

Fremont City Schools



Fremont Ross High School Grades 9-12

Course Description Guide

2017-18

Board of Education

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Mission Statement:

The mission of Fremont City Schools is to develop well-educated life-long learners prepared to be responsible, productive and respectful members of their communities.

District Goals:

- Increase Student Achievement
- Close Socio-Economic, Ethnic and Disability Gaps in Student Achievement
- Build Hope, Trust and Respect with our Community

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ROSS PROGRAMS

Students who elect to take their classes at Ross High School can choose from numerous courses offered by 16 different departments. In addition to the basic, state-mandated core curriculum of English, mathematics, science, social studies, health, and physical education, students, in consultation with their parents/guardians and guidance counselors, can choose electives in agriculture, art, business/technology, family and consumer science, foreign language, engineering, and music. Classes range in content from basic to advanced, and all students are encouraged to advance to the highest level of coursework within their capabilities. To meet the needs of all Ross students, several alternative classes and programs are in place.

- Ross students who desire a more challenging curriculum can elect to take Advanced Placement classes – college level classes for possible college credit – in Government, English Composition and Literature, English Language and Composition, American History, European History, Biology, Calculus, Physics, Chemistry, Spanish and Music Theory.
- Students may also choose the College Credit Plus program – college classes taken by high school students in cooperation with Ohio colleges – offers an excellent bridge between high school and college.
- Students who wish to focus on specific career skills can take advantage of the ½ day program at Vanguard-Sentinel Career & Technology Centers. Students take their academic classes at Ross High School and spend ½ day participating in the lab of their choice at Vanguard-Sentinel Career & Technology Centers. Students may also take all of their classes at Vanguard-Sentinel Career & Technology Centers if they have earned passing scores on State Tests necessary for graduation.
- Work/Community Service allows students to spend part of the school day involved in a part-time job or volunteering at area agencies. This needs to be approved by the building principal.

CREDIT FLEXIBILITY

In 2006, the Ohio General Assembly established the Ohio Core Curriculum (Senate Bill 311), which raised expectations for what all Ohio students must know and be able to do to earn a high school diploma. At the same time, SB 311 directed the State Board of Education to develop a statewide plan for implementing methods for students to earn units of high school credit based on the demonstration of subject area competency. In addition to raising the expectations for graduation, lawmakers provided flexibility to students and educators to successfully meet these higher expectations.

Developed by the Ohio Credit Flexibility Design Team, Ohio's Credit Flexibility Plan shifts focus from evaluating student learning based on seat time to assessing students' demonstrated academic and skill level or performance. The plan does not eliminate Carnegie units or "seat time" requirements altogether. Rather, it retains seat time as one option and expands the number of options for earning credit by adding demonstration of subject area competency and structures that support it irrespective of any time requirements.

Credit Flexibility:

- Offers learning opportunities not found in the one-size-fits-all factory process model;
- Focuses on performance, not seat time;
- Acknowledges and addresses students' differing learning styles, paces and interests;
- Offers students opportunities to demonstrate creativity, explore academic and career interests, and practice critical thinking;
- Recognizes that measures of engagement and ownership are as important for achievement as measures of attendance and access.

With credit flexibility, students can earn credit in three ways, or in a combination of these ways:

1. By completing traditional coursework
2. By testing out or otherwise demonstrating mastery of the course content; or
3. By pursuing one or more educational options (e.g., distance learning, educational travel.)

Students choosing to earn high school credit through a credit flexibility option must meet with their teacher and school counselor prior to completing a credit flexibility application. This session is designed to inform students of all aspects of credit flexibility as well as determine how the proposal aligns with the students' college and career readiness. During the session, students will receive a credit flexibility student application which they will complete under the supervision of their parents. The application will then be reviewed by the appropriate credit flexibility personnel.

Credit Flexibility Program guidelines and procedures are available in the counseling office, main office, or the district website.

GRADUATION REQUIREMENTS

To receive a diploma from Fremont Ross High School and participate in Commencement, Ross and Ross/Vanguard students must earn twenty-one (21) credits, pay all school fees, and meet the following requirements:

1. 4 credits of English
2. 3 credits of Social Studies including the following:
 - 1 credit Social Studies elective – World History will be mandatory replacement of elective beginning with the Class of 2021
 - 1 credit U.S. History
 - 1 credit American Government(For students new to Fremont, some substitution may be allowed at the discretion of the Principal)
3. 3 credits of Science
 - 1 credit of Biological Science
 - 1 credit of Physical Science
 - 1 credit of Science elective
4. 4 credits of Mathematics including Algebra II (or equivalents)
5. ½ credit of Health
6. ½ credit of Physical Education/or waiver
7. ½ credit of Little Giant Pathway – beginning with the Class of 2019
8. 1 credit of Fine Arts is required by the state during grades 7-12
9. Electives as needed to equal 21 credits

CLASS PLACEMENT

See Board Policy

How to Earn Diploma with Honors

Classes of 2018, 2019, 2020 only

High School Academic Diploma with Honors <i>Students need to fulfill only 7 of the following 8 criteria</i>	
Subject	Criteria
English	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units, including Physics and Chemistry
Social Studies	4 units
World Languages	3 units of one language or 2 units each of 2 languages
Fine Arts	1 unit
Grade Point Average	3.5 on a 4.0 scale (unweighted)
ACT/SAT Score	27 ACT / 1210 SAT

Career-Technical Diploma with Honors <i>Students need to fulfill only 7 of the following 8 criteria</i>	
Subject	Criteria
English	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units, including two units of advanced science
Social Studies	4 units
Electives	4 units of Career-Technical minimum.
Grade Point Average	3.5 on a 4.0 scale (unweighted)
ACT/SAT Score	27 ACT / 1210 SAT
Additional Assessment	Achieve the proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment or the equivalent

How to Earn Diploma with Honors

Classes of 2018, 2019, 2020, or 2021

High School Academic Diploma with Honors <i>Students need to fulfill all but 1 of the following:</i>		Career-Technical Diploma with Honors <i>Students need to fulfill all but 1 of the following:</i>	
Grade Point Average	3.5 on a 4.0 scale (unweighted)	Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and one other higher level course
ACT/SAT Score	27 ACT/1280 SAT (excluding optional writing)	Science	4 units, including 2 units of advanced science
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and one other higher level course	Social Studies	4 units
Science	4 units, including 2 units of advanced science	English Language Arts	4 units
Social Studies	4 units	Career Tech Program	4 units of Career-Technical that leads to Industry Recognized Credential, results in apprenticeship, or is part of an articulated career pathway that leads to post-secondary credit
English Language Arts	4 units	World Language	2 units of one world language
World Language	3 units of one world language or no less than 2 units each of 2 world languages	Portfolio	Develop comprehensive portfolio of work based on field experience or area of focus
Fine Arts	1 unit	Field Experience	Complete field experience and document the experience in a portfolio specific to area of focus
		Grade Point Average	3.5 on a 4.0 scale (unweighted)
		ACT WorkKeys	6 ACT WorkKeys reading 6 ACT WorkKeys math
		Proficiency Benchmark	Achieve the proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment

Arts Honors Diploma <i>Students need to fulfill all but 1 of the following:</i>		Social Science and Civic Engagement Honors Diploma <i>Students need to fulfill all but 1 of the following:</i>	
Grade Point Average	3.5 on a 4.0 scale (unweighted)	Grade Point Average	3.5 on a 4.0 scale (unweighted)
ACT/SAT Score	27 ACT/1280 SAT (excluding optional writing)	ACT/SAT Score	27 ACT/1280 SAT (excluding optional writing)
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and one other higher level course	Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and one other higher level course
Science	3 units, including 1 unit of advanced science	Science	3 units, including 1 unit of advanced science
Social Studies	4 units	Social Studies	5 units
English Language Arts	4 units	English Language Arts	4 units
World Language	3 units of one world language or no less than 2 units each of 2 world languages	World Language	3 units of one world language or no less than 2 units of each of 2 world languages
Fine Arts	4 units	Fine Arts	1 unit
Electives	2 units of electives with a focus in fine arts coursework	Electives	3 units of electives with a focus in social science and/or civics coursework
Field Experience	Complete field experience and document the experience in a portfolio specific to area of focus	Field Experience	Complete field experience and document the experience in a portfolio specific to area of focus
Portfolio	Develop comprehensive portfolio of work based on field experience or area of focus	Portfolio	Develop comprehensive portfolio of work based on field experience or area of focus

STEM Honors Diploma <i>Students need to fulfill all but 1 of the following:</i>			
Grade Point Average	3.5 on a 4.0 scale (unweighted)	Fine Arts	1 unit
ACT/SAT Score	27 ACT/1280 SAT (excluding optional writing)	World Language	3 units of one world language or no less than 2 units each of 2 world languages
Mathematics	5 units, including Algebra I, Geometry, Algebra II or equivalent and one other higher level course	Electives	2 units of electives with a focus in STEM coursework
Science*	5 units, including 2 unit of advanced science	Field Experience	Complete field experience and document the experience in a portfolio specific to area of focus
English Language Arts	4 units	Portfolio	Develop comprehensive portfolio of work based on field experience or area of focus
Social Studies	4 units		

*1 single course may fulfill the fifth required credit in both science and mathematics for the STEM honors diploma.

