honors*

Subject	Academic Diploma with Honors FFHS/PSEO/CCP	Career-Technical Diploma with Honors for WCCC
<b>English</b>	4 units	4 units
<b>Mathematics</b>	4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
<b>Science</b>	4 units, including physics and chemistry	<b>4 units, including two units of advanced science ****</b>
<b>Social Studies</b>	4 units	4 units
<b>Foreign Language</b>	3 units (must include no less than 2 units for which credit is sought), i.e., 3 units of one language or 2 units each of two languages	N/A
<b>Fine Arts</b>	1 unit	N/A
<b>Electives</b>	N/A	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit
<b>Grade Point Average</b>	3.5 on a 4.0 scale	3.5 on a 4.0 scale
<b>ACT/SAT Score [excluding scores from the writing sections]*</b>	27 ACT / 1210 SAT	27 ACT / 1210 SAT
<b>Additional Assessment</b>	N/A	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

Diploma with Honors requirements pre-supposes the completion of all high school diploma requirements in the Ohio Revised Code including:

½ unit physical education\*\* ½ unit health ½ unit in American history ½ unit in government

\* Writing sections of either standardized test should not be included in the calculation of this score.

\*\* SB 311 allows school districts to adopt a policy exempting students who participate in interscholastic athletics, marching band or cheerleading for two full seasons or two years of JROTC from the physical education requirement.

\*\*\*\* Advanced science refers to courses in the Ohio Core that are inquiry-based with laboratory experiences and align with the 11/12<sup>th</sup> grade standards (or above) or with an AP science course, or with the new high school syllabi, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy), or contain material above the current OGT level.

The Ohio Department of Education is proposing new Diplomas with honors go to :

<http://education.ohio.gov/getattachment/Topics/Ohio-Graduation-Requirements/Graduation-Requirements-2014-2017/Criteria-for-Diploma-with-Honors/Submitted-Honors-Diploma-Rule-and-grid.pdf.aspx> to see the proposed new language and summary grid.

## GRADUATING CLASSES OF 2017 and Beyond

### Ohio Core Graduation Requirements for Fort Frye High School

English Language Arts	4.0 units
Health	.5 unit
Mathematics	4.0 units #
Physical Education	.5 unit #
Science	3.0 unit #
Social Studies	3.0 units #
Financial & Career Planning	.5 unit #
Fine Arts	1.0 unit #
Electives	<u>4.5 units #</u>
	21.0 units

#See clarifying notes in table below.

Subject	2018 & Beyond
<b>Financial/ Career</b>	All students must receive instruction in economics and financial literacy during Grades 9-12 and must complete at least two semesters of fine arts taken any time in Grades 7-12. Students following a career-technical pathway are exempted from the fine arts requirement.
<b>Math</b>	The State Board of Education may decide to include an algebra II end-of-course examination in place of the algebra I end of course exam beginning for students entering ninth grade on or after July 1, 2016.
<b>Science</b>	Science units must include one unit of physical sciences, one unit of life sciences and one 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. Students on a Student Success Plan may be exempted from advanced study in science.
<b>Social Studies</b>	Social studies units must include ½ unit of American history and ½ unit of American government.
<b>Electives</b>	Electives units must include one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education or English language arts, mathematics, science or social studies courses not otherwise required.
<b>Physical Education</b>	School districts may adopt a policy that would exempt students who participate in interscholastic athletics, marching band or cheerleading for two full seasons or an approved Junior Reserve Officer Training Corps (JROTC) program for two years from the physical education requirement. Students must take another course, which cannot be a physical education course, of at least 60 contact hours.

**All seniors must satisfactorily complete the seniors in the Job Market Program.**

**The Classes of 2018 and beyond** must meet the new assessment guidelines as described on page 8. This legislation did NOT change the current courses or number of course credits that students must complete to be eligible for graduation.

ORC mandates but ODE has not posted language stating that with the class of 2021 .5 unit of world studies will be required. This is not yet reflected in the above standards though this requirement is already met through 9<sup>th</sup> grade world history taught at FFHS.

## Alternative Gradation Requirement for the Ohio Core Graduation Requirements at Fort Frye High (Opt Out)

This plan is formally known as the Ohio Curriculum Choice and detailed information may be found at <http://education.ohio.gov/getattachment/Topics/Ohio-s-New-Learning-Standards/Ohios-New-Learning-Standards/Ohio-Curriculum-Choices/Curriculum-Choice-Family-Fact-Sheet.pdf.aspx>

Procedures have been developed. Contact the school counselor to request a meeting to discuss this “opt out” provision. To earn a diploma without completing the core curriculum for the Classes of 2018 to 2019, the student’s family, including child, must:

- Meet with school to have the Curriculum Choice provision fully explained;
- Understand any additional requirements the school district has for this option;
- Develop and complete a Student Success Plan in the third year of high school. One exception is students who transfer or enroll in an Ohio high school after their third year of high school may also select Curriculum Choice as a part of the placement process.
- Sign a written consent stating the Curriculum Choice, its consequences and added district requirements is understood by all. The school will keep the consent in the student’s file.

### Graduating Classes of 2018 & 2019 “Opt Out”

English	4.0	
Math	4.0 #	
	1 unit shall be one of the following: probability and statistics; computer programming; applied mathematics; quantitative reasoning; and any other course approved by the department	
Social Studies	3.0*	
	Social Studies Elective (1.0), U.S. Studies (1.0), American Government (1.0)	
Science	3.0	
	Physical Science (1.0), Biology (1.0), Advanced Science Elective (1.0)	
Health	0.5	
Phys. Ed.	0.5	(1 semester = .25)
Life Planning	0.5	
Bus/Tech/FA/FL	1.0**	
	Business/Technology or Fine Arts or Foreign Language (1 unit or 2 half units)	
Electives	<u>4.5</u>	
Total Credits	21.0	

- \*ORC mandates but ODE has not posted language stating that with the class of 2021 .5 unit of world studies will be required. This is not yet reflected in the above standards though this requirement is already met through 9<sup>th</sup> grade world history taught at FFHS.
- \*\*Business/Technology is defined as any computer class, agriculture education class, industrial technology course, or family and consumer sciences course. Any WCCC career technical course will meet this requirement.
- All seniors are required to complete Seniors in the Job Market portfolios.
- The Classes of 2018 and beyond must meet the assessment requirements outlined for the Class of 2018+ (7 EoCEs, Industry, or College Entrance Exam).

