

# **Miami Trace High School**



## **Course Description Guide 2017-2018**



# Course Description Guide

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The purpose of the Course Description Guide is to provide students and parents with general information about the courses available at Miami Trace High School.

Please take the time to review these course descriptions before you make your choices. A properly selected course of study will help you meet your future goals and increase your personal satisfaction and happiness in your high school career.

Student schedules are subject to change based upon availability of space within classes. If you or your parents have any questions or concerns, please contact your guidance counselor to arrange a conference.

## Guidance Counselors

**Mr. Matt Barga**  
Letters A through K

**Mrs. Julie Reisinger**  
Letters L through Z

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# Graduation Requirements

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Graduation requirements are established by the State of Ohio and the Miami Trace Local School District Board of Education and are subject to change by action of either the BOE or the State Department of Education.

In order to graduate from Miami Trace High School, a senior must have completed a minimum of twenty-four (24) credits. The State Department of Education and the Miami Trace BOE require that each prospective graduate must successfully complete the following sixteen (16) credits:

English	.....4 credits
Health	.....1/2 credit
Science	.....3 credits
Physical Education	.....1/2credit (2 semesters)
Math	.....4 credits (including Alg. 2)
Social Studies	.....3 credits (including Am. Hist. and Government)
Business/Tech/Fine Arts/Foreign Language.....	1 credit
Fine Art	.....1 year equivalent grades 7-12

The other eight (8) credits can be earned from elective courses. In addition to the above listed requirements, each curriculum has certain requirements to be met. For example, 4 year colleges expect more science, fine art, and foreign language than the minimum listed below.

<u>Minimum requirements</u>	<u>4 Year College Expectations</u>
English        4	English        4
Math            4	Math            4
Soc. St.        3	Soc. St.        3 or 4
Science        3	Science        3 or 4
P.E.....1/2	Foreign Lang....2 or more
Health.....1/2	Fine Arts .....1 (Band, Choir, Art, Drama)
Bus./Tech.....1	Health.....1/2
Electives .....8	P.E.....1/2
	Electives.....5 or more

Earning 24 credits is the first of three requirements for graduation; the second requirement is to take the seven end of courses tests along with a college admissions test and the third requirement is one of the following three options

**Option 1: Accumulate 18 Points**

In this option, students must accumulate a minimum of 18 points on the seven state-mandated end-of-course (EOC) exams. The courses in which students take EOC exams will be English 9, English 10, Algebra 1, Geometry, Physical Science (Class of 2018) Biology (Class of 2019 & Beyond), American History, and American Government. Each required EOC test is scored on a 1-5 scale, according to the student’s performance level: Advanced (5 points), Accelerated (4 points), Proficient (3 points), Basic (2 points), and Limited (1 point).

Students must earn at least four points total on the English tests, four points total on the Math tests,

and at least 6 points total for the Science and Social Studies tests. However, a student must earn a total of at least 18 points on the seven tests. Students needing to retake a test must participate in specially designed help sessions before they can retake a test.

### **Option 2: College Readiness Test**

In the student's junior year, the State of Ohio will pay the cost for the student to take the national test once. Students may take the test before junior year or retake it at guardian's expense. This score can be used for college admission. Students must earn remediation free scores on the ACT: English-18 or higher. Mathematics- 22 or higher, and Reading- 22 or higher.

### **Option 3: Earn Industry Certification & a Work-Readiness Score on the WorkKeys Assessment**

For students who take this option (i.e. Laurel Oaks students), they can earn an approved, industry-recognized credential and a workforce readiness score on WorkKeys. Students will need to receive an official credential for a skill and then earn a job readiness score on the WorkKeys assessment. Please contact Laurel Oaks for more information if this is the option you wish to pursue.

## **Academic Honors Diploma**

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The following information is provided for students graduating after September 15, 2010 and seeking a Diploma with Honors (Class of 2011 and beyond).

### **To be eligible a student must meet the following provisions:**

1. Successfully complete the high school college preparatory curriculum.
2. Meet seven of the eight criteria established for the Academic Honors Diploma.

The eight criteria are:

- earn four units of college preparatory English
- earn four units of Math including Algebra 1, Algebra II, Geometry, and one additional unit taught at a higher level
- earn four units of Science including two units of Advanced Science
- earn four units of Social Studies
- earn either three units of one foreign language or two units each of two foreign languages
- earn one unit of Fine Arts
- maintain overall high school grade point average of at least 3.5 up to the last grading period of the senior year
- Obtain a composite score of 27 on the ACT test or a 1280 on the new SAT (Reading and Math).

Students who have interest in obtaining a Career Tech, STEM, Arts, International Baccalaureate or Social Science and Civic Engagement Honors Diploma should see their guidance counselor at the beginning of their freshman year to schedule the proper courses.

## Promotion Requirements

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The classification of a student for promotion purposes is determined by the total credits successfully completed each year as follows:

- 5 credits to be classified as a sophomore including
- 11 credits to be classified as a junior
- 16 credits to be classified as a senior
- 24 credits to be classified for Graduation

Credits are earned based on the courses passed and the credit value of these courses.

## Modified Grades for Advanced Classes

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In the following courses, all nine weeks and semester exam grades will automatically be increased by 2%. This does not apply to any student who is taking the class as a College Credit Plus student.

Advanced Biology	AP Physics	Chemistry 1	Chemistry 2
AP Calculus	STEM Geometry	Advanced Geometry	STEM Algebra 2
Advanced Algebra 2	Adv. Trigonometry	Pre-Calculus	AP Government
Adv. American History	Speech	Advanced English 1	Advanced English 2
AP English Lang. & Comp.	AP English Lit. & Comp.		

## Core Content Course Placement and Movement

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Based upon recommendations from members of the English, Math, Science, Social Studies and Guidance Department, these procedures will be followed in the best interests of students:

1. Before the end of the first grading period, the members of the English, Math, Science, Social Studies and Guidance Departments are to make recommendations to the Principal, or his/her designee, for necessary changes.
2. A student who fails an English, Math, Science, or Social Studies course may pursue a Credit Flex Option with approval of the principal.
3. No student may move from an English, Math, Science, or Social Studies class to a higher level class without recommendation from the teacher or a "waiver" sheet completed and signed by parent and guidance counselor. This waiver is to be placed in the counselor file.
4. Students who wish to move from an English, Math, Science, or Social Studies class to a lower level class may do so with the approval of the student's parent(s), guidance counselor, and class teacher any time during the first semester.

# General Rules

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## **Student Course Load**

All students are highly encouraged to carry a minimum of six subjects each semester, especially in eligibility situations.

## **Study Halls**

Students should have no more than two study halls per day.

## **Eligibility**

Nine weeks eligibility is determined by the passing of a minimum of five classes toward graduation in the preceding nine weeks (not counting P.E.) and a minimum cumulative grade point average of 1.5 after the first semester of the freshman year. (See Student-Parent Handbook for details).

## **Re-taking a Course**

Students will be permitted to re-take a course the following school year if they either failed that subject or are not satisfied with the grade they received previously. After completing the course the second time, the highest grade will be recorded on the permanent record. Duplicate credit will not be granted for repeated courses.

## **Waiver Options**

Students not recommended for honors courses may obtain a waiver from their counselor. Any "waiver" student who earns an "F" for the first nine weeks will be removed from that course and enrolled in the next lower level course.

## **Teacher Assistants**

Students choosing to assist teachers or to work in an office at Miami Trace may do so ***if approved by the assistant principal***. Students may not have more than two study hall periods and assistant jobs combined.