DAILY CLASS LOAD FOR GRADES 9-12

Unless special permission is granted by the principal, students are required to carry at least six (6) courses each semester unless he/she is involved in the Work/Community Service program, College Credit Plus or an Independent Study Project.

PROCEDURES FOR COURSE CHANGES FOR GRADES 9-12

The courses selected in the spring will determine the schedule of classes for the next year. Registration in a course requires a commitment on the part of the student to that course. Course changes must be made within the first five days of the semester. We feel that students have freedom of choice regarding the classes they and their parents select for the coming school year; therefore, once choices are made, changes will be made for the following reasons only:

1. **Irresolvable Conflict:** This could be defined as the offering of two courses at the same time or other scheduling conflicts.
2. **Lack of Required Subject Prerequisites:** This would include subjects which are necessary to meet graduation requirements.
3. **Procedural Errors:**
 - a. Omission of a required class and/or credits for graduation when marking the registration sheet.
 - b. Error in transferring course selection information into the computer.
4. **Interdepartmental:** This would include changing to a more difficult or less difficult course within a department.
5. **Summer School:** Students in summer school who complete a course for which they are scheduled in the fall will be permitted to substitute another class for that course only.
6. Exceptional circumstances as determined by administrator

ADDING A COURSE FOR GRADES 9-12

Students wishing to add a course may do so by consulting with a counselor. Adding will be permitted only during the first five (5) days of a semester and only if the new class has seats available. Exceptional circumstances will be considered by the administrator. Students need to make up any class work missed before they are enrolled in the course.

WEIGHTED COURSES

AP English Language and Composition	AP Physics	AP Chemistry	AP American History
AP English Composition and Literature	AP Biology	AP Spanish	*Certain College Credit Plus courses are
AP Music Theory	AP European History	AP Calculus	also weighted

ATHLETIC ELIGIBILITY

A student enrolled in the first grading period after advancement from the eighth grade must earn a grade point average of at least 1.5, fail no more than one subject and receive passing grades in a minimum of five units or the equivalent in the preceding grading period in which the student was enrolled.

CORE CURRICULUM FOR COLLEGE ADMISSION (STATE OF OHIO):

English – 4 credits	Science -- 3 credits including Biology, Chemistry, and Physical Science
Social Studies – 3 credits	World Languages -- 2 credits of same language
Math – 4 credits including Algebra, Geometry, Algebra II or equivalents	Visual or Performing Arts -- 1 credit

NCAA CORE COURSES FOR COLLEGE SPORTS ELIGIBILITY

Most core classes have been approved by the NCAA as meeting their “core course” guidelines. Check with your counselor for the entire list. If you anticipate playing sports at the Division I or II college level, please speak with your coach and counselor to make sure you are taking the appropriate courses. Athletes who intend to play a Division I or II college sport must apply to the NCAA Eligibility Center no later than fall of their senior year (www.ncaaclearinghouse.net). NCAA recommends registering at the beginning of Sophomore year. NOTE: A+ Credit Recovery Courses do not count towards sports eligibility.

Testing Requirements

Graduation Class 2018	Graduation Class 2019 and Beyond
<p>Ohio's New State Test</p> <p>Algebra I Geometry Physical science Biology American history American government English I English II</p>	<p>Ohio's New State Test</p> <p>Algebra I Geometry Biology American history American government English I English II</p>
Schedule of Tests	Schedule of Tests
<p>Students will take an End of Course (EOC) tests in April-May.</p>	<p>Students will take an End of Course (EOC) tests in April-May.</p>

Accumulating Points on State Tests

Students have an opportunity to earn one to five graduation points on each End of Course test. Students have the potential to earn a total of 35 points. To meet this portion of the graduation requirement, students must earn a minimum of 18 points from all tests. Of the 18 graduation points, a student must earn at least four points on English tests, four points on math tests, and six points on science and social studies tests combined.

Freshman Class of 2021

Required Freshman Classes

- English 9
- Government
- Physical Science or Biology
- Algebra I or Geometry
- Algebra I Fundamentals
- Physical Education or Athletic/Band Waiver
- Little Giant Pathway

Freshman Elective Classes

Ag Food & Natural Resources	Orchestra
Animal & Plant Science	Choir
Mechanical Principles	Jazz Band
Greenhouse & Nursery Mgmt.	Show Choir
Bus Mgmt for Ag/Env Syst	French I
Livestock Select, Nutr & Mgmt	Spanish I
Art 2D	Materials & Process in Woods
Art 3D	Intro to Engineering Design
Auxiliary Corps	Personal Development/ Resource Mgmt.
Little Giant Pathway	
Writing Prep for AP	

Game Time

Ever since you entered kindergarten, you have been preparing yourself for high school. Believe it or not, your teachers have been working hard to get you ready for your freshman year since you were five. Much like an athlete prepares for the “Big Game”, you were preparing for a positive high school experience. While practice is very important, what really matters is the final score of the “Big Game”. It is during your freshman year when we begin keeping track of the score. In other words, your classes now begin counting toward graduation. From now on, what you do will affect your grade point average and be seen on your official high school transcript. Make sure to do your best and ask questions when you need help. We hope to see you in the stadium to celebrate your graduation with the rest of your class. Good luck!

Students take advantage of intervention period.

We will again be offering an intervention period for students at Fremont Ross. If you have a 2.0 GPA or below from 8th grade, you will automatically be scheduled into this intervention period. Four days per week, students will be assigned to an intervention room where they are closely monitored to insure assignments are being completed. Two days per week, students will be able to go to their core teachers for academic assistance. Students that are not assigned to intervention may still attend the twice per week tutoring sessions if they wish. Last year, many students took advantage of the extra help from their teachers.

Freshmen need to get involved in activities

At Fremont Ross we have many opportunities to get involved in extra-curricular activities. We have over 50 different sports or clubs in which you can participate. Most college and scholarship applications ask students to list their high school activities.

Have fun, meet new people - join an extra-curricular activity.
Get involved!

Statewide tests impact 9th graders

You will take required assessments during your freshman year. These assessments will continue to help you meet your graduation requirements.

Freshman Class of 2021

Welcome to the Freshman Academy

The 2017-18 school year will mark the 10th year of the Freshman Academy at Fremont Ross High School. The Academy is made up of three teams of 4 teachers. Each team of teachers has a common planning period at least once per week and also is available twice per week for tutoring. Each team is responsible for approximately 100 students. The Academy concept allows the teachers to get to know their students better and keep track of their progress throughout the year. When students are not in a core class, they take electives which include students of all grade levels. Further Academy classrooms are all located in close proximity to each other to limit hall traffic. Mr. Justin Cummings is our Freshman Academy principal and Mr. Bill Schell is the guidance counselor.

How to Guide your Freshman

1. Monitor academic progress through ProgressBook.
2. Encourage involvement in a variety of activities.
3. Help select appropriate courses.
4. Discuss Internet use.
5. Know your child's friends.

Helpful websites to aide in course planning

The following is a list of websites that may help you.

The Fremont City Schools - www.fremontschools.net

Study Skills Help - www.studygs.net

Interests/Careers- www.careerkey.org

College Action Plan www.collegeboard.com/student/plan/action/freshmen.html

College Readiness <http://www.act.org/standard/instruct/index.html>

INFOhio Information Network www.infohio.org

Sophomore Class of 2020

Required Sophomore Classes

- English 10
- U.S. History or AP American History
- Intro to Biology or Biology or Chemistry
- Algebra I Fundamentals
- Geometry or Algebra II
- Physical Education Athletic/Band Waiver
- Health

Sophomore Elective Classes

French I /French II	Writing Prep for AP
Art 2D/Painting	Spanish I/Spanish II
Art 3D/Sculptures	Personal Dev/Resource Mgmt
Auxiliary Corps	Jazz Band
Business Law I/II	Show Choir
Business Management	Materials & Process in Wood
Choir	Healthy Cuisine
Weight Training	Little Giant Pathway
Accounting I	Vanguard CBI
Personal Fitness	Intro to Engineering Design
Digital Photo I/II	Nutrition & Wellness/Athletes
Swim	Greenhouse & Nursery Mgmt.
Orchestra	Bus Mgmt for Ag/Env Syst
Ag Food & Natural Res.	Livestock Select, Nut & Mgmt
Animal & Plant Science	Mechanical Principles

Start Thinking of Your Career Now

Are you interested in career exploration and spending part of your day learning a practical skill you can use in the future? If you answered yes to any of these questions, you might be interested in Vanguard's Career & Technology Center CBI program. Students who choose to participate in the CBI program will spend part of the day at Ross taking academic classes and they will also spend part of their day rotating through several of Vanguard's labs that they have chosen to explore. By participating in the CBI program, students will receive 2 credits. This is a great opportunity to try a career. Participating in the CBI program in their sophomore year does not mean the student must attend Vanguard as a junior. It is a chance to see what Vanguard has to offer. In order to participate in the CBI program students must be a second year high school student with two core credits. Core credits include credits in English, math, science, social studies, physical education and health. For more information about the CBI program, contact Ms. Blanton in the guidance office.