## College and University Admissions Requirements

<u>Liberal /Traditional</u>		<u>Selective/Highly Selective</u>
<b>English</b>	4	4 AP/CP
<b>Math</b>	3 Alg. I, II, Geometry	4 Alg. II and beyond
<b>Science</b>	3 Phys., Bio., Chem.	4 Honors beyond Chem.
<b>Soc. Studies</b>	3 Govt., US Stud., Elec.	4 Honors additional Elec.
<b>Foreign Lang.</b>	2 Spanish	3-4 Spanish
<b>Performing Arts</b>	1 Art, Choir, Band, Drama	1 Art, Choir, Band, Drama
<b>Accum. GPA</b>	C or higher	B or higher
<b>ACT</b>	17-24	21-30

## FOUR YEAR ACADEMIC PLAN FOR COLLEGE BOUND STUDENTS

Assuming .5 credit of high school phys.ed. was earned during 8<sup>th</sup> grade  
\*1 credit of a Performing/Visual Arts elective must be completed

### FRESHMAN YEAR

CP English 9  
CP Algebra I / CP Geometry  
CP Physical Science  
Spanish I  
CP Social & World Studies  
\* Elective  
Study Hall or \*Elective  
Lunch

### SOPHOMORE YEAR

CP English 10  
CP Geometry / CP Algebra II  
CP Biology  
Fin.&Career Planning/Health  
Spanish II  
CP U.S. Studies  
Study Hall or \*Elective  
Lunch

### JUNIOR YEAR/1 Math

Eng. Comp./Amer. Lit.  
Amer.Natl./St. & Local Gvt.  
CP or Honors Chemistry  
Spanish III  
Algebra II/DE College Algebra  
\*Elective  
Study Hall or \*Elective  
Lunch

### JUNIOR YEAR/2 Maths

CCP Eng Com I./Speech  
CCP Amer.Natl./St. & Local Gvt.  
Honors Chemistry  
Spanish III  
CCP Precalculus  
CCP or Prin.Stats/Intro Calculus  
Study Hall or \*Elective  
Lunch

### SENIOR YEAR/1 Math

English Comp./Brit. Lit.  
Spanish IV  
CP Social St. Elective  
Honors Physics  
Precalculus  
\*Elective  
Study Hall or \*Elective  
Lunch

### SENIOR YEAR/2 Maths

CCP Eng Comp II/Sen Job Mark  
Spanish IV  
CCP Social St. Elective  
Honors Physics  
AP Calculus  
CCP Prin.Statistics/Intro Calculus  
Study Hall or \*Elective  
Lunch

CCP courses, if available, may replace CP or AP courses

## 2 Year Plan for Washington County Career Center Bound Students

Assuming .5 credit of high school phys. ed. was earned during 8<sup>th</sup> grade

### Freshmen

CP English 9

CP Algebra I/CP Geometry

CP Physical Science

CP Soc. & World Studies

Elective

Elective

Elective

Elective/Study Hall

### Sophomore

CP English 10

CP Geometry/CP Algebra II

CP Biology

CP US Studies

Financial Career Planning/Health

Elective

Elective

Elective/Study Hall

State mandated tests will continue at WCCC. Physical Education and Financial and Career Planning courses are not taught at WCCC. Students must pass these courses at Fort Frye High School. Scheduling may not be possible at WCCC to make-up required courses for graduation which were failed in 9<sup>th</sup> or 10<sup>th</sup> grade. Credit recovery/make-up credit options for required courses for graduation are provided via on-line instruction on the WCCC campus and through summer courses at Fort Frye High School.

### **Enrollment Guidelines for WCCC**

To be admitted to a technical program at the Career Center, a **junior** must have earned at least six credits in the state required core areas. These must include at least one credit in each of the following: English, Math, Science and Social Studies. A senior must have earned a minimum of twelve credits, ten in the required core areas. At least two of the credits must be in English and math, one in science, one in social studies, and one in PE/health. Early graduation is not available at the Washington County Career Center.

Rising juniors and seniors may elect to apply to the Washington County Career Center at any time prior to the opening of school as space permits. Students will be placed on a waiting list if the course is filled to capacity. There is traditionally a priority application deadline early to mid-March.

### **Washington County Career Center Technology Programs**

Auto Collision/Custom Paint &  
Graphics

Auto Mechanics

Building Technology/Carpentry

Cosmetology

Diesel Truck Mechanics

Digital Marketing

Electricity

Graphic Design and Video  
Production

Heavy Equipment

Landscape Construction & Turf  
Management

Masonry

\*Medical College Prep

Patient Health Care

\*Sport Medicine & Exercise Science

Welding

\* Entrance requirements: C or better in Biology & Algebra I; GPA of 2.5 or above

## **Student Athletes Planning to Play a College Sport--NCAA or NAIA**

(More information and a quick link to both NCAA & NAIA is available on the HS Guidance Page under Student Athletes)

Student Athletes and their parents are responsible for reviewing and knowing the initial eligibility requirements to play a college sport. Therefore, an individual conference with the school counselor, parent, and student is highly recommended. This should be done when the student is scheduling for grades 9 thru 12. Keep in mind that students will officially register on line with NCAA/NAIA *by the end of the athlete's junior year*, a fee will be assessed by those agencies.