## **Dropping a Class**

A freshman will have up to the last day of the 1st nine weeks of a course to drop without taking a failing grade. Upper classmen will have up to the end of the 2nd week to decide.

# Laurel Oaks C.D.C.

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Students must attend Miami Trace High School for their first two years before attending Laurel Oaks.

Animal Science & Management  
Automotive Technology-Collision  
Automotive Technology-Mechanics  
Aviation Maintenance Technician  
Career X  
College Agriculture (1 year program)  
Computer Service Technician and Networking  
Construction Technologies  
Cosmetology  
Dental Assisting  
Digital Arts & Design  
Early Childhood Education  
Equine Science & Management  
Exercise Science & Sports Medicine  
Health Technologies  
Heavy Equipment Operations & Engineering  
Industrial Diesel Mechanics  
Masonry  
Welding

## College Credit Plus

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College Credit Plus is a program that gives students an opportunity to be enrolled in both high school and college coursework at the same time. College Credit Plus replaced Ohio's Post-Secondary Enrollment Options programs (PSEO) and all Dual Enrollment (DE) programs. In order to participate, students must be academically ready for college level coursework and willing to adhere to both the demands of college and high school simultaneously. College Credit Plus courses can be completed in a variety of settings including:

- Courses offered and taken at Miami Trace High School taught by Miami Trace High School teacher who are credentialed to teach CCP Courses;
- Courses offered and taken at Miami Trace High School taught by college/university instructors;
- Courses offered and taken on college or university campuses taught by college/university faculty;
- Online courses offered and taken through colleges or universities taught by college/university faculty.

To participate in College Credit Plus program, students must meet the admissions requirements of the participating college or university and must demonstrate college-readiness scores on either the SAT, ACT, or other placement tests selected by the college or university.

Parents and students interested in the College Credit Plus program should attend the CCP informational meeting held each year in March at Miami Trace High School. Students who wish to take CCP courses off the MTHS campus or online must indicate their intention to participate by completing the College Credit Plus intent to participate form and return to their school counselor before April 1.

# Courses

## English

### Year by year outline of English courses- 4 years required

	Advanced Track	Honors Track	College Prep Track
Grade 9	Adv. English I	Honors English I Connections ELA	CP English I Connections ELA
Grade 10	Adv. English II	Honors English II	CP English II
Grade 11	AP English Lang. & Comp <u>or</u> CCP 1101 & 1102	Honors English III	CP English III
Grade 12	AP English Lit. & Comp. <u>or</u> CCP 1101 & 1102 or 2230 & 2218	Honors English IV	CP English IV

#### College Prep English I

Two semesters – 1 credit

Grade 9

This course is designed to assist students in career and college readiness. It will focus on analyzing different genres of literature such as short stories, poetry, essays, biographies, novels, and drama and the literary elements of each; writing expository, creative, and argumentative compositions; expanding vocabulary; and gaining proficiency in grammar and usage.

#### Connections ELA

Grade 9

Two semesters – 1 credit

This hybrid course is designed to explicitly connect English and Social Studies curriculum for a deeper understanding of the material. Students will engage in 21st century instructional strategies including a strong infusion of technology. This course is blocked with Freshmen Connections Comprehensive Social Studies. Enrollment is limited.

#### Honors English I

Two semesters – 1 credit

Grade 9

This is a fast-paced course that is designed for the college-bound student. This course will focus on analyzing different genres of literature such as short stories, poetry, essays, biographies, novels, and drama and the literary elements of each; writing both expository and creative compositions; expanding vocabulary; and gaining proficiency in grammar and usage.

#### Advanced English I

Two semesters – 1 credit

Grade 9

This course is designed for the college-bound student who is advanced in writing and analysis of literature. The student will experience all aspects of the College Preparatory English I curriculum but will participate in more advanced and intensive study and analysis of writing and literature. Students interested in this course should have at least a “B” average in English, may be required to submit a writing sample, and must be recommended by their previous English teacher. An interview with the Advanced English teacher or other members of the English department may be required as well.

### **College Prep English II**

Two semesters – 1 credit

Grade 10

This course is a continuation of College Preparatory English I and is designed for the career and college bound student. The course will focus on analyzing different genres of literature such as short stories, poetry, essays, biographies, novels, and plays and the literary elements of each; writing various models of compositions with an emphasis on editing and revision; expanding vocabulary; and reviewing and extending proficiency in grammar and usage.

### **Honors English II**

Two semesters – 1 credit

Grade 10

This is a fast-paced course that is designed for the college-bound student and is a continuation of Honors English I. This course will focus on analyzing different genres of literature such as short stories, poetry, essays, biographies, novels, and plays and the literary elements of each; writing various models of compositions with an emphasis on editing and revision; expanding vocabulary; and reviewing and extending proficiency in grammar and usage.

### **Advanced English II**

Two semesters – 1 credit

Grade 10

This course is designed for the college-bound student who is advanced in writing and analysis of literature; this course is a continuation of Advanced English I. The student will experience all aspects of the College Preparatory English II curriculum but will participate in more advanced and intensive study and analysis of writing and literature. Students interested in this course should have at least a “B” average in Honors/Advanced English I, may be required to submit a writing sample, and must be recommended by their previous English teacher. An interview with the Advanced teacher or other members of the English department may be required as well.

### **College Prep English III**

Two semesters – 1 credit

Grade 11

This course is a continuation of College Preparatory English II, and it is designed for the career and college bound student. The course will be a survey of American Literature from the pre-colonial era to the present and will focus on reviewing and refining grammar and usage, varying sentence structure to meet different purposes, improving skills for writing expository, persuasive, and creative compositions, and expanding vocabulary. Many genres of literature will be explored such as novels, poetry, drama, nonfiction selections, short stories, and others. The writing emphasis will be on the study of format essay writing, research techniques, and analytical thinking and the literature emphasis will be placed on literature analysis and the impact of historical events on literature.

### **Honors English III**

Two semesters – 1 credit

Grade 11

This is a fast-paced course that is designed for the college-bound student and is a continuation of Honors English II. This course will be a survey of American literature from the pre-colonial era to the present and will focus on reviewing and refining grammar and usage, varying sentence structure to meet different purposes, improving skills for writing both expository and creative compositions, and expanding vocabulary. Many genres of literature will be explored such as novels, poetry, drama, nonfiction selections, short stories, and others. The writing emphasis will be on the study of formal essay writing, research techniques, and analytical thinking. The literature emphasis will be placed on literature analysis and the impact of historical events on literature.

### **AP Language and Composition**

Two semesters – 1 credit

Grade 11

This is a fast-paced course that is designed for the highly motivated college-bound student who is advanced in writing, analysis of literature, and higher level thinking. This composition course emphasizes the expository, analytical, and argumentative writing that forms the basis of academic and professional communication as well as the personal and reflective writing that fosters the development of writing facility in any context. In addition, this composition course teaches students that the expository, analytical, and argumentative writing they must do in college is based on reading as well as on personal experience and observation. All students taking the course will have the opportunity to take the AP examination for this course offered by the College Board. If the student scores sufficiently high, he or she will then be granted college credit and/or advanced placement recognized by more than 2,900 universities and colleges worldwide. Students interested in this course should have at least a “B” average in Advanced English II, may be required to submit a writing sample, and must be recommended by their previous English teacher. An interview with the AP teacher or other members of the English department may be required as well.

### **College Prep English IV**

Two semesters – 1 credit

Grade 12

This course is designed for the career and college bound student and is an extension of College Prep English III. The course will survey the great British authors from Anglo-Saxon periods to present and will focus on reviewing and refining grammar and usage, varying sentence structure to meet different purposes, improving skills for writing both expository and creative compositions, and expanding vocabulary. Many genres of literature will be explored such as novels, poetry, drama, nonfiction selections, short stories, and others. The writing emphasis will be on the study of formal essay writing, research techniques, and analytical thinking. The literature emphasis will be placed on literature analysis and the impact of historical events on literature.