This is a great opportunity to try a career on for size by attending Vanguard Career & Technology Center for 1/2 day program.

Sophomore Class of 2020

Courses You Need to Attend College and Why They Are Important

Your course schedule may seem like a random selection of classes to you, but college admissions officers see it as the blueprint of your high school education. They're looking for a solid foundation of learning that you can build on in college. The following subjects and classes are standard fare for success in college and beyond.

English: Take English every year. Traditional courses such as American and English literature, help you improve your writing skills, reading comprehension and vocabulary.

Math: You need algebra and geometry to succeed on college entrance exams, in college math classes and in most careers. Take them early on and you'll be able to enroll in advanced science and math in high school—and you'll show colleges you're ready for higher-level work. Colleges would like to see at least Algebra II on your transcript and many would like to see that you have gone further than Algebra II.

Science: Science teaches you to think analytically and apply theories to reality. Laboratory classes let you test what you've learned through hands-on work. Three years of science are recommended for college-bound students

Social Studies: Understand current national and world events by studying the culture and history that has shaped them. Social sciences round out your core curriculum.

World Languages: Solid foreign language study shows colleges you're willing to stretch beyond the basics. Many colleges require at least two years of foreign language study, some prefer more.

The Arts: Research indicates that students who participate in the arts often do better in school and on standardized tests. The arts help you recognize patterns, discern differences and similarities, and exercise your mind in unique ways, oftentimes outside of a traditional classroom setting. This is why colleges want to see that you've taken at least two semesters of coursework in the arts.

Advanced Placement Program (AP): Try out college-level work, master valuable skills and with satisfactory grades, maybe even receive college credit. More than 3,000 higher education institutions award credit based on satisfactory AP Exam grades.

(Taken in part from *How to Select Your Courses* at www.CollegeBoard.com)

Statewide tests impact 10th graders

You will take required assessments during your sophomore year. These assessments will continue to help you meet your graduation requirements.

Junior Class of 2019

What to know to help schedule classes for 2017-18

Congratulations juniors! You are now half way through high school. It is time to start thinking about your last two years and life after graduation. If you are planning to attend a four year college you will need to take the ACT and/or SAT. While you may take the test anytime, you should take it at least once during your junior year. Beginning in the 2016-17 school year, each junior will take the ACT one time in the spring at no cost to them.

One option to consider is Advanced Placement (AP) classes. AP classes help prepare you for the challenge of college coursework and also offer you an opportunity to earn college credit. Students who take AP classes will take the AP exam at the end of the class and, depending on your score, can earn college credit.

Tips for Applying to Vanguard Career & Technology Center

You **MUST** return an application in order to be considered for Vanguard Career & Technology Center. Applications returned after the **March 17** deadline will still be accepted but will **NOT** be considered in the first round selection process.

You **MUST** also return a Course Selection Sheet with your **FIRST CHOICE** Vanguard Career & Technology Center lab checked. You also need to select four (4) periods of academics (English, math, science and an elective).

Senior Class of 2018

Registration Procedures for 2018 Seniors

1. Determine which classes you have taken and which classes you still need.
2. Schedule your required classes first, then electives.
3. Make sure to schedule at least 6 (six) classes per semester unless you are on a special schedule (College Credit Plus, Work/Community Service, Vanguard Career & Technology Center). Consult with your parents.
4. Return completed registration form to Mrs. Frizzell-Joerg.

Important Points to remember when registering for next year:

1. If you wish to receive an Honors Diploma you must complete the requirements as listed on page 4.
2. If you wish to participate in sports at the Division I or II college level, you must apply to the NCAA Clearinghouse. Most students do this at the beginning of the senior year. You must fulfill the NCAA core course requirements to be eligible. You can apply for eligibility at www.eligibilitycenter.org. If you have questions please see your coach or visit the athletic office.
3. Seniors have the opportunity of signing up for Work/Community Service. Work/Community Service allows students to spend part of the school day involved in a part-time job or volunteering at area agencies. This needs to be approved by the building principal.
4. Seniors who failed classes in grades 9 and 10 will need to make those credits up through A+ Credit Recovery or other outside tutoring. The only exceptions are health and PE, which can be taken during the regular school day.
5. Students wishing to take College Credit Plus classes next year need to attend a meeting with your parents and a counselor. The deadline to have all paperwork submitted is April 1.
6. To graduate and participate in graduation ceremonies, the class of 2018 **MUST**:
 - Have twenty-one (21) credits, including all required classes;
 - Earn success on one of the three pathways to graduation.
 - Pay all school fees (to participate in ceremony and get a paper diploma).

Senior Class of 2018

Seniors Last Stand

Seniors, this is the last time you will have to complete a course selection sheet and choose classes for next year. When making your selections, please make sure you have fulfilled ALL graduation requirements. Once you have completed your course selections, it is very important that you PASS all of the required courses to become a graduate of Fremont Ross High. Don't let senioritis get the best of you. Also, stay involved. You only have one senior year, so make the most out of it. Good luck class of 2018!

2017-18 ACT Dates offered at Fremont Ross

September 9, 2017
October 28, 2017
December 9, 2017

February 10, 2018
April 14, 2018
June 9, 2018

You may register online at www.actstudent.org or get a registration packet from your guidance counselor.

Students should report to Ross High no later than 7:45 a.m. on the morning of the test. Be sure to bring your registration ticket, pencils, a calculator, and a PHOTO ID.

Juniors should take the ACT in April or June of their junior year at the latest. That gives them the opportunity to see their scores and retest in October before college applications are due.

2017-18 SAT Dates offered at Fremont Ross

December 2, 2017
March 10, 2018
May 5, 2018

You may register online at www.collegeboard.com or get a registration packet from your guidance counselor.

ROSS HIGH CODE FOR BOTH TESTS: 362220
ROSS A.C.T. TEST CENTER NUMBER: 182380

Agriculture Department

These courses are designed for those students who are planning or strongly considering a career in some area of agriculture such as agribusiness, horticulture, agricultural mechanics, natural resources, production agriculture or a professional agricultural area.

Agriculture, Food and Natural Resources #0900

Full year course Prerequisite: None Grade Level 9-12 Credit 1

This first course in the career field is an introduction to agricultural and environmental systems. Students will be introduced to the scope of the agricultural and environmental systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communications, leadership and business skills essential to the agricultural industry.

Animal and Plant Science #0910

Full year course Prerequisite: None Grade Level 9-12 Credit 1

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.

Mechanical Principles #0920

Full year course Prerequisite: None Grade Level 9-12 Credit 1

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

Greenhouse and Nursery Management #0930

Full year course Prerequisite: None Grade Level 9-12 Credit 1

Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.

Business Management for Agricultural and Environmental Systems #0940

Full year course Prerequisite: None Grade Level 9-12 Credit 1

Students will examine elements of business, identify organizational structures and apply management skills while developing 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. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

Livestock Selection, Nutrition and Management #0950

Full year course Prerequisite: None Grade Level 9-12 Credit 1

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.

Art Department

Digital Photo I #7100

One semester course Prerequisite: None Grade Level 10-12 Credit 1/2

In this course students will learn the basics of digital camera operation techniques. Students will gain a basic understanding of digital photo editing software. Students who enroll in this course must be at least sophomore status. A fee is required for materials and equipment used throughout the course.

Digital Photo II #7110

One semester course Prerequisite: Minimum "C" Grade Photo I Grade Level 10-12 Credit 1/2

In this course students will learn advanced digital camera operation and digital software techniques. Designing a digital portfolio will be done through the duration of the course. Students who enroll in this course must be at least sophomore status. A fee is required for materials and equipment used throughout the course.

Photo III #7270

Full year course Prerequisites: Digital Photo I & Digital Photo II Grade Level 11-12 Credit 1

In this year-long course, students will learn advanced digital techniques along with film and darkroom practices. The first semester consists mainly of DSLR camera operations and advanced Adobe Photoshop editing. The second semester is an introduction to the 35mm camera and darkroom. Students' portfolios will be created in this course. Students who enroll in this course must be at least junior status. A fee is required for materials and equipment used throughout the course.

Photo IV #7275

Full year course Prerequisites: Digital Photo I & II, Photo III Grade Level 12 Credit 1

In this class, you will explore techniques that are more advanced than the basics and work with various film and camera formats. You will work on individual projects to further your understanding of photography as an expressive medium. The course consists of photographic projects, technical demonstrations, a study of the history of photography, and regular class critiques and discussions. A fee is required for materials and equipment used throughout the course.