Fee Waivers---You are eligible for a waiver of the registration fee only if you have received a fee waiver for the ACT/SAT fee. You must have an authorized high school official submit your fee waiver documentation on line. If you have not yet been granted a fee waiver by ACT/SAT, you are not yet eligible for the registration fee waiver. Contact the guidance department for more information. Students need to complete registration at the end of their junior year or beginning of their senior year.

All ACT/SAT test scores must be submitted to NCAA/NAIA directly from the testing company. The code for NCAA is "9999" and for NAIA "9876" will send your score directly to the Eligibility Centers and should be requested at the time the student registers for the test. The student's score should still be sent to Fort Frye High School with a code of "360-470" as well as any potential institution of higher education.

### **NCAA Athletic Eligibility Information**

Go to NCAA Eligibility Center on line at

[http://web3.ncaa.org/ECWR2/NCAA\\_EMS/NCAA.jsp](http://web3.ncaa.org/ECWR2/NCAA_EMS/NCAA.jsp) click - Enter as a Student Athlete. NOTE: Division III Eligibility Standards - contact the institution regarding its academic and amateurism policies. GPA requirements and ACT Test Score requirements are found on line.

### **NAIA ATHLETIC ELIGIBILITY INFORMATION**

May be found on the internet at: <http://www.playnaia.org/> click on - Register to Play or for more information click U.S. Students>Entering Freshmen. GPA requirements and ACT Test Score requirements are found on line.

## **Career Technical Department and Agriculture Education**

If you take an Agriculture Class you are required to be a FFA member  
FFA Dues will be \$20.00 paid to Mrs. Lang

### **Agriculture, Food and Natural Resources (2 semesters)**

Course # 102 103 Credit .5 per semester Grades 8-12 Fee: \$10.00

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, students 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. Recommended as a first year Ag class.

### **Animal and Plant Science (2 semesters)**

Course # 104 105 Credit .5 per semester Fee: \$10.00

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined. Recommended as a second year Ag class.

### **Animal Health (2 semesters)**

Course # 146 147 Credit .5 per semester Fee: \$10.00

Students will examine causes, symptoms, and treatment of common diseases with emphasis on developing preventative health management plans. Topics will include the study of pathogens, and classifying types of diseases and disorders. Students will perform animal health assessments and compare to standard characteristics. Throughout the course, students will utilize principles of technology to manage information systems, and research issues affecting the industry. Recommended Pre-requisite: Animal and Plant Science or livestock experience.

### **Livestock Selection, Nutrition and Management (2 semesters)**

Course #140 141 Credit .5 per semester Fee: \$10.00

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

### **Environmental Science for Agriculture and Natural Resources (2 semesters)**

Course #148 149 Credit .5 per semester Fee: \$10.00

Students will study relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands will be applied. Students will examine fundamentals of resource development, agriculture sustainability, energy needs and pollution control. They will analyze and interpret data gathered from studies on the ecosystem. Throughout this course, students will develop responses to environmental problems and develop management strategies for responsible conservation and resource development.

### **Science and Technology of Food (2 semesters)**

Course # 152 153 Credit .5 per semester Grades 8-12 Fee: \$15.00

This first course in the pathway examines the research, marketing, processing and packaging techniques applied to the development of food products. Students will examine principles of food preservation techniques and determine correlations to food sensory, shelf life and food stability. Students will examine and develop food safety, sanitation, and quality assurance protocol. Government regulations and food legislation will be examined and the implications to food science and technology will be identified.

### **Agricultural and Industrial Power (2 semesters)**

Course # 112 113 Credit .5 per semester Grades 8-12 Fee: \$15.00

The Agricultural and Industrial Power course will introduce students to the breadth of the Agricultural and Industrial Power Technology pathway. Students will learn the principles of agricultural and industrial power technology equipment systems including electronic, electrical, engines, fuel, hydraulics, and power trains. Additionally, students will learn to operate and maintain agricultural and industrial equipment.

## **Career Internship**

Career Internship (Course #537) is a second semester course for Seniors. It is a course for students to gain and practice employability skills through internship placement.

In this course, students will be expected to develop a full range of skills including:

- Working appropriately and professionally with others
- Communicating effectively (interviews, presentations, one on one)
- Demonstrating leadership skills, integrity, ethical behavior and social responsibility, including a special emphasis on taking the initiative and self-direction
- Time and project management
- Using appropriate technology
- Working as part of a team



## Computer Technology Department

A home computer is not necessary to take these courses. All class sizes are limited to 30 due to availability of equipment. **Computer Course Fee: \$15.00**

### **Computer Applications I** (1 semester)

Course # 300 Credit .5 Grades 8-12

Students will learn the software Microsoft Word, which is part of the Microsoft Office package. They will learn word processing commands to create letters, reports, tables, and graphics. All assignments will be completed in class and there is no homework.

### **Computer Essentials** (1 semester)

Course # 305 Credit .5

This class will prepare you for the future. This course will have the following components: formatting documents, creating/editing spreadsheets, and creating/editing presentations. Students will learn how to cite sources correctly. Students will create brochures, flyers, and newsletters that are appealing. There will be an introduction to spreadsheets and charts, using formulas and functions. Students will also be taught how to create a presentation using correct and easiest techniques.

### **CCP or HS PC Apps** (1 semester)

Course # DEBUSM1600 or BUSM1600 Credit 1 @ FFHS & 3 sem. Hours @ WSCC or .5 FFHS

In this course students will learn the basics of creating and editing a basic word processing document using Microsoft Word. Techniques covered include page formatting such as setting margins and controlling layout, formatting text with color and font choice, paragraph formatting with spacing and justification, and the use of graphics such as pictures and clipart. Students will then work on more advanced elements of Microsoft Word. The students will edit more complex documents working with graphics, building blocks, using the merge feature, working with styles, templates and references. The students will also be introduced to integrating Word with other programs, using advanced graphic commands, building forms, and customizing Word.