### **Honors English IV**

Two semesters – 1 credit

Grade 12

This is a fast-paced course that is designed for the college-bound student and is an extension of Honors English III. This course will survey the great British authors from Anglo-Saxon periods to present and will focus on reviewing and refining grammar and usage, varying sentence structure to meet different purposes, improving skills for writing both expository and creative compositions, and expanding vocabulary. Many genres of literature will be explored such as novels, poetry, drama, nonfiction selections, short stories, and others. The writing emphasis will be on the study of formal essay writing, research techniques, and analytical thinking. The literature emphasis will be placed on literature analysis and the impact of historical events on literature.

### **AP English Literature and Composition**

Two semesters – 1 credit

Grade 12

This year long course is for highly motivated college bound students who are willing to study literature with a deeper focus on analysis and writing about literature. All students taking the course will have the opportunity to take the AP examination for this course offered by the College Board. If the student scores sufficiently high, he or she will then be granted college credit and/or advanced placement recognized by more than 2,900 universities and colleges worldwide. The course requires some summer reading activities and a willingness to reach beyond the regular Honors English curriculum. While the focus is on literature, there will be writing assignments embedded in each quarter. A research paper will still be included, as would be assigned in regular

classes. Students must have a good work ethic, advanced skills in literary analysis and writing, and a willingness to put forth appropriate effort. Students should have at least a “B” average in English.

### EOC English Language Arts

1 semester – 1/2 credit

Grade 11 or 12

This is a remediation course for students planning to retake the English Language Arts I or English Language Arts II End-of-Course Exam for graduation requirement purposes.

## Mathematics

### Year by year outline of mathematics courses- 4 years required

#### Class of 2018

	STEM Track	Advanced Track	Honors Track	College Prep Track
Grade 9	STEM Geometry	Adv. Geometry	Honors Algebra 1	CP Algebra 1
Grade 10	STEM Algebra 2	Adv. Algebra 2	Honors Geometry	CP Geometry
Grade 11	Pre-Calculus	Adv. Trig.	Honors Algebra 2A	CP Algebra 2A
Grade 12	AP Calculus	Adv. Stats	Honors Algebra 2B	CP Algebra 2B

#### Class of 2019

	STEM Track	Advanced Track	Honors Track	College Prep Track
Grade 9	STEM Geometry	Adv. Geometry	Honors Applied Algebra	CP Applied Algebra
Grade 10	STEM Algebra 2	Adv. Algebra 2	Honors Algebra 1	CP Algebra 1
Grade 11	Pre-Calculus	Adv. Trig.	Honors Geometry	CP Geometry
Grade 12	AP Calculus	Adv. Stats	Honors Algebra 2	CP Algebra 2

#### Class of 2020

	STEM Track	Advanced Track	Honors Track	College Prep Track
Grade 9	STEM Geometry	Adv. Geometry	Honors Algebra 1	CP Algebra 1
Grade 10	STEM Algebra 2	Adv. Algebra 2	Honors Geometry	CP Geometry
Grade 11	Pre-Calculus	Adv. Trig.	Honors Algebra 2A	CP Algebra 2A
Grade 12	AP Calculus	Adv. Stats	Honors Algebra 2B	Honors Algebra 2B

#### Class of 2021

	STEM Track	Advanced Track	Honors Track	College Prep Track
Grade 9	STEM Geometry	Adv. Geometry	Algebra 1	Algebra 1
Grade 10	STEM Algebra 2	Adv. Algebra 2	Honors Geometry	CP Geometry
Grade 11	Pre-Calculus	Adv. Trig.	Honors Algebra 2A	CP Algebra 2A
Grade 12	AP Calculus	Adv. Stats	Honors Algebra 2B	CP Algebra 2B

**Algebra 1** Grade 9  
Two semesters - 1 credit  
Students will learn to work with polynomials, graphs, radicals, roots, and powers. In addition, this class will prepare students for the Algebra I end of course exam. It is a prerequisite for CP or Honors Geometry.

**College Prep Geometry** Grade 10-11  
Two semesters – 1 credit  
**Prerequisite: Successful completion of Algebra 1.**  
Topics include the basic geometry skills necessary for the Geometry end-of-course exam including properties of figures, coordinate geometry, and basic trigonometric ratios.

**Honors Geometry** Grade 10-11  
Two semesters – 1 credit  
**Prerequisite: Successful completion of Honors Algebra 1**  
This class is designed for those students who want to prepare for college. Topics include, but are not limited to properties of plane and solid figures, types of reasoning, and geometric proofs. It is a prerequisite for Honors Algebra 2A.

**Advanced Geometry** Grade 9  
Two semesters – 1 credit  
**Prerequisite: Successful completion of 8<sup>th</sup> Grade Algebra 1.**  
This class is designed for those students who want to prepare for college. Topics include, but are not limited to properties of plane and solid figures, applied trigonometry, inductive reasoning, and deductive reasoning. It is a prerequisite for Advanced Algebra 2.

**STEM Geometry** Grade 9  
Two semesters – 1 credit  
**Prerequisite: Successful completion of 8<sup>th</sup> Grade Algebra 1.**  
This class is designed for those students who are intent in taking AP Calculus. Topics include, but are not limited to properties of plane and solid figures, applied trigonometry, inductive reasoning, and deductive reasoning. It is a prerequisite for STEM Algebra 2. Prerequisites include recommendation from middle school teacher and high scores on selected standardized tests. Course waivers may not be accepted as class size is limited.

**College Prep Algebra 2B** Grade 12  
Two semesters – 1 credit  
**Prerequisite: Successful completion of CP Algebra 2A.**  
Topics will begin with a review of those covered in CP Algebra 2A and will also expand to include radical functions, logarithmic functions, and rational functions.

**Honors Algebra 2B** Grade 12  
Two semesters – 1 credit  
**Prerequisite: Successful completion of Honors Algebra 2A.**  
This class is designed for those students who want to prepare for college. Topics include, but are not limited to systems of equations, and various types of functions.

**Advanced Algebra 2**

Grade 10

Two semesters – 1 credit

**Prerequisite: "C" or better in Advanced Geometry**

This class is designed for those students who want to prepare for college but don't have intentions on taking AP Calculus. Topics include, but are not limited to logarithms, conic sections, imaginary numbers, and sequences. It is a prerequisite for Advanced Trigonometry.

**STEM Algebra 2**

Grade 10

Two semesters – 1 credit

**Prerequisite: "C" or better in STEM Geometry.**

This class is designed for those students who are intent in taking AP Calculus. Topics include, but are not limited to logarithms, conic sections, imaginary numbers, and sequences. It is a prerequisite for Pre-Calculus.

**Advanced Trigonometry**

Grade 11-12

Two semesters – 1 credit

**Prerequisite: "C" or better in Advanced Algebra 2 or "B" or higher in Honors Geometry with teacher recommendation.**

This class is designed for those students who want to prepare for college but are not intent on taking AP Calculus. Students will review solving functions, which include; linear, quadratic, polynomial, radical, rational, exponential and logarithmic. Trigonometry topics include, but are not limited to trigonometric functions and applications, vectors, and analytical geometry.

**Pre-Calculus**

Grade 11

Two semesters – 1 credit

**Prerequisite: "C" or better in STEM Algebra 2.**

This class is designed for those students who are intent in taking AP Calculus. Topics include, but are not limited to functions, statistics, and trigonometry. It is a prerequisite for AP Calculus.