Introduction to Two-Dimensional Art #7215

One semester course Prerequisite: None Grade Level 9-12 Credit 1/2

Introduction to two-Dimensional Art is designed to acquaint students with art elements and principles in the area of two-dimensional design. This course engages in sequential learning experiences that encompass art history, art criticism, aesthetics and production, and lead to the production of portfolio-quality works. Students search for meaning, significance and direction in their own work by producing works of art in a variety of two-dimensional media. At this level students produce works for their portfolios that demonstrate a sincere desire to explore a variety of ideas and problems. A fee is required for materials and equipment used throughout the course.

Introduction to Three-Dimensional Art #7217

One semester course Prerequisite: None Grade Level 9-12 Credit 1/2

Introduction to three-Dimensional Art is designed to acquaint students with art elements and principles in the area of three-dimensional design. This course engages in sequential learning experiences that encompass art history, art criticism, aesthetics and production, and lead to the production of portfolio-quality works. Students search for meaning, significance and direction in their own work by producing works of art in a variety of three-dimensional media. At this level students produce works for their portfolios that demonstrate a sincere desire to explore a variety of ideas and problems. A fee is required for materials and equipment used throughout the course.

Drawing/Painting I #7280

One semester course Prerequisite: 2-D Art Grade Level 10-12 Credit 1/2

In this course students will go beyond the basic level of drawing and painting and learn the art of mixing colors, utilizing several options for paint, and the materials in which paints are applied to a surface. A variety of drawing medium will also be explored and manipulated. A fee is required for materials and equipment used throughout the course.

Drawing/Painting II #7285

One semester course Prerequisite: Drawing/Painting I Grade Level 10-12 Credit 1/2

In this course students will continue to explore painting techniques and drawing through surface manipulations. Students also will develop fundamentals of design as well as make choices towards a career in art. Portfolio pieces will be chosen. A fee is required for materials and equipment used throughout the course.

Sculpture I #7290

One semester course Prerequisite: 3-D Art Grade Level 10-12 Credit 1/2

In this course students will gain knowledge of art history, art criticism, art aesthetics, and the art production. Students will be working in clay. An exploration of a variety of other materials and combinations of materials will help students to create unique pieces. A fee is required for materials and equipment used throughout the course.

Sculpture II #7295

One semester course Prerequisite: Sculptures I Grade Level 10-12 Credit 1/2

In this course students will have the opportunity to explore ceramic techniques and other surface manipulations. The student will also work nontraditional materials to create three-dimensional pieces. A fee is required for materials and equipment used throughout the course.

Art III #7315

Full year course Prerequisite: "C" or higher in level 2 Art Grade Level 11-12 Credit 1

In this course, a good knowledge of design elements from previous 2D, 3D, Drawing & Painting I & II, or Sculpture I & II classes is essential. Students will focus on an in-depth exploration of design possibilities in three-dimensional work using various media. A variety of clay, glass and metal techniques will be introduced, with the production of ornamental and functional artwork. Emphasis will be placed upon developing design skills in these materials. A fee is required for materials and equipment used throughout the course.

Art Studio #7230

Full year course Prerequisite: "C:" or higher in level 2 Art Grade Level 12 Credit 1

This course is designed for the advanced art student with emphasis on individual performance. Students will develop a portfolio of work to prepare for higher level education in art. Personal assessment in analyzing visual artwork will be necessary for directing student artistic growth and personal style. A fee is required for materials and equipment used throughout the course.

Advertising Design #7240

One semester course Prerequisite: "C:" or higher in Digital Photo I Grade Level 11-12 Credit 1/2

This course is designed for the art student who would like to gain more knowledge in a balanced visual arts program. Students will refine their ability to apply principles, theories, and techniques of illustration to the field of advertising design. A fee is required for materials and equipment used throughout the course.

Business/Computer Technology Department

Accounting I #6240

Full year course Prerequisite: "C" or higher in Math course Grade Level 10-12 Credit: 1

Accounting is the language of business. This course is a must for any students interested in majoring in business in college or working in the business world. In the accounting course, students learn to plan, record, analyze and interpret financial information for a service and merchandising business. Students systematically analyze business transactions using accounting cycle as applied to sole proprietorships and corporations. Computerized accounting (Excel) will be introduced and used throughout the course.

Accounting II #6330

Full year course Prerequisite: Accounting I Grade Level 11-12 Credit 1

This course is designed for the student planning on majoring in business in college or working in the business world. The principles of accounting will be thoroughly reviewed. Students will use the Automated Accounting software and will learn how computers are used for accounting applications. Integration of accounting principles will cover general ledger, accounts payable, accounts receivable, bank reconciliations, plant assets, inventory and payroll.

Business and Management Foundations #6410

One semester course Prerequisite: None Grade Level 10-12 Credit 1/2

This course is a valuable experience for the college-bound student planning to major in business as well as those that plan to enter the work world after graduation. Students will investigate a variety of business fields while developing communication, critical thinking and problem solving skills applied to business. Students will participate in multi-media instruction while exploring business structures, entrepreneurship, personnel, budgeting, marketing, management leadership, technological business applications, ethics and government regulations.

Business Law I #6300

One semester course Prerequisite: None Grade Level 11-12 Credit 1/2

This course is excellent for the college-bound business major and anyone who desires any career involving the law. The course is designed to incorporate problem-solving, critical-thinking, projects, teamwork and written communication using various business technologies. These strategies will all be applied to the study of the sources of our law, ethics, the court system, criminal and civil law, employment agency and discrimination, domestic relations and insurance. Students may schedule either semester or both semesters of Business Law. The two classes are independent of each other. Business Law I is offered first semester and Business Law II is offered second semester.

Business Law II #6310

One semester course Prerequisite: None Grade Level 11-12 Credit 1/2

This course is excellent for the college-bound business major and anyone who desires to own a business. The course is designed to incorporate problem-solving, critical-thinking, panel discussion and written communication using various business technologies. These strategies will all be applied to the study of the creation of oral and written business contracts, sales and employment contracts, discharge and breach of contract, wills, trusts and estate planning.

Students may schedule either semester or both semesters of Business Law. The two classes are independent of each other. Business Law I is offered first semester and Business II is offered second semester.

Little Giant Pathway #6510

One semester course Prerequisite: None Grade Level 9-12 Credit 1/2

Students will explore college and career opportunities based on personal assessments, career interest interviews with community members and occupational outlook information. They will develop a plan preparing them to meet their college and career goals after high school. Skills needed to be successful on the job and in school will be covered. Students will explore and utilize the Ohio Means Jobs website, conduct interviews, fill out a job application and learn job expectations from employers.

Multimedia Applications #0850

One semester course Prerequisite: None Grade Level 9-12 Credit 1/2

Students will use numerous aspects of technology through the medium of web page design and development. After studying the structure of the Internet, basic networking and use of communication software, the students will utilize Microsoft Front Page to create web sites for a variety of purpose. Commerce businesses will be thoroughly studied including how this type of business has affected the Internet and the economy as a whole. The students will develop an e Commerce business and create an e Commerce website. The school district's Acceptable Use Policy will be reviewed and technology related legal, ethical and regulatory issues will be studied.

Multimedia Digital Communication #0840

Full year course Prerequisite: Teacher recommendation Grade Level 11-12 Credit 1

Students will use a variety of technology through the medium of video and video editing to produce a four-minute daily news program (FRTV) and quarterly twenty-minute program (Fremont Focus). After learning the proper use of video cameras (Canon and Flips) and editing software (Sony Vegas), students are responsible for all phases of planning, shooting, editing, and producing FRTV, and various special projects.

Electives

ACT English Prep #1226

One semester course

Prerequisite: None

Grade Level 10-12

Credit 1/2

This course is a must for all college bound students. In this class students will review and practice skills that will enhance their preparation for the ACT. Throughout the semester students will be exposed to multiple reading techniques and vocabulary improvement skills that will prepare them for all parts of the ACT English test portion.

Leadership #1000

Full year course

Prerequisite: Principal Recommendation

Grade Level 11-12

Credit 1

This course will provide engaging learning experiences that will enable students to measurably acquire leadership attributes that will help them serve their school and community. The main content areas include: understanding, leadership, assessing individual leadership style and skills, planning and organizing, communication skills and techniques, positive relationship building, problem solving and decision making, personal wellness and image and community and school service.

Learning Strategies #1111

One semester course

Prerequisite: None

Grade Level 9-12

Credit 1/2

In this semester course students will use learning strategies to help them understand information and solve problems. A learning strategy is a person's approach to learning and using information. The curriculum is divided into strands, or categories of skills. One strand addresses how students acquire information. It includes strategies for learning how to paraphrase critical information, picture information to promote understanding and remembering, ask questions and make predictions about test information, and identify unknown words in text. A second strand helps students study information once they acquire it. It includes strategies to help students write sentences and paragraphs, monitor their work for errors, and confidently approach and take tests. This course may be taken more than once.