### **CCP or HS MS Excel** (1 semester)

Course # DEOAST2220 or OAST2220 Credit 1 @ FFHS & 3 Sem. Hours @ WSCC or .5 FFHS

This course will give the student the necessary skill to create, edit, format, and print a basic spreadsheet using Microsoft Excel. Basic and complex formulas will be used as well as function formulas. The students will learn how to manage workbook data and data using tables, how to analyze table data, automating worksheet tasks, create charts from spreadsheet data and how to enhance the charts and use What-if analysis.

**Hypermedia (1 semester)**

Course # 320 Credit .5 Grades 11-12 Prerequisite: Teacher Permission  
Students will learn the software program, PowerPoint, which is a part of the Microsoft Office Package. They will create multimedia presentations that include text, graphics, animation, and transitions. Students will use a scanner, digital camera, and graphics program as they incorporate the graphics into the PowerPoint presentation. All assignments will be completed in class and there is no homework.

**Computer Graphics (1 semester)**

Course # 340 Credit .5 Grades 11-12 Prerequisite: Teacher Permission  
Students will learn the image editing software, PhotoShop Elements. Activities will include how to capture images from digital cameras, scanners, and CDs as well as how to correct photos and use editing tools. All assignments will be completed in class and there is no homework.

**Web Publishing & Design (1 semester)**

Course # 332 Credit .5 Grades 11-12 Prerequisite: Teacher Permission  
Students will learn about the emerging Web Publishing industry, background and history of the Internet, and navigation techniques. Students will learn about the required HTML tags, attributes, and elements found in standard HTML programming. Students will create their own web pages where they will also learn how to properly add text, links, images, tables, backgrounds and sound to their Web Pages.

## Education Department

### **CCP or HS Introduction to Teaching** (1 semester)

Course # DEEDUC1000 or EDUC1000 Credit 1 @ FFHS & 3 sem hrs @ WSCC or .5 FFHS Grades 11-12

Introduction to the teaching profession and college education program. Study revolves around six themes: standards-based education, professionalization, diversity, democratic issues, curriculum and instruction, and legal and organizational issues. These themes will be examined through selected readings and field experiences. This CCP class has the potential to be offered as distance learning via Polycom with collaborating Ohio schools.

### **CCP or HS Exceptional Learners** (1 semester)

Course # DEEDUC2100 or EDUC2100 Credit 1 @ FFHS & 3 sem hrs @ WSCC or .5 FFHS Grades 11-12

This study of people with special needs and exceptionalities includes information on inclusion and differentiated school programming with emphasis on understanding their needs and behaviors.

## English Department

(NCAA approved)

### **CP English 9** (2 semesters)

Course # 405 406 Credit .5 per semester Grade 9

This freshman course includes writing various types of compositions with integrated usage instruction and language review as necessary; an emphasis on the short story form, both fiction and nonfiction; consideration also of essays, dramas, and novels. Writing emphasis on argumentative essays. Listening, discussion, critical thinking, and viewing with some public speaking are emphasized. This course is designed to be an introduction for college bound students to the demands of higher level English courses.

### **CP English 10** (2 semesters)

Course # 415 416 Credit .5 per semester Grade 10

This course is designed to foster the development of language skills including reading, writing, and speaking for sophomores preparing to meet the academic demands of college. Organized around a series of research projects, reading includes fiction and nonfiction—essays, articles, stories, drama, novels, and other books—at a level of sophistication appropriate to the tenth grade. Critical appreciation of various texts is both developed through and demonstrated by student participation in discussion. Students should expect to write regularly, crafting essays appropriate to the given content, audience, and purpose.

### **CP American Lit and Composition** (2 semesters)

Course # 425 426 Credit .5 per semester Grade 11 or 12

This course is designed to foster the development of language skills including reading, writing, and speaking. Focusing primarily on American Literature, reading assignments include fiction and nonfiction—essays, articles, stories, drama, novels, and other books—at a level of sophistication appropriate for

juniors preparing to meet the academic demands of college. As they read, students will experiment with a full range of close reading strategies: they will annotate texts, keep dialectical journals, develop effective graphic organizers, and in the process, discover their personal best reading practices. Research and discussion are both integral pieces of this course, as is regularly assigned writing.

### **CP British Lit and Composition** (2 semesters)

Course # 440 441 Credit .5 per semester Grade 11 or 12

This course is designed to prepare the student for college English classes. An emphasis will be placed not only on literature at a college level, but there will be a strong concentration on research, writing, and grammar skills. Grading will be strict, so that the student is well prepared to enter the college atmosphere.

### **CCP Composition I** (1 semester)

Course # DEENGL1510 Credit 1 @ FFHS & 3 sem hrs @ WSCC Grade 11

Develop, compose, and revise expository essays, which center on a definite thesis statement. The course covers rhetorical modes such as example, process analysis, definition and comparison/contrast. The course also covers planning, drafting, revision skills.

### **CCP Composition II** (1 semester)

Course # DEENGL1520 Credit 1 @ FFHS & 3 sem hrs @ WSCC Grade 12

Continues improvement of writing skills. Argumentative and expository papers created by evaluating information from multiple perspectives and drawing reasonable conclusions for a final research writing.

## **English Elective**

**Drama** (2 semesters) *Teacher approval and/or audition may be required.*

Course # 240 241 Credit .5 per semester

This course is a study of basic theatre skills, including acting and production techniques. Some written work is involved, but primarily done in a lab situation in class. Student must be willing to "get up in front of people". Students will have the opportunity to participate in all theatre productions in some capacity, (cast or crew). Field trips to various area productions may be included. Students will work towards membership in the International Thespian Society. This class does involve time commitment outside of class. Extra rehearsals are a requirement.