**Advanced Statistics**

Grade 12

Two semesters – 1 credit

**Prerequisite: "C" or better in Advanced Trigonometry.**

It is an introductory course in descriptive and inferential statistics. Topics include, but are not limited to random sampling, the normal distribution and the Central Limit Theorem.

**AP Calculus**

Grade 12

Two semesters – 1 credit

**Prerequisite: "C" or better in Pre-Calculus**

It is an introductory course in differential and integral calculus. Topics include, but are not limited to limits, sequences, infinite series, and power series.

**EOC Math**

Grade 11-12

One semester – 1/2 credit

This is a remediation course for students planning to retake either the Algebra 1 or Geometry End-of-Course Exam for graduation requirement purposes.

# World Languages

## Year by year outline of Foreign Language courses

	French	Spanish
Grade 9	French I	Spanish I
Grade 10	French II	Spanish II
Grade 11	French III	Spanish III
Grade 12	French IV	Spanish IV

### French I

Grades 9 – 11

Two semesters – 1 credit

This course presents an introduction to the French-speaking world. It incorporates simple vocabulary and phrases, the alphabet, basic phonetics, cognates, cultural comparisons, and fundamentals of French grammar. Classroom participation and workbook exercises will reinforce essential concepts while oral and audio exercises are utilized to obtain correct pronunciation.

### French II

Grades 11 -12

Two semesters – 1 credit

#### **Prerequisite: minimum “C” average in French I**

Students will build on the basic skills attained in French I, while moving toward developing greater fluency in speaking and writing. Spoken and written language will progress from short sentence level to a more cohesive paragraph level. Reading and listening comprehension will also be developed.

### French III

Grades 11 – 12

Two semesters – 1 credit

#### **Prerequisite: minimum “C” average in French II.**

Students will increase their proficiency in the four skill areas (listening, speaking, reading, and writing) and will deepen their understanding of French grammar and culture. Students will complete projects and units on one or more of the following topics: art, literature, history, holiday traditions, and/or the cinema.

### French IV

Grade 12

Two semesters – 1 credit

#### **Prerequisite: minimum “C” average in French III.**

This course provides a more in-depth approach to the study of French. In preparation for post-secondary study, an intensive grammar review will be completed. Additionally, more advanced grammar concepts will be included to increase language skills and proficiency. Students will learn and practice target language skills through classroom discussion of selected reading materials, oral presentations, and other creative projects.

### Spanish I

Grades 9 - 12

Two semesters – 1 credit

An introduction to Spanish based in simple conversation, vocabulary, verbs, culture and grammar studies. Emphasis is placed on intonation and pronunciation, simple sentence structure, listening, comprehension, and cultural awareness.

**Spanish II**

Grades 10 - 12

Two semesters – 1 credit

**Prerequisite: minimum of a "C" in Spanish I**

The first nine weeks of this course will be a continuation of Spanish I, with emphasis on verbs, grammar, and vocabulary. Later, emphasis is placed on new verb tenses, reading, writing, conversation skills, and culture.

**Spanish III**

Grades 11 - 12

Two semesters – 1 credit

**Prerequisite: minimum of a "C" in Spanish II**

Third level Spanish involves an in-depth study of the language, with emphasis on usage through idioms and various tenses. In preparation for post-secondary study, an intensive review of the four language skills will increase language proficiency.

**Spanish IV**

Grade 12

Two semesters – 1 credit

This course is an extension of Spanish 3 that will serve to prepare students for post-secondary study. Emphasis will be placed on review and building of language skills to increase language proficiency. Course placement is by teacher recommendation.

## Social Studies

### Year by year outline of Social Studies courses- 3 years required

	Advanced Track	Honors Track	College Prep Track
Grade 9	Honors Comprehensive SS	Honors Comprehensive SS Connections Comp. SS	CP Comprehensive SS CP Comprehensive SS (CBI) Connections Comp. SS
Grade 10	Adv. American History	Honors American History	CP American History CP American History (CBI)
Grade 11	AP US Government and Econ.	Honors Government and Economics	CP Government & Economics
Grade 12	Psychology & Sociology	Psychology & Sociology	Psychology & Sociology

**College Prep Comprehensive Social Studies**

Grade 9

Two semesters – 1 credit

A required freshman level course designed to provide a broad range of experiences in the social sciences: incorporating world history, citizenship rights and responsibilities, and an introduction to the principles of government during the first semester. The second semester will provide an introductory focus on American History.

**College Prep Comprehensive Social Studies (CBI)**

Grade 9

Two semesters – 1 credit

This required freshman level course is for students in the Career Based Education program. It takes the place of, and is identical in scope and sequence to, the regular Comprehensive Social Studies class.

**Connections Comprehensive Social Studies**

Grade 9

Two semesters – 1 credit

This hybrid course is designed to explicitly connect English and Social Studies curriculum for a deeper understanding of the material. Students will engage in 21st century instructional strategies including a strong infusion of technology. This course is blocked with Freshmen Connections English Language Arts. Enrollment is limited.

**Honors Comprehensive Social Studies**

Grade 9

Two semesters – 1 credit

A required freshman level course designed to provide a broad range of experiences in the social sciences: incorporating world history, citizenship rights and responsibilities, and an introduction to the principles of government during the first semester. The second semester will provide an introductory focus on American History. Discussions will be more in-depth than the CP version of this course.

**College Prep American History (CBI)**

Grade 10

Two semesters – 1 credit

A general level course that is required of students in the Career Based Education program. It takes the place of, and is identical in scope and sequence to, the regular General American History class.

**College Prep American History**

Grade 10

Two semesters – 1 credit

The curriculum will follow Ohio's Learning Standards for American History and will prepare students for the American History End-of-Course Exam. The instructed curriculum will focus on the study of events and influences that have helped to shape our nation.

**Honors American History**

Grade 10

Two semesters – 1 credit

This course will emphasize Ohio's Learning Standards for American History including a generalized study of past events and their influence on United States development. This class will prepare students for the American History End-of-Course Exam. Course placement will include an increased workload over College Prep and utilize teacher recommendations.

**Advanced American History**

Grade 10

Two semesters – 1 credit

This course offers an in depth study of our nation's past and the events that have influenced its development. The instructed curriculum will draw upon advanced placement guidelines and Ohio's Learning Standards for American History. This class will prepare students for the American History End-of-Course Exam. Instruction and course expectations will resemble entry level college coursework in depth and scope. Course placement will utilize but is not limited to: grade point average; yearly average in Comprehensive Social Studies; and teacher recommendations. Course waivers may not be accepted as class size is limited.

**Sociology**

Grades 11- 12

One semester – ½ credit

This course will focus on the scientific study of social structure. Sociology has its own perspective, which never focuses on the individual unlike psychology. Sociology always remains at the social or group level. Some of what we will explore is American culture, society and its behaviors compared to those around the world. They will be studied for similarities, differences, and unique qualities.

**Psychology**

Grades 11-12

One semester – ½ credit

The instructed curriculum will provide the educational tools necessary to teach students the basic principles, concepts, and theories that constitute the core of the study of Psychology. This course is designed to aid students in better understanding themselves, their lives, and their communities.

**College Prep Government & Economics**

Grade 11

Two semesters – 1 credit

Students will study such matters as the United States Constitution, federalism and civil liberties, how political values and associations are formed, how we as a people make decisions through government, our relationships with other countries, and current events. Students will also study basic economic matters as global interdependence, supply and demand, resource allocation, and government fiscal, monetary and tax policy. How long term historical trends have affected all of the aforementioned will also be explored. Citizenship preparation is the primary focus.