Publications #1510

Full year course

Prerequisite: Teacher recommendation

Grade Level 10-12

Credit 1

In this course, students will work and contribute to the school yearbook.

English Department

English 9

Full Year course

Prerequisite: None

Grade Level: 9

Credit: 1

This course is aligned to Ohio's Learning Standards and will stress the development of language arts skills in reading, writing, speaking and listening, while preparing students for Ohio's State Test (OST). The writing process will be stressed and appropriate grammar instructions given while writing essays and completing the research process. Students will take part in a variety of speaking and listening activities. Literature reading lessons will involve short stories, novels, drama, and poetry.

Writing Prep for AP #1300

One semester course

Prerequisite: 2 or higher on English I/II OST

Grade 10-12

Credit 1/2

Writing Prep for AP is a one semester course taken prior to enrolling in any AP class that has a writing/composition component on that subject's national test. Student must pass an exit exam and submit a completed writing portfolio. The goal of this course is to be able to write at a college-freshman composition level. This course will not satisfy graduation requirements.

English 10

Full Year course Prerequisite: English 9 Grade Level: 10 Credit: 1

This course is aligned to Ohio's Learning Standards and will provide the student with a solid background in all forms of literature, while preparing students for Ohio's State Test (OST). The writing process will be stressed and appropriate grammar instructions given while writing essays and completing the research process. Students will take part in a variety of speaking and listening activities. Literature reading lessons will involve short stories, novels, drama, and poetry.

English 11

Full Year course Prerequisite: English 10 Grade 11 Credit 1

English 11 is a course with more challenging academic rigor and depth, emphasizing the necessary skills for critical reading and writing. These skills include writing research, synthesis, and informative essays; refining grammar usage and rhetorical skills; and increasing post-secondary vocabulary. In addition, career formalization, including college entrance exam preparation, and workplace readiness skills, becomes a primary focus. As the need for challenging college and career readiness skills becomes more vital, the incorporation of technology will be emphasized.

English 12

Full Year course Prerequisite: English 11 Grade 12 Credit 1

English 12 is a course emphasizing skills in critical reading and writing such as research, synthesis, and informative essays, while mastering grammar usage and rhetoric skills, and using vocabulary purposefully and precisely. This course represents more challenging academic rigor and depth. In addition, career formalization, including college entrance exam preparation and workplace readiness skills, becomes a primary focus. As the need for challenging research skills becomes more vital, the incorporation of technology will be emphasized.

Advanced Placement Literature and Composition #1275

Full year course Prerequisite for Grades 11-12: English 9 Grade Level 10-12 Credit 1
Prerequisites for Grade 10: English 9 and Writing Prep for AP or concurrently enrolled in Writing Prep for AP

In this course, students will read in-depth classical literary works of varying lengths. Students will analyze these works and learn to respond in writing about the literary significance of these works. Students will be introduced to college level work and learn the necessary skills for succeeding in college. Students must take the AP exam in the spring and may earn college credit, depending on their score.

Advanced Placement Language and Composition #1280

Full year course Prerequisite for Grades 11-12: English 9 Grade Level 10-12 Credit 1
Prerequisites for Grades 10: English 9 and Writing Prep for AP or concurrently enrolled in Writing Prep for AP

In this course, students will read in-depth works from a variety of fields, such as politics, science, history and classical literature. Students will not only study how writers use rhetoric to shape their writing, but students will continue the development of their own writing skills. Students will be introduced to college level work and learn the necessary skills for succeeding in college. Students must take the AP exam in the spring and may earn college credit, depending on their score.

Journalism #1250

Full year course Prerequisite: Teacher recommendation Grade Level 11-12 Credit 1

This course is designed for the student who wishes to gain knowledge in news gathering and reporting. The program will provide the opportunity to study, practice and develop skills in the area of brainstorming, interviewing, listening, recording and evaluating sources. Students will also learn to use software programs *In Design and Photoshop* to create a newspaper. An emphasis is placed on journalistic writing and revision of written work. The student is expected to participate in daily classroom discussions. The journalism class is responsible for the publication of the *Ross Chatter*, the monthly newspaper at Ross High School. A publications lab is provided during the school day to allow the journalism student the opportunity to further develop these skills with the guidance from the course instructor.

Theater Arts #1471

One semester course

Prerequisite: English 10

Grade Level 10-12

Credit ½

Acting techniques and drama as literature will be studied with an emphasis on the various aspects of play performance and production. Students will gain a basic approach to the art of acting and will delve into the works of theatre artists such as Sophocles, Shakespeare, Kesselring, Wilder, and Wilde, just to name a few. Students will be expected to attend after-school practices.

Engineering Technology Department

Introduction to Engineering Design #8800

Full year course

Prerequisite: None

Grade Level 9-12

Credit 1

This course will offer students the opportunity to explore the various areas of engineering and design in this technology oriented course. Students will explore these engineering concepts while using math, science and computer skills to design and create hands-on problem solving projects. These projects will be designed using the 3-D modeling/CAD application Autodesk Inventor. Autodesk Inventor is the industry standard for 3-D modeling/CAD applications used by engineers around the world.

Material Processes in Woods I #8500

One semester course

Prerequisite: None

Grade Level 9-12

Credit 1/2

This is an introductory woodworking course, which provides for the development of basic skills in the use of hand tools, working machines, materials and processes of construction of small wooden projects. Problem solving techniques are applied during project construction.

Processes in Woods II #8510

Full year course

Prerequisite: Material Processes in Woods I

Grade Level 10-12

Credit 1

This is the advanced course in woodworking. This course provides for the further development of wood working skills in material selection and use, product planning, product designing and product development. Skill development is expanded in the use of hand and power machinery and machinery production set-ups. An understanding of the important concepts, principles, problems and strategies of wood related industrial technologies are learned and explored.

Materials Processes in Woods Independent Study #8710

Full year course

Prerequisite: Successful completion of Woods II

Grade Level 11-12

Credit 1

This course is limited to juniors and seniors who have successfully completed Materials and Processes in Woods II with at least a "B" average. An application is required to be filled out and submitted to the department chairperson for consideration of admission. This is a self-paced, advanced class in woodworking in which students will continue to develop their hand tool and machine production skills. Additional projects may be built if time permits. Students will design and construct a 7-10 board feet project and complete it with a high quality of craftsmanship. Independent study students will be scheduled during regular class time so availability may be limited pending class enrollments.

Mathematics Department

Math Lab

Full year course

Only as assigned by principal

Grade Level 9-11

Credit 1/2

This course is only for Geometry students who are identified by their teacher as at-risk. It will be in addition to Geometry. Each student will be given a diagnostic to identify his/her specific deficiencies. Students will be placed into those areas in which they have gaps in their mathematical background. As each area of deficiency is mastered, the student will move on to his/her next problem topic.

Algebra I #4200

Full year course

Prerequisite: None

Grade Level 9

Credit 1

Students will work extensively with linear equations including solving, graphing, analyzing and solving practical problems. The language and notation for functions will be used. Students will also explore systems of equations and quadratic equations. Other topics will include polynomial operations, factoring, exponents and radicals. A scientific calculator is required for this course, a TI-30XIIS is recommended.

Algebra I Fundamentals #4175

Full year course

Prerequisites: None

Grade Level 9-10

Credit 1

Algebra I Fundamentals is designed to meet the needs of students who are not yet ready for a traditional Algebra I course, but are prepared to begin their mathematical high school courses. Students will be exposed to all Algebra I standards over the course of two academic years (grades 9 and 10). The course will offer a more appropriate pacing and instruction will be aligned to the students' academic needs. Students will be expected to complete the Ohio State Test/End of Course Test at the end of the second year of study. A scientific calculator is required for this course, a TI-30XIIS is recommended.

Geometry #4240

Full year course

Prerequisite: Algebra I

Grade Level 9-11

Credit 1

Geometry is a study of geometric shapes, such as lines, triangles, quadrilaterals, and circles, and the relationships connecting them. Parallelism, congruence, inequalities, area and volume are major topics. Logic and problem solving are included with inductive and deductive reasoning. This course requires considerable daily preparation, thus completion of assignments as well as tests and quizzes will be a basis for evaluation of the student.

Money Math #4250

One semester course

Prerequisite: Geometry

Grade Level 11-12

Credit 1/2

This course is a study of the money issues faced in life after high school. We will expand on the study of financial responsibilities of adulthood began in the student's government course. We will look at different paycheck options, credit cards, retirement accounts and the stock market with an emphasis on planning. We will also look at car ownership, insurance independent living, and income taxes.