## **Financial and Career Planning**

**Financial and Career Planning** (1 semester)

Course # 516 Credit .5 Grade 10 Fee: \$10.00

Students will explore career choices based on their interests, talents, and goals. This course will provide understanding of the concepts and principles involved in managing one's personal finances. Banking, budgeting, credit, debt, insurance, investing, and many other topics will be covered. **This course is required for graduation and is scheduled during the sophomore year.**

## Fine Arts Department

### Art Department

Art class sizes are limited to 28 students.

#### **Art I** (2 semesters)

Course # 200 201 Credit .5 per semester Grades 8-12 Fee \$30.00

Art I is suggested for first year high school art students. This course is dedicated to making art a highly personal experience. Emphasis is on all types of painting, drawing, art history, appreciation, and an introduction to sculpture.

#### **Art II** (2 semesters)

Course # 210 211 Credit .5 per semester Grades 10-12 Fee \$30.00

Prerequisite: Art I

Environmental Art emphasizes an awareness of the student's ability to plan and shape their own environment through the study of interior design, architecture, perspective, model-building, and experimentation with other forms of design and space. The last 9-weeks is an individualized study of areas of art not previously covered in class work. An introduction of photo shop applications is included.

#### **Art III** (2 semesters) Scheduled for 2016-2017

Course # 220 221 Credit .5 per semester Grades 10-12 Fee \$30.00

Prerequisite: Art I

The World of Art is suggested for, but not limited to juniors and seniors. This course is an exploration of the broad applications of art in the world in which we live. Emphasis is placed upon practical applications of art in calligraphy, illustration, graphic art and design, sculpture, advertising and stained glass.

#### **Art IV** (2 semesters) Scheduled for 2017-2018

Course # 230 231 Credit .5 per semester Grades 10-12 Fee \$30.00

Prerequisite: Art I

Art Careers is offered on a rotating basis, opposite Art III and suggested for but, not limited to juniors and seniors. This course is an in-depth exploration of several art-related career fields; in particular, cartooning, painting, sculpture, textiles, and portraits. There is a high degree of individualization of study. There is an emphasis on production and planning of a media presentation.

## Music Department

Marching Band is an extracurricular activity that takes place after school hours. Marching Band is not for music credit. Contact the Marching Band Director or visit [fortfryemusic.weebly.com](http://fortfryemusic.weebly.com) for more information.

The Fort Frye Glee Club is an extracurricular activity that takes place after school hours. Glee Club is not for music credit. Contact the Glee Club Directors or visit [fortfryemusic.weebly.com](http://fortfryemusic.weebly.com) for more information.

### **Concert Band (2 semesters)**

Course # 252 253 Credit .5 per semester Grades 7-12

Concert Band is an instrument based music class that meets during the day. It is separate from marching band. The class allows for both group and solo performances. Students who have participated in the elementary band are encouraged to participate in the middle/high school version. The group plays a variety of repertoire from popular music to jazz to classic band works. The high school concert band performs at various concerts, graduation, and District IX Contest. Opportunities are available to participate in honor bands and solo and ensemble each year. This course not only teaches musical content knowledge but also valuable life skills through collaboration.

### **Concert Choir (2 semesters)**

Course # 270 271 Credit .5 per semester Grades 7-12

Are you interested in singing? Concert Choir is a class where students come together to sing a variety of music from popular music to Broadway to classical. The class allows for both group and solo performances and performs at various concerts/events throughout the year. Opportunities are available to participate in honor choirs and solo and ensemble each year. This course not only teaches musical content knowledge but also valuable life skills through collaboration.

### **Musical Concept (2 semesters)**

Course # 254 255 Credit .5

This course allows for students to pursue their own musical interests through a course that focuses on learning a new instrument, music theory, and listening skills. Students will pursue an instrument of their choice, learn to write music in a variety of forms, and learn to listen to music more acutely. The class is driven by focusing on the "musical concepts" in tandem with individually designed projects.

**Foreign Language Department**  
(NCAA approved)

**Spanish I** (2 semesters)

Course # 460 461 Credit .5 per semester

A final grade of C or better in the previous years' Language Arts/English course. An introductory course for students with no background in Spanish at the high school level. Emphasis will be placed on the listening and the speaking of the language. The course will include basic vocabulary study, grammar, and verb forms in both written and oral practice. Learning Spanish is one method of understanding the Spanish-speaking people and a major objective of the course will be to cultivate an appreciation of the customs of the Hispanic culture besides developing the ability to speak, read, and write the language at the elementary level.

**Spanish II** (2 semesters)

Course # 464 465 Credit .5 per semester Grades 10-12 Prerequisite: Spanish I

This course is a continuation of Spanish I which resumes practice in the language skills acquired in the first level and emphasizes these special objectives: oral competence, development of reading skills the continuation of a formal study of grammar, progressive skills in writing, and the nurturing of cultural awareness.

**Spanish III** (2 semesters)

Course # 468 469 Credit .5 per semester Grades 10-12 Prerequisite: Spanish II

This is an elective course for students who have completed Spanish I and II and wish to continue their development of communication skills in the Spanish language. Review of Spanish II grammatical structures and selected additional material will be introduced. Emphasis is placed on enhancement of speaking and writing in Spanish. Students will explore current events and global issues of the Spanish speaking world.

**Honors Spanish IV** (2 semesters)

Course #474 475 Credit .5 per semester Grade 11-12 Prerequisite: Spanish III

This is an advanced course for students who have successfully completed Spanish III and wish to continue their pursuit of higher levels of Spanish study. It includes reading selected excerpts of Spanish and Latin American literature, the study of Latin American History, and continues to build fluency in speaking and writing. Recommended for students interested in applying to highly selective colleges.