**Honors Government & Economics**

Grade 11

Two semesters – 1 credit

All of the same topics will be presented as in the preceding course, but in much greater detail. Course placement will utilize but is not limited to: grade point average, yearly average in Comprehensive Social Studies and American History courses, and teacher recommendations.

**Advanced Placement (AP) United States Government & Politics**

Grade 11

Two semesters – 1 credit

This is a college level course which would be the equivalent of introductory political science and economics courses. All students taking the course will have the opportunity to take the AP examination for this course offered by the College Board. This offers the possibility of receiving college credit if one does well enough upon the exam. Extensive reading is required as in any college course and class discussion is emphasized. Disciplines studied in this course include economics and government and specific aspects of those disciplines such as political thinking, constitutional underpinning of democracy, civil liberties, political beliefs and behaviors of individuals, bureaucracy, government finance, and the making of public policy. Current events are also extensively integrated into this course.

**EOC Government**

One semester – 1/2 credit

Grade 11 - 12

This is a remediation course for students planning to retake the American Government End-of-Course Exam for graduation requirement purposes.

**EOC American History**

One semester – 1/2 credit

Grade 11 - 12

This is a remediation course for students planning to retake the American History End-of-Course Exam for graduation requirement purposes.

## Science

**Year by year outline of Science courses- 3 years required**

	Advanced Track	Honors Track	College Prep Track
Grade 9	Honors Physical Science	Honors Physical Science	CP Physical Science
Grade 10	Advanced Biology	Honors Biology	CP Biology
Grade 11	Chemistry 1 CHEM1120	Chemistry 1 CHEM1120	CP Environment Science CP Basic Anatomy
Grade 12	AP Chemistry AP Physics B Physiology	Honors Physics Physiology	

**College Prep Physical Science**

Grade 9

Two semesters – 1 credit

This science course is designed to develop standards-based knowledge and skills in topics including atoms, chemical reactions, physical properties, mixtures and solutions, laws of motion, forces, energy, waves, historical perspectives, and emerging issues. The course also addresses the history and origin of the Universe, relationship between technology and science, the diversity of scientific investigations, scientific theories, scientific literacy, scientific conclusions, and modeling investigations.

**Honors Physical Science**

Grade 9

Two semesters – 1 credit

This science course is designed to help students become better problem solvers while learning laws that govern our physical world. The class emphasizes and develops standards based knowledge and skills including atoms, chemical reactions, physical properties, mixtures and solutions, laws of motion, forces, energy, waves, historical perspectives and emerging issues. The course also addresses the history and origin of the Universe, and the relationship between technology and science.

**College Prep Biology**

Grade 10

Two semesters – 1 credit

Focus of the course is on life science concepts relating to the Biology End-of-Course Exam. Topics covered include heredity, evolution, diversity and interdependence of life, and cells.

**Honors Biology**

Grade 10

Two semesters – 1 credit

**Prerequisite: Honors Physical Science**

This fast paced inquiry-lab based course focused on our living world. This course will give the student majoring in science the background material for more advanced biological sciences.

Topics covered include heredity, evolution, diversity and interdependence of life, and cells.

### **Advanced Biology**

Grade 10

Two semesters – 1 credit

An advanced life science course offered during the sophomore year. The instructed curriculum will draw upon advanced placement guidelines, while also incorporating grade level curriculum. Instruction and course expectations will resemble entry level college coursework in depth and scope. Course placement will utilize but is not limited to: grade point average, Honors Physical Science yearly average, yearly averages in other core subject areas and teacher recommendations. Course waivers may not be accepted as class size is limited.

### **Chemistry 1**

Grade 11

Two semesters – 1 credit

#### **Prerequisites: Honors Algebra I; recommended Algebra II, Honors Biology**

A college preparatory, inquiry lab-based course designed to give students an understanding of the fundamentals on the makeup of matter. Topics include lab management and safety, measurements and calculations, organization of matter, chemical reactions and stoichiometry, and behavior of gases.

### **College Prep Environmental Science**

Grades 11 - 12

One semester – ½ credit

An inquiry-lab based science course covering general topics in environmental science. Topics include ecosystems, water, air, atmosphere, biodiversity, waste management, and population growth.

### **College Prep Basic Anatomy**

Grades 11 -12

One semester – ½ credit

An inquiry-lab based science course covering general topics in human anatomy. Topics include introduction to anatomy, terminology, systems of the human body, and immunity from disease.

### **AP Chemistry**

Grade 12

Two semesters – 1 credit

#### **Prerequisites: "C" or higher in Chemistry 1 and Algebra 2A**

The second course in a two-course series designed to give students a more in-depth understanding of chemical principles, and prepare them for the AP Chemistry Exam. Students must be scheduled for two consecutive class periods, as the course will have a shared lab period with AP Physics. Because the AP Chemistry course will move at a quick pace, class time will be dedicated to answering questions and solving problems relating to regularly scheduled reading assignments and performing laboratory exercises. A general review of concepts including measurements and problem solving, atomic theory, and chemical equations and reactions will be undertaken, followed by a detailed view of gas laws and kinetic theory, thermochemistry, molecular geometry and chemical bonding, solutions, rates of reaction and chemical equilibrium, acids and bases, electrochemistry, organic chemistry, biochemistry, and nuclear chemistry. An interview with the AP teacher may be required for enrollment.

**Honors Physics**

Grade 12

Two semesters – 1 credit

**Prerequisite: Honors Algebra 2A**

A college preparatory, inquiry-lab based course designed for students planning to major in math, science, or engineering in college. Emphasis is placed on fundamental concepts of natural laws in the field of mechanics, heat, sound, light, electricity, and magnetism.

**AP Physics B**

Grade 12

Two semesters – 1 credit

**Prerequisite: Algebra 2A**

AP Physics 1 is an algebra-based introductory college level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy and power; mechanical waves and sound; and introductory simple circuits. The course requires that 25 percent of the instructional time will be spent in hands-on laboratory work that provides students with opportunities to apply science practices. Students must be scheduled for two consecutive class periods, as the course will have a shared lab period with AP Chemistry. An interview with the AP teacher may be required for enrollment.

**Physiology**

Grade 12

Two semesters – 1 credit

**Prerequisite: "C" or higher in Honors Biology and Chemistry.**

An advanced inquiry-lab based course for students who are considering a career in the medical sciences or sports medicine field. Topics covered include an in depth overview of human anatomy and physiology.

**EOC Science**

One semester – 1/2 credit

Grade 11 - 12

This is a remediation course for students planning to retake the Physical Science or Biology End-of-Course Exam for graduation requirement purposes.

## Health and Physical Education

**Health**

Grades 9 -12

One semester – ½ credit

A course required within the curriculum dealing with personalities and behaviors, adolescence, drugs and alcohol, physical fitness, first aid, and the structure, functions, and care of the human body. Anatomy and physiology are included as an important part of the course going considerably further than the general health and safety in elementary courses.

**Physical Education**

Grades 9 – 12

One semester – ¼ credit

All students are required to take two semesters. This course includes a variety of lifetime activities. Students must dress appropriately and participate in class activities. Should there be a physical disability; requirements for this course can be adjusted with assistance from the doctor, instructor, and guidance counselor.

*Please Note: Students who have participated in interscholastic athletics, marching band, or cheerleading for at least two (2) full seasons documented by the athletic director, guidance counselor, band director and principal may be excused from the high school physical education requirement. Please see your Guidance Counselor for further information.*

## **Career Technical Education**

### ***Family and Consumer Science Program***

**Principles of Food**

Grades 9 – 10

One semester – ½ credit

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

**Nutrition and Wellness**

Grades 9 -12

One semester – ½ credit

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle. It is recommended that students take the Principles of Foods class before taking this course.