Puzzler Math #4260

One semester course

Prerequisite: Geometry

Grade Level 11-12

Credit 1/2

This course will look at the problem solving of mathematics through puzzles and other applications. We will look at how a mail carrier plans his route, how data is put into bar codes and what is the fairest way to divide a Christmas tree cake. We will look at strategies to solve logic based puzzles.

Algebra II Fundamentals #4270

Full year course

Prerequisites: Geometry

Grade Level 11-12

Credit 1

Algebra II Fundamentals is designed to meet the needs of students who are not yet ready for a traditional Algebra II course, but desire to continue their mathematical learning. Students will be exposed to Algebra II standards; however, the course will offer a more appropriate pacing and instruction aligned to the students' academic needs. A scientific calculator is required for this course, a TI-30 is recommended.

Algebra II #4300

Full year course Prerequisites: Geometry Grade Level 10-12 Credit 1

Algebra II is designed to meet the needs of those who plan to go to a four-year college. Set of numbers, factoring of polynomials, quadratic systems, linear equations, conic sections and areas are studied. The student should gain a better understanding of the concepts of reasoning and the structure of Algebra II as well as coordinate systems, relations, functions and complex numbers. A graphing calculator is required for this course, a TI-83 is recommended.

Statistics #4375

One semester course Prerequisite: Algebra II Grade Level 11-12 Credit 1/2

This course will give those students thinking of going into the social sciences, non-STEM education, business, and other fields a solid background in the statistics they will encounter at the college or university level. It will carry the statistics and probability already studied to a higher level of understanding and skill. Many practical applications as well as theory will be studied.

Trigonometry #4376

One semester course Prerequisite: Algebra II Grade Level 11-12 Credit 1/2

This course is the study of triangle trigonometry. Students will extend their understanding of right triangle through applications. These concepts will be expanded to cover non-right triangles. The Law of Sines and Law of Cosines will be explored with emphasis on applications.

Pre-Calculus #4400

Full year course Prerequisite: Algebra II (C or better) Grade Level 11-12 Credit 1

This course is a study of functions through a graphing approach. Algebra topics are continued and extended to more complicated functions, including polynomial functions, rational functions, exponential and logarithmic functions and trigonometric functions. The student is expected to be proficient in Algebra I, Algebra II and geometry. The course should enable the student to better understand circular functions, graphing and practical applications as well as acquire the ability to apply mathematical techniques. It should prepare the student for a beginning course in calculus. A graphing calculator is required for this course, a TI-83 is recommended.

Advanced Placement Calculus #4500

Full year course Prerequisites: Pre-Calculus Grade Level 12 Credit 1

This course is a thorough study of functions, limits, derivatives, integration, transcendental functions and differential equations as well as various applications. The student is expected to spend considerable time in preparation, be thorough in preparation and in work. The course will be taught and conducted on a college level. Students must take the AP Exam and may earn college credit depending on the score. A graphing calculator is required for this course.

Music Department

Concert Choir #7502

Full year course Prerequisite: Auditions and/or Grade Level 9-12 Credit 1
Permission of Director

The purpose of this course is to develop the ability of the student to perform well in a vocal music ensemble. Performing at concerts, festivals, contests and assemblies will result from regular class rehearsals. Opportunities are available for solo and/or small ensemble performance. A wide variety of music is performed, including folk songs, spirituals, seasonal songs, art songs, quality popular songs and choral compositions of various styles and periods. Each student is evaluated on performance, class participation and written assignment. Attendance at all concerts and public performances is required. Some after school rehearsals will be required.

Show Choir #7505

Full year course Prerequisite: (see below) Grade Level 9-12 Credit 1

Prerequisites: Enrollment in Concert Choir; singing audition, dance audition and permission of the director.

This course is a performing vocal ensemble which will sing quality music literature of different periods and genres, including pop, rock and jazz. Some songs will include choreographic movements. Attendance is required for all rehearsals and performances by this group. After school rehearsals and additional performances will be set with sufficient notice being given to all members.

Men's Choir #7501

Full year course Prerequisite: Auditions Grade Level 9-12 Credit 1

The purpose of this course is to develop the ability of the student to perform well in a vocal music ensemble. Performing at concerts, festivals, contests and assemblies will result from regular class rehearsals. Opportunities are available for solo and/or small ensemble performance. A wide variety of music is performed, including folk songs, spirituals, seasonal songs, art songs, quality popular songs and choral compositions of various styles and periods. Each student is evaluated on performance, class participation and written assignment. Attendance at all concerts and public performances is required. Some after school rehearsals will be required.

Women's Choir #7599

Full year course Prerequisite: Auditions Grade Level 9-12 Credit 1

The purpose of this course is to develop the ability of the student to perform well in a vocal music ensemble. Performing at concerts, festivals, contests and assemblies will result from regular class rehearsals. Opportunities are available for solo and/or small ensemble performance. A wide variety of music is performed, including folk songs, spirituals, seasonal songs, art songs, quality popular songs and choral compositions of various styles and periods. Each student is evaluated on performance, class participation and written assignment. Attendance at all concerts and public performances is required. Some after school rehearsals will be required.

Select Vocal Ensemble #7650

Full year course Prerequisite (see below) Grade Level 10-12 Credit 1

Prerequisites: Minimum of one year in high school choir; enrollment in concert choir; audition and/or permission of director. This course is an advanced vocal ensemble which will perform various styles of music including classical and jazz. Opportunities for solo and small ensemble singing will also be available. The course is designed for the singer who can independently maintain a soprano, alto, tenor or bass part in a small vocal ensemble; who can read music comfortably and confidently; who can blend his/her voice with others in a small ensemble; who desires to do these things with more challenging vocal arrangements.

Band #7510

Full year course Prerequisite: (see below) Grade Level 9-12 Credit 1

Wind and brass students may be required to play major scales C, F, B flat, E flat, A flat, D flat, G and chromatic scale. They may be asked to perform a simple exercise selected by the instructor. Percussion students may be required to successfully complete two warm-up sheets and/or selected cadences. The purpose of this course is to develop the capability of students to perform well in a musical group on a specific instrument. Performance at concerts, games, parades, educational conventions and clinics and contests will result from regular class rehearsals.

Auxiliary Corps #7515

1st quarter course Prerequisite: Audition Grade Level 9-12 Credit 1/4

This course is designed for students who wish to participate with the Ross Marching Band during football and parade season. Students will develop musical dance and drill skills in addition to all facets of marching, pertaining to a wide variety of music. A student is evaluated on class participation, performance, and attendance.

Ross Jazz Band #7518

Full year course Prerequisite: (see below) Grade Level 9-12 Credit 1

Prerequisites: Enrollment in Band and/or Orchestra class – preference given to students registered in Band; performance requirements the same as Band/Orchestra; an interest in performing and studying music from the jazz idiom; and interest in developing improvisational skills; successful audition and/or permission of the instructor; needs of the ensemble.

Orchestra #7520

Full year course Prerequisite: (see below) Grade Level 9-12 Credit 1

All orchestra members may be required to play major scales C, F, Bb, Eb, A, G, D, and the chromatic scale. They must be able to sight-read a simple exercise selected by the instructor. The purpose of this course is to develop the musical ability of string students and to have them play at an appropriate difficulty level in a musical group on a specific instrument. Performance at concerts, educational conventions clinics, and contests will result from regular class rehearsals.

Advanced Placement Music Theory I #7670

Full year course Prerequisite: Music background, vocal or
Instrumental background Grade Level 10-12 Credit 1

This course should be considered a necessity for future college music majors. It gives the student a basic knowledge of the fundamentals of writing music. The emphasis is on traditional eighteenth century harmony. The study of melodies, rhythm, harmony-chord construction through harmonization exercises, and writing original melodies is the basic content of the course. Special training in melodic, harmonic, and rhythmic dictation (ear training) and in sight-singing is also included. Students must take the AP Exam and may earn college credit depending on the score.

Science Department

Physical Science #3000

Full year course Prerequisite: None Grade Level 9 Credit 1

Physical Science is a full year course that is designed to produce students who are scientifically literate, critical thinkers and problem solvers. It offers students experiences that will increase their scientific knowledge and develop processing skills. Physical Science is about the relationship between the world we live in and how matter and energy interact. Topics will include experimental design, properties of matter, physical and chemical changes, mixtures and elements, compounds, atoms, chemical bonding and reactions, nuclear energy, force, motion, energy, thermal energy, and characteristics of waves, sound, and light. Students will use laboratory equipment on a regular basis. A lab fee and scientific calculator are required.

Intro to Biology #3150

Full year course Prerequisite: Physical Science I Grade Level 10-12 Credit 1

Intro to Biology is a year-long course designed to familiarize students with the structures and functions of organisms and the interactions between living things and the environment. Topics include cell structure and theory, energy use by organisms, DNA and heredity, classification of organisms, and history and continuity of life.

Biology #3200

Full year course Prerequisite: Physical Science
Concurrent enrollment in Geometry Grade Level 9-12 Credit 1

Biology includes the nature of science, chemistry of living things, organization and diversity of organisms, genetics, history and continuity of life and the environment. Students will use microscopes; perform investigative labs, use science process skills and the scientific method. This is a lab course. A lab fee is required.