**Mathematics Department**  
**Math Department Fee \$5.00**

**Applied Algebra I (2 semesters)**

Course # 604 605 Credit .5 per semester Grades 9

This first course in a high school sequence addresses content through concrete models and real-world situations and with less emphasis on symbol manipulation and formal mathematical structure. Topics include solving equations and inequalities; linear functions; basic systems of equations and inequalities; polynomials and basic factoring; quadratic functions and equations; and rational expressions and functions. This course is intended for students who have had difficulty in junior high mathematics.

*Suggested Sequence: Applied Algebra I → Geometry → Applied Algebra II*

**Applied Algebra II (2 semesters)**

Course # 609 610 Credit .5 per semester Grades 10-12 Prerequisite: Completion of Geometry

This third course in a high school sequence addresses content through concrete models and real-world situations and with less emphasis on symbol manipulation and formal mathematical structure. This course reviews some concepts which were introduced in Algebra I, but also introduces some new concepts as well with a focus on application and quantitative reasoning. Topics include linear functions, quadratic functions, complex numbers, exponential functions, and logarithmic functions. This course is intended for students who have had difficulties with Algebra I and Geometry.

(NCAA Approved)

**CP Algebra I (2 semesters)**

Course # 625 626 Credit .5 per semester Grades 9

This course provides students with all of the concepts needed to succeed in a first-year algebra course. Correlated to NCTM Standards and Ohio Standards, the content provides students of all abilities with essential preparation in problem solving, calculator usage, and application lessons that demonstrate how algebra is integrated within related content areas. Topics include solving equations and inequalities; linear functions; systems of equations and inequalities; polynomials and factoring; quadratic functions and equations; and rational expressions and functions. This course is intended for any student.

**CP Geometry (2 semesters)**

Course # 630 631 Credit .5 per semester Grades 9-10 Prerequisite: Successful completion of Algebra I

In this course, students go beyond the basics of geometry as they investigate the world of planes and solids. Students will explore parallel and perpendicular lines; triangles; quadrilaterals and polygons; right triangles and trigonometry; transformations; area and volume; circles; reasoning/logic and proofs. This course is intended for any student.



**CP Algebra II (2 semesters)**

Course # 635 636 Credit .5 per semester Grades 10-12 Prerequisite: Successful completion of Geometry

This course not only extends the ideas which were developed in Algebra I and Geometry, but also introduces new concepts such as the complex number system, polynomial functions, exponential functions and equations, logarithms, and rational functions. This course is intended for any student.

**CCP or HS College Algebra (2 semesters)**

Course # DEMATH2130A/B or MATH2130A/B Credit .5 per semester @ FFHS & 4 sem hrs @ WSCC Grades 11-12 Prerequisites: Completion of Algebra II

Application-based course on functions and graphs, systems of linear equations, 3x3 determinants, factoring, quadratic equations and inequalities, exponents and radicals, and logarithms.

**CCP or HS Precalculus (2 semesters)**

Course # DEMATH2150A/B or MATH2150A/B Credit .5 per semester @ FFHS & 5 sem hrs @ WSCC Grades 11-12 Prerequisites: Completion of Algebra II with a B or higher

This course is intended for the student needing a solid mathematical background in order to take the AP Calculus AB. Topics to be covered include: functions, graphs of functions including polynomial, rational, all powers, as well as logarithmic and exponential functions, complex numbers and systems of equations and inequalities, operations on matrices, trigonometric definitions,, right and nonright angle trigonometry, trigonometric identities, law of sines and cosines, graphing trigonometric and inverse trigonometric functions, vectors, conics, and polar coordinates.

**CCP or HS Principals of Statistics (1 semester)**

Course # DEMATH2110 or MATH2110 Credit 1 @ FFHS & 3 sem hrs @ WSCC or .5 FFHS Grades 11-12 Prerequisites: Successful completion of Algebra II

Introduction to the vocabulary, concepts, formulas, and presentation of statistics as applied to business and the sciences. This course focuses on measures of central tendencies and dispersion; probability; sampling practices and theory, and probability distributions with emphasis on binomial and normal distributions.

Calculator usage will be incorporated into this course. Recommended for those seeking a Bachelors Degree.

**CCP or HS Trigonometry (1 semester)**

Course # DEMATH2120 or MATH2120 Credit 1 @ FFHS & 3 sem hrs @ WSCC or .5 FFHS Grades 11-12 Prerequisite: Completion of Algebra II or College Algebra (not for students planning to take Precalculus)

This course is intended for students needing a solid foundation in trigonometric functions. Topics to be covered include: trigonometric definitions, graphs of trigonometric functions, trigonometric identities, law of sines, law of cosines, vectors, complex numbers.

**AP Calculus AB** (2 semesters)

Course # 655 656 Credit .5 per semester Grade 12 Prerequisite: A grade of C or above in Precalculus. (Completion of Introduction to Calculus is highly recommended.)

This course is an extension of CP Intro to Calculus. Further exploration of the applications of the derivative and the integral will be included. The course is designed to prepare students for the Advanced Placement Calculus exam, which may award college credit. This course is recommended for students interested in applying to highly selective colleges. The College Board charges apx. \$90 for the Advanced Placement Exam, which may be taken at the end of the course.

## Physical Education and Health Department

### **Health 10** (1 Semester)

Course # 551 Credit .5 Grade 10

Required for graduation, Health is aimed at arousing in the students awareness and an appreciation of the importance of good health as it relates to healthful living today and in the years to come. The course teaches the students to recognize the total self- the physical, emotional, mental, neuromuscular and social facet of one's personality and the inter-relationship of each to form the whole. The course also includes a chance for students to explore their feelings and fears on issues important to adolescent development.