**Global Foods**

Grades 10 – 12

One semester – ½ credit

**Prerequisite: Principles of Food or Nutrition and Wellness**

In this course, students will compare cuisines, ingredients, and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes. e.

**Food Science**

Grades 10 -12

One Semester – ½ credit

**Prerequisite: Principles of Foods or Nutrition and Wellness**

In this course, students will apply basic culinary practices and understand how flavor, texture, and appearance are affected during food preparation. Students will evaluate chemical reactions as they occur in cooking methods and assess how to control high-risk food safety situations. Food safety and sanitation techniques will align to industry- recognized certifications.

**Personal Financial Management**

Grades 10 – 12

One semester – ½ credit

In this course, student will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success. Additional topics will include analyzing services from financial institutions, consumer protection, investing, and risk management.

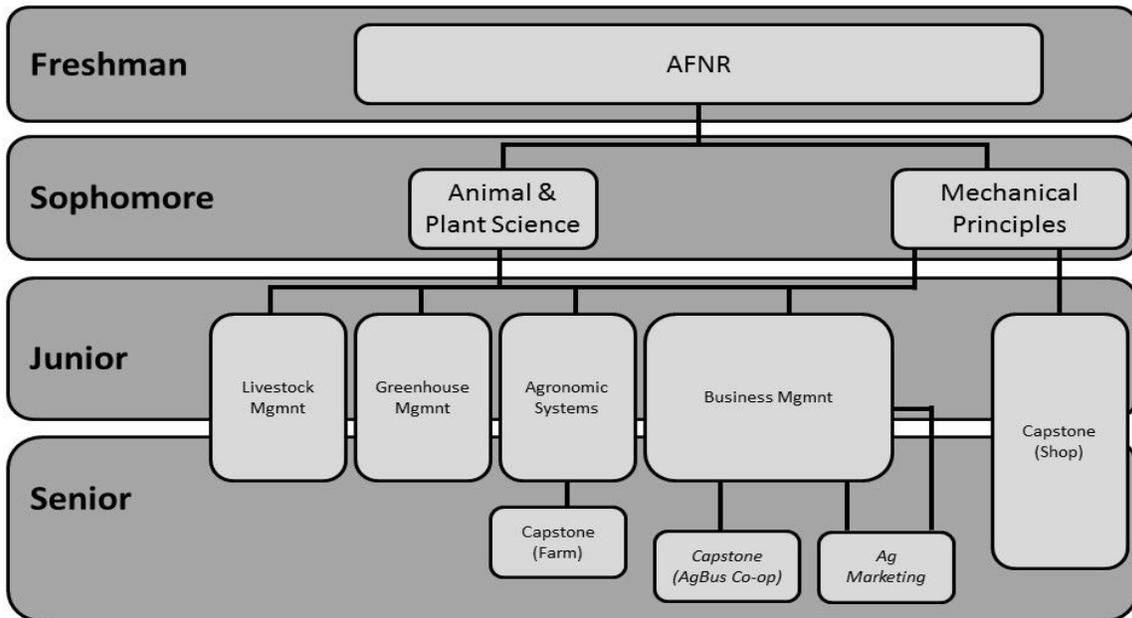
**Child Development**

Grades 10 – 12

One semester – ½ credit

In this course, students will study the principles of child growth, development, and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles, and evaluating childcare services.

***Agricultural Education Program***



**Agriculture, Food and Natural Resources (AFNR)**

Grades 9-10

Two semesters – 1.25 credits

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 communication, leadership and business skills essential to the agriculture industry. This class is a prerequisite for all other Agriculture classes unless Jr. or Sr.

**Animal and Plant Sciences**

Grades 10 – 12

Two semesters – 1.25 credits

**Prerequisite: AFNR**

Students will apply knowledge of animal and plant sciences 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. This class is a prerequisite for Agronomic Systems, Greenhouse Management, and Livestock Systems, and Business Management.

**Mechanical Principles**

Grades 10 – 12

Two semesters – 1.25 credits

**Prerequisite: AFNR**

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. This class is a prerequisite for Capstone (Shop).

**Agronomic Systems**

Grades 10 – 12

Two semesters – 1.25 credits

**Prerequisite: Animal & Plant Sciences or Mechanical Principles**

Students will apply knowledge and skills required to research, develop, produce and market major agricultural and horticultural crops. Cultural and sustainable production practices will be examined while students apply scientific knowledge of plant development, nutrition and growth regulation. The knowledge and skills needed to manage water, soils, and pests related to agronomic crops will be assessed. Students will employ technological advances, communication, business, and management strategies appropriate for the industry.

**Ag Marketing**

Grades 10 - 12

Two semesters-1.25 credits

**Prerequisite/Concurrent registration: Ag Business**

Students will examine economic principles related to agriculture, food, and natural resources along with the operation and use of commodity futures and option markets. Students will learn economic principles with emphasis on their application to the solution of agricultural industry problems. They will examine future exchanges and commodity futures contracts, hedging strategies, as well as put and call options. Throughout the course, students will become familiar with the causes and consequences of economic growth, globalization and development.

### **Ag Business**

Grades 10 – 12

Two semesters – 1.25 credits

#### **Prerequisite: Animal & Plant Sciences or Mechanical Principles**

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. Note: Students can receive 3 semester hours of college credit (upon enrollment at a state university that offers the program) upon successful completion of the course (score 50 or higher on the Webxam and receive a C or higher in the course).

### **Greenhouse and Nursery Management**

Grades 11 – 12

Two semesters – 1.25 credits

#### **Prerequisite: Animal & Plant Sciences or Mechanical Principles**

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. Animal and Plant Science. Note: Students can receive 3 semester hours of college credit (upon enrollment at a state university that offers the program) upon successful completion of the course (score 50 or higher on the Webxam and receive a C or higher in the course).

### **Livestock Selection, Nutrition and Management**

Grades 11-12

Two semesters – 1.25 credits

#### **Prerequisite: Animal & Plant Sciences or Mechanical Principles**

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.

### **Agricultural and Environmental Systems Capstone (Shop)**

Grades 11-12

Two semesters – 1.25 credits

#### **Prerequisite/Concurrent registration: Mechanical Principles.**

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and

through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships. This course can be repeated for credit.

**Agricultural and Environmental Systems Capstone (Ag. Co-op Placement-Jr.)** Grade 11

Two semesters– 2.25 credits (2 credits for 360 plus hours worked and 0.25 credit for SAE completion)

**Prerequisite/Concurrent registration: Ag Business; must be enrolled in their third Agricultural Education course concurrently**

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships, and internships. Agricultural placement must be agriculturally-related and approved by the Agricultural Education instructor. Students are required to complete a minimum of 10 hours of employment each week throughout the school year.

**Agricultural and Environmental Systems Capstone (Farm Management)** Grades 11 – 12

Two semesters – 1.25 credits

**Prerequisite/Concurrent registration: Animal and Plant Sciences and/or Agronomic Systems.**

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships. The course can be repeated for credit.

**Agricultural and Environmental Systems Capstone (Ag. Co-op Placement-Sr. )** Grade 12

Two semesters – 3.25 credits (3 credits for 540 plus hours worked and 0.25 credit for SAE completion)

**Prerequisite/Concurrent registration: Ag Business; must be enrolled in their third Agricultural Education course concurrently**

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships, and internships. Agricultural placement must be agriculturally-related and approved by the Agricultural Education instructor. Students are required to complete a minimum of 10 hours of employment each week throughout the school year.