Social Studies Department

American Government #2400

Full year course Prerequisite: None Grade Level 9-12 Credit 1

This course includes a number of concepts relevant to the study of American Government. These topics include: the foundations and important documents of American Government including the Declaration of Independence, The Federalist, and the U.S. Constitution. Additional topics include the Amendments to the Constitution, political parties, political participation and behaviors, state and local governments, the federal tax system and the Federal Reserve system. This course will attempt to give the student the necessary background to become an active and involved participant in our nation's political system. This course also includes the topic of economics. Students will also study the various aspects of personal finance such as reading financial statements, issues of credit and debt and costs of insurance.

U.S. History 1877 - Present I #2200

One semester course Prerequisite: None Grade Level 10 Credit 1/2

Global Studies I covers United States History from the Progressive Era until the end of World War II. It is broken down into the following units: The Progressive Era, the Roaring Twenties, the Depression and the New Deal, the Rise of Dictators, the Rise of Communism, and World War II. It will also include the social-economic history during the same period. The students expect to gain a general overview of global events for the time period covered.

U.S. History 1877 - Present II #2210

One semester course Prerequisite: None Grade Level 10 Credit 1/2

Global Studies II covers the following units: The Cold War, the Civil Rights movements, the Vietnam Conflict, the Fall of Communism, and the Conflicts of the Middle East. Students should expect to gain a general understanding of the different periods covered.

Advanced Placement American History #2475

Full year course Prerequisites for Grades 11-12: Writing Prep for AP Grade Level 10-12 Credit 1
Prerequisites for Grades 10: Writing Prep for AP or concurrently
enrolled in Writing Prep for AP

Advanced Placement United States History is a course designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. This course will study the major themes of U.S. History from the early colonial period to the Post-Cold War World. In addition to the historical content, the student will analyze and interpret primary sources, have an awareness of multiple interpretations of historical issues from secondary sources and compare developments or trends from one period to another. Students must take the AP Exam and may earn college credit depending on the score.

World History I: Enlightenment to 1918 #2100

One semester course Prerequisite: None Grade Level 11-12 Credit 1/2

In this one-semester course, events in World History, during the time period of 1700-1918, will be studied. Students will trace cultural developments and analyze economic factors that affected global events. Students will also extend their knowledge of citizenship rights and responsibilities.

World History II: 1914 to Present #2110

One semester course Prerequisite: None Grade Level 11-12 Credit 1/2

In this one-semester course, events in World History, during the time period of 1914-present, will be studied. Students will trace cultural developments and analyze economic factors that affected American and global events, and examine the growth of the democratic process until today. Students will also extend their knowledge of citizenship rights and responsibilities.

Contemporary Issues and Trends #2430

One semester course Prerequisite: None Grade Level 10-12 Credit 1/2

This one-semester elective course will focus heavily on the events of today. The intent of the course is to provide you with the basic background and fundamental understanding into the causes and effects of local, national and international events. It will examine various political, economic and social events in the U.S. and different countries. Using daily news sources, such as newspapers, magazines and the internet, students will learn to differentiate between fact and opinion, make reasoned and informed decisions on public policy and become informed citizens and consumers.

Psychology #2450

One semester course Prerequisite: None Grade Level 11-12 Credit 1/2

This course is designed to be an introduction to psychology for the average to above average reading level student. The topics included will be: a brief history of psychology, psychological methods and research experiments, patterns of human development, heredity and environment, biological influences on behavior, understanding and measuring one's personality, the principles of learning and thinking, measuring intellectual ability and the nature of intelligence, the investigation of psychological disorders and the various kinds of treatment of these disorders.

History of Society #2425

One semester course Prerequisite: None Grade Level 11-12 Credit 1/2

This course is an introduction to Sociology for the student possessing average to above average reading skills. Topics discussed will include society, the individual in society (how society affects personal development), social injustices (economic, racial, etc.), social institutions (family, peer groups, etc.) social change, social issues (homeless, child abuse) the grieving process and sociological studies and theories.

Advanced Placement European History (1450 to present) #2500

Full year course Prerequisite: U.S. History and
Writing Prep for AP Grade Level 11-12 Credit 1

This course will correspond to the most recent trends in history curriculums at the undergraduate college level. It will provide students with exposure to the factual narrative, help students understand the principle themes in modern European History and give students an ability to analyze historical evidence. Significant emphasis will be given to intellectual-cultural and social-economic history as well as to those in the more traditional political-diplomatic sphere. Students will also be expected to demonstrate knowledge of basic chronology of major events and trends from approximately 1450 to the 1990's. Students must take the AP Exam and may earn college credit depending on the score.

Special Education Department

Students enrolled at Fremont Ross High School who are diagnosed by the school district's Evaluation Team as having disabilities shall have access to all courses offered to non-disabled students. Additionally, these students shall have access to all extra-curricular activities offered by the school district. Our Intervention Specialists teach students using the general education curriculum plus offer additional support classes as recommended by their IEP.

Work Study

Full year course Prerequisite: IEP Grade Level 9-12 Credit: Depends on hours worked

The curriculum in Work Study is a continuation of learning work skills in a community business under the supervision of the Work Study Supervisor. Job performance is evaluated by the employer and Work Study Coordinator enabling students to build and improve job skills.

Wellness Education Department

Physical Education #0026

One semester course Prerequisite: None Grade Level 9-12 Credit 1/4

This course is to emphasize the value of being a more effective individual physically, mentally and socially. It provides the basic knowledge, rules and fundamentals, in a variety of individual and team sports and swimming. This course includes neuromuscular coordination which results in an improvement in strength, agility, balance, skill and gracefulness. This course is designed to be co-educational.

Swimming #0030

One semester course Prerequisite: None Grade Level 9-12 Credit 1/4

Beginning swimming is designed for students who are non-swimmers and/or students who have limited swimming ability. Individual stroke development, water safety, water games and activities will be the main focus. Intermediate swimming will continue stroke development and build student confidence in and around the water. Advanced swimming is designed for students who have intermediate or advanced swimming skills. Student will be involved in stroke refinement, water aerobics, water games and water safety.

Personal Fitness #0027

One semester course Prerequisite: None Grade Level: 9-12 Credit 1/4

This fitness class is designed for those students who are interested improving or maintaining their personal fitness. The health related fitness components of cardiovascular endurance, muscular strength and endurance, and flexibility will be addressed. Students will learn many fitness strategies and principles while engaging in a variety of fitness activities. Also, students will design their own fitness program and complete fitness assessments to evaluate improvement.

Health #0020

One semester course Prerequisite: None Grade Level 10-12 Credit 1/2

This course is designed to investigate many of the vital health issues of society. This course provides the student with purposeful information and experience to develop better attitudes and practices relating to individual, family and community health. Evaluations are based upon class participation, assignments, quizzes, tests and projects.

Healthy Cuisine #0040

One semester course Prerequisite: None Grade Level 9-12 Credit 1/2

This course will begin with basic cooking concepts, choosing healthy ingredients, stocking your work area, kitchen terminology, and preparing quality foods for a healthy meal. The class will include planting and maintaining of the school herb garden and cooking with local produce. Study will continue into the culinary arts to create healthy dishes that support a balanced diet and a healthy lifestyle.

Nutrition and Wellness for Athletes #8290

One semester course Prerequisite: Health Grade Level 10-12 Credit 1/2

This course provides students an edge over competition by addressing overall health for the physically active. Topics covered will be athlete nutrition, sports-specific diets and training schedules, the psychology of an athlete, basic musculoskeletal anatomy, injury prevention and rehabilitation, and current issues in athletics; such as substance abuse and steroids. This course is recommended for athletes or students having a strong interest in coaching, fitness, nutrition, sports medicine, sports psychology, or sports management.

Personal Development/Resource Management #8200

Full year course Prerequisite: None Grade Level 9-12 Credit 1

Personal Development is a year-long course designed to help students grown and succeed with real world application. Topics studied include: Understanding yourself, social and emotional health, healthy relationships, nutrition and healthful eating, physical health and fitness, community living, financial skills and environmental health. This course has a \$25 fee.

First Aid and CPR #0031

One semester course Prerequisite: Health Grade Level 11- 12 Credit 1/2

First Aid is designed to give the student a basic understanding of treatment of emergency conditions. Recognition of injuries and their specific treatment is a vital aspect also. CPR is a self-taught, self-paced course. Upon successful completion, the student will receive a Red Cross first aid card valid for three years.

Strength and Conditioning #0028

One semester course Prerequisite: None Grade Level 9-12 Credit 1/4

Individuals will train against their own abilities while enhancing their own physical health through increase muscular strength, muscular endurance, speed, agility, flexibility, and overall endurance. Students will be able to evaluate their own training goals, organize an individual training program, record progress, and participate in fitness related assessments.