### **Physical Ed.** (1 semester)

Course # 8936G Credit .25 Grades 8-12

Required for graduation, two semesters of physical education must be completed. Phys. Ed. is designed to stress not only the physical aspects of sports, but also the educational elements involved. Instruction is given on the rules, scoring, and correct procedures and form to use when performing each sport. Skill tests are administered after each major sport unit. Good hygiene is stressed with particular emphasis placed on showering needs after activity and the use of body deodorants. Cleanliness also is stressed in keeping gym clothes and towels clean. Sport areas covered are archery, volleyball, basketball, flag football, soccer, badminton, gymnastics, tennis, track and field, floor hockey, and softball. Appropriate shorts, tee shirts, or sweats, white socks, and tennis shoes are the required dress for Phys. Ed. Class.

### **Advanced PE** (2 semesters)

Course # 555 Credit: .25 credit but does not meet any graduation requirements Advanced PE or Sport Training is a course for high school students who wish to advance in body strength and conditioning for varsity sports or recreation. Weight training, cardiovascular endurance, speed and agility drills, and high tech skill workouts are used for those students working to improve their specialty sport. Although designed for the varsity athlete, all students in grades 9-12 may take the class. Discipline will be very strongly enforced.

**Please note: If you have met your .5 PE credit for graduation this class will NOT add any additional credits toward Ohio or FFHS minimum graduation requirements.**

**Science Department**  
(NCAA Approved)

**CP Physical Science** (2 semesters)

Course # 705 706 Credit .5 per semester Grade 9 Fee: \$20.00

This is a high school introductory-level course which satisfies the Ohio Core requirements. It introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. CP Physical science comprises the systemic study of the physical world, as related to chemistry, physics, and space science. Course content includes the study of the properties and reactions of matter; the study of motion, including kinematics and forces of nature; dynamics (Newton's laws); energy; waves; the universe, including stars and galaxies; and the origin of the universe. This is a laboratory-based course.

**Honors Physical Science** (2 semesters)

Course # 708 709 Credit .5 per semester Grade 9 Fee: \$20.00 Prerequisite for the course is co-enrollment in Geometry. Honors Physical Science is a foundation for other high school courses, especially chemistry and physics. Chemistry units include composition and classification of matter, history of atomic structure up to present day model, learning the periodic table to include, but not limited to: chemical symbols, patterns, trends and isotopes, chemical bonding, chemical isomers, chemical reactions acid and base reactions, together with basic nuclear chemistry. Physics units include Newton's laws of motion, forces, scientific definitions of work and power, momentum, conservation and conversions of energy, relationships between electricity and magnetism, wave phenomena and behavior including electromagnetic and sound waves. Because experimentation is the basis of science, laboratory demonstrations and investigations are an integral part of this course.

**CP Biology** (2 semesters)

Course # 715 716 Credit .5 per semester Grade 10 Fee: \$20.00 Prerequisite: Physical Science

This course is the study of living things and the life processes that are common to both plants and animals. The laboratory-based course covers topics from one-celled organisms through the most complex organisms focusing on their structures and related functions. Study will include structures and processes necessary for life; the basic workings of unicellular and multi cellular organisms; the living systems of plants and animals; ecological and evolutionary relationships between organisms and their environment and a concentration on genetics and reproduction.

**Honors Biology** (2 semesters)

Course # 718 719 Credit .5 per semester Grade 10 Fee: \$20.00 Pre-requisite for this course is co-enrollment in Algebra II Honors Biology is designed for the student with a strong interest in a science-related vocation. Investigation of topics in this course will include ecology, biochemistry, cells, photosynthesis and respiration, heredity, population genetics, DNA structure, gene expression, biotechnology and science as inquiry. The study of history of major discoveries

in Biology will facilitate the understanding and give insight into modern and future problems and solutions. Emphasis is placed on modern biotechnological and technical advances as applicable to medicine, food production and human wellness. Students will be able to apply knowledge gained in this course to their everyday lives, make informed choices as members of the community, as well as to further their career in medicine, engineering and other areas with a strong emphasis on science. This course will emphasize higher order thinking skills using online activities, laboratory investigations, independent research, collaborative learning activities, problem solving activities and bioethical discussions.

### **CP Chemistry (2 semesters)**

Course # 735 736 Credit .5 per semester Grade 11-12 Fee: \$20.00

Prerequisites: Biology or teacher recommendation This course is concerned with the organization of chemistry, atomic structure, chemical formulas and equations, physical states of matter, solutions, equilibrium and kinetics, qualitative analysis, and radioactivity. Most colleges require Chemistry for unconditional admissions unless the student has taken Physics in its place. This is a laboratory-oriented course.

### **Honors Chemistry (2 semesters)**

Course # 737 738 Credit .5 per semester Grade 11-12 Fee: \$20.00

Prerequisites: C or above in Biology and simultaneous enrollment in or have completed Algebra II

This course is designed for advanced students to gain a better understanding of the world of matter and energy. Topics include: the periodic table, properties of matter, conservation of atoms, kinetic molecular theory, acid-base reactions, solutions, energy, chemical reactions, chemical equilibrium, molecular bonding, organic and nuclear chemistry. Honors Chemistry applies additional quantitative chemical analysis and more in-depth study of the above topics than CP Chemistry. This is a lab-oriented course. It is highly recommended in preparation for most science and engineering careers.

### **Introduction to Forensic Science (2 semesters)**

Course # 739 740 Credit .5 per semester Grade 11-12 Fee: \$30.00

Prerequisites: Physical Science and Biology The class is designed around authentic performance assessments with students working in teams to solve crimes using scientific knowledge and reasoning. It involves all areas of science including biology, anatomy, chemistry, physics, and earth science with an emphasis in complex reasoning and critical thinking. In addition, students must incorporate the use of technology, communication skills, language arts, art, family and consumer science, mathematics and social studies.