### ***Career Based Intervention Program***

**Career Based Education 1**

Grade 9

Two semesters – 1 credit

A freshman level course designed to motivate students to explore career options and how they relate to each student's educational goals. The objective is to identify a career goal and the educational path necessary to obtain that goal.

**Career Based Education 2**

Grade 10

Two semesters – 1 credit

A continuation of the above course for sophomore level students. This course is necessary for those students coming out of C.B.I. 1 that have not yet identified a career path with appropriate educational goals to meet the career objective.

***Technology Education Foundations Program*****Technology Education I**

Grades 9 – 12

Two semesters – 1 credit

A hands-on, problem solving introductory course for all students. Career choices and career training will be discussed and explored. Students will work with a partner in work stations for two weeks, before switching to a new work station. Work stations include: Building Construction, Residential Wiring, Residential Plumbing, Four Stroke Engine, Graphic Design, Robotics, Electronics, CNC Lathe, CNC Mill, Web Page, Engineering Structures (bridge building), Aerodynamics, and Computer Aided Drafting (CAD). There are numerous breakout sessions which include students designing and drawing a house using a computer, and also designing, building and testing mousetrap cars.

**Technology Education II (Construction Technologies)**

Grades 10 – 12

Two semesters – 1 credit

**Prerequisite: Technology Education I or senior status**

Every home, every business, and every structure is the product of skilled construction professional. If you enjoy working with your hands and seeing the results of your work, keep reading. You'll learn carpentry, electrical, and plumbing techniques. You'll have the chance to master a wide range of hand tools, and power tools, read blueprints and building plans. From foundation to roofing, you'll learn to create buildings that last for many years.

**Fine Arts****Art I**

Grades 9 – 12

One semester – ½ credit

An introductory course to give students a foundation in experience that will enable them to understand the elements and principles of Art. Also includes the learning of good techniques employed with each medium.

**Art II**

Grades 10 – 12

Two semesters – 1 credit

More specialized training using the experiences received in Art I as the introductions of new mediums and techniques. Students are given more of an opportunity to learn by doing. Approval from instructor required.

**Art III**

Grade 11 – 12

Two semesters – 1 credit

Will continue where Art II leaves off by becoming a more studio based class. Students will

participate in competition, tougher critiques, and the beginning stages of portfolio development. Approval from instructor required.

#### **Art IV**

Grade 12

Two semesters – 1 credit

Involves a more creative and independent approach to Art. Students will have more freedom to decide Art projects in a total studio based class. Students will participate in all competition, bi-weekly critiques, and complete class with a developed portfolio. Approval from instructor required.

#### **Basic Design**

One semester-½ credit

Grades 9-12

Basic design in an introduction to the use of a digital platform to explore the principles, elements, and theories of design. Students will also explore various methods used to create and combine words, symbols, and images to create a visual representation of ideas and messages. Students will be exposed to a variety of software programs as they create a wide range of design-based projects. Students will also learn how to use the computer programs Adobe Photoshop and Adobe Illustrator.

#### **Graphic Design 1**

Two semesters- 1 credit

Grades 10-12

Graphic Design 1 is the foundations of computer design using Adobe Photoshop and Adobe Illustrator and other graphics software. Students will learn to create and capture images as well as manipulate them to create dynamic designs. They will also look at typography, design layout, poster and package design, personal logo, and branding.

#### **Graphic Design 2**

Two semesters-1 credit

Grades 11-12

Graphic Design 2 is a course that develops and refines creative skills used in business and advertising. The class will focus on typography, 3D design, animation, web design, CAP design, and graphic design career options. Students will learn to use Adobe Illustrator, CAD, and other computer programs.

#### **Drama I**

One semester – ½ credit

Grades 10 – 12

This introductory course is designed to familiarize students with the standards of theatre production. Drama I will include using technical elements to establish mood and setting, planning for an area of technical production, and integrating several arts media in a presentation while discovering the importance of drama/theatre in a community. Students study multiple genres of theatrical products and playwrights from various time periods and civilizations. The Ohio Drama/Theatre Standards I are incorporated into this class.

#### **Drama II**

One semester – ½ credit

Grades 10 – 12

In this course, students collaborate with peers to produce all aspects of a show. Students use self-evaluation strategies and audience response to improve artistic works and experiences. After students attend a professional performance, they examine career opportunities in all aspects of theatre/drama. The Ohio Drama/Theatre Standards II are incorporated into this class. Students do not have to take Drama I before taking this class.

**Marching Band & Pep Band**

Grades 9 – 12

One semester – ½ credit

The "Marching Panther Pride "is one of the largest and most visible bands at MTHS. This class is an elective that meets in the summer before, and during, school days from August through November. Students in marching band must be a member of a regular band class, unless approved by the director. Students in marching band are required to attend band camp during the month of August, and will comprise the pep band for basketball games (December-February.)

**Concert Band**

Grades 9 – 12

Two semesters – 1 credit

The purpose of this group is the continued development of the instrumental skills learned in junior high. The basic fundamentals of music will be continued and expanded to broaden knowledge of musical concepts and instrumental proficiency. Participation in concerts, school assemblies and contests as well as community events will be some of the many activities required of students.

**Symphonic Band**

Grades 9 – 12

Two semesters –1 credit

This is the top performing band at MTHS. Membership into this group is by audition or through director discretion. The group will consist of students who meet entrance standards and instrumental proficiency. Repertoire for symphonic band will consist of a broad spectrum with literature from the Baroque period through the 21st century. Participation in concerts, contest, school assemblies as well as community service events will be some of the many activities required.

**Jazz Band**

Grades 9 – 12

Two semesters – 1 credit

Membership to this group is by audition or director discretion. The group is limited to proficient sax, trumpets, trombones, percussion, electric bass and guitar, and keyboard performers. The Jazz band is a performance oriented group and appears at concerts, jazz festivals, and many other special events throughout the community during the school year.

**Concert Choir**

Grades 9 – 10

Two semesters – 1 credit

Concert Choir is a mixed chorus made up of singers in grades 9 & 10. Entry into the group is by student interest and selection by the director. The group will concentrate on the study and application of 1) proper vocal and choral techniques, 2) sight-reading skills, 3) basic music theory, 4) choral repertoire suitable for a developing choir. The group will participate in scheduled concerts throughout the school year. Student achievement will be determined by daily participation, concert attendance, written assessments, and teacher observation based on an activity rubric.

**Women's Choir**

Grades 10 – 12

Two semesters – 1 credit

Open to female vocal ranges in grades 10-12 by student interest and selection by the director the preceding year or at the beginning of school for newly interested singers. This chorus will concentrate on the basics of proper vocal technique and proper choral technique. They will also

continue developing sight-singing skills and will study some basic music theory that applies to music being taught. This group will concentrate on music repertoire that is written for girls' voices and will sing unison, two, and three-part music. The group will participate in four scheduled concerts during the school year.

### **Symphonic Choir**

Grades 10 – 12

Two semesters – 1 credit

Symphonic Choir is a select, mixed choral ensemble open to singers in grades 10, 11, and 12. Entry into the group is by audition with the director and successive inclusion in the group is dependent upon the singer continuing to make positive advancement as a singer. This group will concentrate on continued development of sight-reading skills, study and application of basic music theory, continued development of vocal and choral techniques, and the singing of advanced level choral repertoire. Symphonic Choir will participate in a minimum of 5 scheduled concerts as well as OMEA Large Group Events.