PE Waiver

The Fremont City Schools Board of Education has adopted a policy that allows students to waive their physical education requirements. Students must complete two full seasons in athletics, marching band or cheerleading to meet this requirement. However, students will be required to complete one-half unit in another course.

World Languages Department

French I #5100

Full year course Prerequisite: Grade Level 9-12 Credit 1

This course offers an introduction to the French language, culture and geography of French-speaking areas. French I students will acquire the listening, speaking, reading and writing skills necessary to express themselves in the target language on a basic level. Vocabulary and grammar relevant to the students' interests and ages will be presented in a contextual manner, encouraging active use of French in both the general and personal situations.

French II #5200

Full year course Prerequisite: French I Grade Level 10-12 Credit 1

A continuation of French I, this course offers further insight into the French language and culture of French-speaking areas. French II students will strengthen their listening, speaking, reading and writing skills through more advanced oral and written activities comparable to those used in French I. Students will utilize new vocabulary and grammar concepts when expressing themselves in a variety of tenses in both general and personal situations.

French III #5300

Full year course Prerequisite: French II Grade Level 11-12 Credit 1

French III is designed to encourage the student to expand his/her knowledge of the target language through speaking, reading and writing French. This will be accomplished through conversational dialogue revolving around and covering many everyday situations. Grammar will include exercises on verbs, idioms and diverse points emphasized in the language. Culture studies include the daily life of the French, the provinces, the cities ... especially Paris.

French IV #5400

Full year course Prerequisites: French III Grade Level 12 Credit 1

A further mastery of history, literature, grammar, conversations and writings are covered. A more advanced literary work is read along with shorter reading selections. Knowledge of culture is gained by doing research and reports. Activities are similar to the third year with more involvement and more in-depth concentration of the French culture. Purchase of a workbook may be required.

Spanish I #5120

Full year course

Prerequisite:

Grade Level 9-12

Credit 1

Students will learn to read, speak and write in Spanish on topics of basic personal information (name, age, and birthday), friends, school, shopping, clothing, foods and restaurants, family and homes, sports, feelings, weather and seasons, hobbies, and simple daily routine. They will build up a vocabulary that will enable them to understand spoken Spanish. They will be able to read materials that use present, immediate future and simple past tense. They will experience Spanish cultural activities and become aware of Spanish literature. Songs, games, charades, and multimedia programs are core to Spanish I.

Spanish II #5220

Full year course

Prerequisite: Spanish I

Grade Level 10-12

Credit 1

Students will expand their skills of reading, speaking and writing in Spanish on topics of hobbies, school classes and extracurricular activities, clothing and prices, daily routines and getting ready for special events, shopping, giving and getting directions in a city, their childhood and camping. They will greatly expand their vocabulary and listening comprehension. They will be able to read materials that use present, future, and past tenses (preterit and imperfect). They will likewise experience Spanish cultural activities and Spanish literature. Songs, games, and multimedia programs are core to Spanish II.

Spanish III #5320

Full year course

Prerequisite: Spanish II

Grade Level 11-12

Credit 1

Building on the basic vocabulary, grammar, and skills of Spanish I and II, students will continue learning about the following topics: emergencies, crises, rescues and heroic acts, accidents and medical terminology (injuries and treatments), traveling to foreign countries, professions, movies and television, the environment, food and recipes. They will continue to expand their vocabulary and listening comprehension. Students will regularly read, speak and write in Spanish. Cultural activities are integrated into the program through films, songs and other fun projects!

Spanish IV #5420

Full year course

Prerequisites: Spanish III

Grade Level 12

Credit 1

This course is designed for students who plan to attend college. It will prepare them to either test out of the required courses or to have those requirements fulfilled depending upon the university. The history of Spain and Latin America and their great historical person are taught in Spanish and illustrated through corresponding literary selections. Various literary genres from master Spanish speaking authors are also studied. Informal discussion on topics relating to the selections will provide oral proficiency and fluency for speaking with a native speaker. Conversation, writing and listening comprehension activities are part of each lesson.

Advanced Placement Spanish #5700

Full year course

Prerequisites: Spanish IV

Grade Level: 12

Credit 1

In this class, students integrate the material from all prior Spanish language learning with materials and methods designed to prepare students to successfully complete the Advanced Placement Spanish Language and Culture Exam. Students achieve an advanced level of speaking fluency, listening comprehension and writing competence. Students read from authentic materials and regularly listen to native speakers to ensure that their skills include using up-to-date real-world vocabulary. Students learn to synthesize information, deliver persuasive presentations and write analytical essays. Students will regularly complete additional independent assignments designed to enhance their preparation for high achievement on the Spanish AP exam.

A+ Gives Students Instructional Options

A+ offers content with a depth and breadth to serve a full spectrum of students. Extensive correlations to state and national standards and standardized tests allow a fully customized curriculum and provides targeted instruction to ensure accountability. With a comprehensive, flexible format, A+ meets a variety of students' needs.

Program Description

A+ is a computer-based curriculum with interactive core courses correlated to the state's curriculum. This courseware consists of module pre-tests and post-tests that assign prescriptive lessons based on demonstrated student knowledge associated with the content. Through this innovative program, students may work at their own pace to master course objectives. In order to proceed through each course, students must achieve a minimum of 75% mastery within each module. In addition, A+ provides a detailed record-keeping, administrative component offering specific reports on student progress and mastery of objectives.

A+ targets the following high school student needs: credit recovery, course continuation due to transfers, tutorials, ELL enrichment, and remediation of basic skills. Fremont City Schools utilizes A+ Learning as part of the Credit Recovery Program. Students who are credit deficient towards necessary graduation requirements may apply for the Credit Recovery Program.

Credit Recovery through A+ will be offered at Ross High School in the main computer lab. Each teacher in the A+ lab has been trained to facilitate the program and provide a supportive environment. The primary role of the facilitating teacher is to motivate students to succeed, and provide content support when necessary.

Mathematics

- Integrated I
- Integrated II
- Integrated III
- Algebra I
- Algebra II
- Geometry
- Pre-Calculus (Advanced Algebra/Trigonometry)

Social Studies

- American Government
- World History
- World Geography
- United States History
- Economics

Science

- Physical Science
- Biology
- Chemistry
- Environmental Science

English – Language Arts

- Ninth Grade Literature and Composition
- Tenth Grade Literature and Composition
- American Literature and Composition
- English Literature and Composition

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Electives

- Anthropology
- Art Appreciation
- Career Essentials
- Health
- Humanities I
- Humanities II
- Lifetime Fitness
- Personal Finance
- Psychology
- Sociology
- Spanish

All courses can only be assigned following consultation with the school principal and/or counselor.

Vanguard-Sentinel Career & Technology Centers

Preparing for College & Careers

For over 40 years, Vanguard-Sentinel Career & Technology Centers has offered career and technical training to thousands of students in order for them to gain employment upon graduation from high school and/or to continue their education at the college level. They pride themselves in providing specialized training in 17 different program areas through a unique “hands-on” approach to education.

Entrance Requirements

In order to attend Vanguard-Sentinel Career & Technology Centers, it is recommended that students :

- Have junior status in high school, or be in their third year of high school
- Have a total of 7 high school credits, 5 of which must be earned through the core curriculum: English, math, science social studies, health, and/or physical education

In addition, students who choose one of the five complete College Ready programs or who attend college classes through the career programs must have a GPA of at least 2.5, and pass one or more portions of the Accuplacer Test, a college readiness test. Those who take advantage of the post-secondary option receive college credits. In addition, many programs offer articulated credit.

Withdraw Process

If a student enrolled in Vanguard-Sentinel Career & Technology Centers wishes to withdraw from their Vanguard courses, either before the start of the school year up through the first two weeks of the semester OR mid-year, an appointment must be made with a Ross High School counselor or administrator. A mid-year withdraw is defined as any withdraw after the first two weeks of the start of the school year or semester. A mid-year withdraw will mandate the student to continue their current schedule until the start of the new semester when the schedule can be updated. The Ross counselor or administrator will contact a Vanguard counselor to arrange the appropriate change of schedule. Regardless of the timing of the request to withdraw from Vanguard, the process begins with the Ross High School counselor or administrator.

Vanguard-Sentinel Career & Technology Centers Programs

Auto Technology
Collision Repair
Independent Living
Business Management
Building Construction Trade
Computer Information & Support Systems
Digital Media Technologies
Criminal Justice
Culinary Arts
Cosmetology
Design, Engineering, and Architecture
Early Childhood Education
Electrical Trades
Engineering Technologies and Robotics
Medical Careers Academy
Medical Information Technology
Welding and Fabrication

Fremont City Schools does not discriminate nor tolerate harassment in its employment opportunities, education programs or activities for any reason including on the basis of race, color, religion, national origin, sex, disability, military status, ancestry, sexual orientation, transgender identity, age or genetic information.