### **Honors Physics (2 semesters)**

Course # 742 743 Credit .5 per semester Grade 12 Fee: \$20.00 Prerequisites: C or above in Chemistry and Algebra II. Simultaneous enrollment in or have completed Math Analysis

The student will study different kinds of forces of nature, particularly the kinds that cause motion. They will also study wave motion as applied to sound and

light. Electricity with special emphasis on simple direct and alternating currents will be covered. Physics is recommended for students planning on going to college, especially those planning on majoring in a math or science related area. This is a math based physics curriculum.

**Honors Anatomy and Physiology (2 semesters)**

Course # 745 746 Credit .5 per semester Grade 12 Fee: \$30.00 Prerequisites: C or above in Biology and Chemistry. This laboratory course is a study of the anatomy, physiology and pathology of the human body. Medical terminology will also be included in the course. This course is highly recommended for students entering a health-related or veterinary field of study.

**Social Studies Department**  
(NCAA approved)

**CP Social and World Studies (2 semesters)**

Course # 830 831 Credit .5 per semester Grade 9

The survey course of Social and World Studies will appraise world events from the 18<sup>th</sup> Century to the present. Emphasis will be placed on analyzing the social, political, and economic effects on global events during this time periods. Explanation of connections between the Enlightenment and changes between the citizens and their governments will be reviewed. Identification of reasons countries gained control of territory through imperialism and the impact on their societies will be discussed. This course will reinforce major historical patterns on global affairs that affect the nations of the world from the 18<sup>th</sup> Century to the present. **Theme:** This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that lead to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

**CP US Studies: 1877-Present (2 semesters)**

Course # 827 828 Credit .5 per semester Grade 10

United States Studies analyzes the historical perspective of the Post-Civil War period and continuing to the present. It is designed to teach modern U. S. History while illustrating relationships with the past and possibilities for the future. A brief review of early U. S. History will begin the course. This course also appraises our American Heritage while utilizing historical, economic, social, governmental and geographic concepts, ideals, and principles. **Theme:** This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

**CP American Government (2 semesters)**

Course # 802 803 Credit .5 per semester Grade 11

How the American people govern themselves at national, state, and local levels of government is the basis for this course. Students can impact issues addressed by local governments through service learning, projects, and activities.

**DE State and Local Government** (1 semester)

Course # DEPOLS1030 Credit 1 @ FFHS & 3 sem. Hrs @ WSCC Grades 11-12  
Survey of the structure and operation of state and local governments. Emphasis on the relationship and interaction of state and local government subdivisions in Ohio.

**CCP American History 1865+** (1 semester)

Course # DEHIST2120 Credit 1 @ FFHS & 3 sem hrs @ WSCC  
Political, diplomatic, social, and economic development of America 1865 to Present. Topics include Reconstruction, the Industrial Revolution, the progressive movement, World Wars I and II, prosperity and depression, and problems of the Cold War era.

**Social Studies Electives**  
(NCAA approved)**Honors History in Film** (2 Semesters)

Course # 842 843 Credit .5 per semester Grades 11-12 Prerequisite: B or above in Social & World Studies and US History or teacher recommendation  
History in film uses popular films to introduce and explore important political and historic events. This class will emphasize state standard topics while allowing students to examine a variety of views. Movies are complemented with readings, class discussion and written comparisons.

(Counts towards Diploma with Honors but not NCAA approved)

**Current Events** (1 Semester)

Course # 806 Credit .5 per semester

Current Events/Contemporary Problems is designed to provide the pupil with the opportunity to explore the broad spectrum of the various disciplines of social studies while placing special emphasis on current national and global issues. While focus is on the United States, this course will compare, analyze and appraise the world community.

**Fort Frye History** (2 Semester)

Course # 804 805 Credit .5 per semester

Fort Frye High School and District and local History. Concentration on research of teams, clubs, school items, athletic records, etc. Alumni interaction, social media connections to school, and hands on activities may be included.

**Yearbook Department****Yearbook** (2 semesters)

Course # 180 Credit .5 per semester Grades 10-12 Prerequisite: Teacher recommendation

Students will learn all aspects of yearbook production, including photograph picture taking and development), layout design, copy writing, and financing. Class members will be responsible for planning, producing, and distributing the **Cadettana**. Class size limited to 12 due to computer access.



## **Volunteer Opportunities**

### **HS Teacher, Office, Library, Guidance, or Physical Education Aide**

Course #TA1/2, OA1/2, LA1/2, GA1/2, PEA1/2 No Credit Grades 7-12

Prerequisite: 2.0 GPA in the immediately preceding 9 weeks and faculty approval. Upper level students must have passed all OGT/PARCC/AIR tests

This program is designed to allow teens to volunteer at FFHS as a high school or guidance office aide, an athletic director aide, a library aide, a phys. ed. aide or teacher aide. Many valuable skills including greeting the public, organizing and following directions, completion of tasks and accepting responsibility may be developed by volunteering in these capacities. Interested students may participate in this program in lieu of a study hall or depending on credit status, in addition to a study hall.

### **Teen Teaching**

Course #TT1/ TT2 No Credit Grades 8-12 Prerequisite: 2.0 GPA in the immediately preceding 9 weeks and principal approval. Upper level students must have passed all OGT/PARCC/AIR tests

This program is designed to allow teens to explore the field of education. Students will be paired with a FF elementary teacher for one high school period a day for 1 or 2 semesters. Activities may include working in small groups with students, helping with class work, assisting with clerical work, displaying bulletin boards, supervising playground, or helping with art, music, or physical education. Interested students may participate in this program in lieu of a study hall or depending on credit status, in addition to a study hall.