### **Pink Panthers**

Grades 10 - 12

Two semesters – 1 credit

**Prerequisite: a minimum of one year of any HS choir and permission of the director.**

Pink Panthers is a select choral ensemble for female vocal ranges open to students in grades 10, 11, and 12 whose primary purpose is to study, prepare and perform choral music in the show choir style with the inclusion of choreography and staging. The group will continue to study and apply proper choral and vocal techniques in the preparation of at least three major shows to perform at school and in the community. The group normally performs between 15 to 20 times a year, at school and in the community. Membership for this group is chosen from Symphonic Choir. Each singer must complete an audition in the spring consisting of singing and choreography. All singers are required to be in Symphonic Choir unless there is a schedule conflict. All exceptions must be approved by the director. Students are financially responsible for their own performance attire.

### **Soundsations**

Grades 10 – 12

Two semesters – 1 credit

**Prerequisite: a minimum of one year of any HS choir and permission of the director.**

Soundsations is a select **mixed** choral ensemble open to students in grades 10, 11, and 12 whose primary purpose is to study, prepare and perform choral music in the show choir style with the inclusion of choreography and staging. The group will continue to study and apply proper choral and vocal techniques in the preparation of at least three major shows to perform at school and in the community. The group normally performs between 20 and 25 times a year, at school and in the community. Membership for this group is chosen from Symphonic Choir. Each singer must complete an audition in the spring consisting of singing and choreography. All singers are required to be in Symphonic Choir unless there is a schedule conflict. All exceptions must be approved by the director. Students are financially responsible for their own performance attire.

## **Business**

### **Intro to Accounting**

Grades 10-12

One semester- ½ credit

**Pre-requisite: Sophomore status or higher and be concurrently enrolled in Honors Geometry or higher.**

An introduction to the principles and practice of accounting. Emphasis is placed on the fundamentals of recording, adjusting, analyzing, and reporting financial information in accordance with Generally Accepted Accounting Principles.

**Principles of Financial Accounting** Grades 10-12

One semester – ½ credit

**Pre-requisite: Intro to Accounting or Small Business Accounting with a C or better.**

Expands upon accounting knowledge gained in Intro to Accounting. Topics include accounting for service and merchandising operations, inventory, accounting information systems, working capital, managing uncollectible accounts receivable, depreciation, payroll, short-term and long-term liabilities. Note: CCP eligible students may take ACC 1101 for SSCC credit in place of Principles of Financial Accounting if they take Intro to Accounting first.

**Intro to Computer Applications** Grades 9-12

One semester- ½ credit

Designed to familiarize students with the Windows operating system, web browsers, and applications within Microsoft Office 2013 such as Word, OneNote, and Outlook.

**Computer Applications** Grades 9-12

One semester- ½ credit

**Pre-requisite: Intro to Computer Applications with a C or better.**

Expands upon student familiarity with Microsoft Office 2013 by focusing on Excel, PowerPoint, and Access Database applications. Note: CCP eligible students may take CSCI 1120 for SSCC credit in place of Computer Applications if they take Intro to Computer Applications first.

**Excel** Grades 10-12

One semester -½ credit

**Pre-requisite: Honors Algebra 1 or higher with a C or better.**

An introduction to spreadsheet software to create, design, edit, and enhance spreadsheets and workbooks. Students will use formulas and functions in calculations, design and enhance charts, and secure and share data in preparation for the MOS Certification test. Note: CCP eligible students may take Excel as CSCI 2218 for SSCC credit.

**Intro to HTML and Animation Programming** Grades 11 – 12

One semester – ½ credit

**Prerequisite: Intro to Computer Application with a C or better.**

Intended for the college-bound student, this course will introduce computer programming logic using HTML webpage design as well as 3-D animations utilizing the ALICE program developed at Carnegie Mellon University. Hands-on programming exercises and critical thinking activities encourage the user to apply analytical and reasoning skills.

## Others

**Applied Communications: Video Production** Grades 9-12

Two semester/Two periods – 2 credit

This course focuses on video production for commercial use. Students plan and coordinate work with clients to produce projects on a tight timeline. They learn how to read and interpret a script, select and maintain equipment and combine graphics, text and special effects. Skills obtained

include pre-production documentation and planning; in-production audio and video recording; and post-production editing and distribution. A portion of the work for this class is completed after regular school hours. Students who wish to take this class must complete an application.

### **Applied Communications: Video Broadcasting**

Grades 9-12

Two semester/Two periods – 2 credit

This course focuses on video broadcast for the journalism industry. Skills obtained include interviewing, image capture, color manipulation, audio and video blend, lighting and editing. Students critique news broadcasts and research content. They plan and shoot video for live and recorded use in a specific time slot, while adhering to laws related to defamation, libel, copyright and privacy. A portion of the work for this class is completed after regular school hours. Students who wish to take this class must complete an application.

### **Journalism**

Grades 9 – 12

Two semesters – 1 credit

This course focuses on generating news story ideas including hard news, feature stories, sportswriting, and editorials. Skills obtained include identifying news stories, interviewing experts, photographing subjects, writing scripts, and attribution of sources. Students write scripts for the broadcast and production classes. A portion of the work for this class is completed after regular school hours. Students who wish to take this class must complete an application.

### **Speech**

Grades 11- 12

One semester – ½ credit

Students will learn the different types of speeches and how to prepare and present a good speech. Students will gain self-confidence by taking an active part in four speeches each nine weeks. This course is not considered to be an English course for college-prep requirements. This humanities course is recommended for college- bound students.

### **MITRA (Yearbook)**

Grades 11 -12

Two semesters – 1 credit

This course is designed for juniors and seniors to learn the techniques of photo journalism through actual experience in creating the Miami Trace High School yearbook. Taking pictures, selling advertising, creating page layouts, and writing copy for the MITRA will be expected of all students. MITRA staffers will learn to use yearbook creation software which utilizes many desktop publishing features. Students must complete an application to the advisor for approval to take this class. This class will be limited in enrollment.

***As a local requirement, all junior students are required to enroll in either College Action Plan and/or Career Action Plan.***

### **College Action Plan**

Grades 11-12

One semester- ½ credit

College Action Plan is designed for juniors planning to attend a four year college after high school. The course will focus on exploring careers that require 4 or more years of college, crucial aspects of the college application process, and strategies for a successful college experience. Students will explore ACT test expectations through practice questions and test simulations. Additionally, students will research potential colleges to determine which college is a best fit for

them both academically and financially. Students will then examine both the college application and financial aid processes. Finally, students will discuss strategies for academic success while adjusting more comfortably and safely to life on a college campus.

### **Career Action Plan**

Grades 11-12

One semester- ½ unit credit

Career Action Plan is an introductory course designed to assist students in (1) practicing skills necessary to excel in the workforce and in postsecondary learning (2) transition skills needed for successful independent living (3) skills needed for standardized assessments associated with graduation. Upon completion of this course, students will know and exhibit characteristics associated with the following: personal finance skills, career and military opportunities, local options for job training and technical skill attainment, resume building, and local resources and services.

### **CAP Work Experience**

Grade 12

Two semesters – 2 credits

#### **Pre-requisite: Successful Completion of Marketing Ed 1 OR Co-requisite Career Action Plan**

Students explore potential careers and gain valuable work experience in a professional environment through an internship and training. Students will have the opportunity to explore all aspects of a profession and gain better understanding of job skills and training opportunities. This internship program is not focused on one task, but is to provide students with a wide range of experiences within a career field. Students will participate in community placements off campus while requiring weekly checks with the instructor. The student is responsible to find placement off campus and it must be approved by the instructor in order to receive off campus privileges. Students are also responsible for resolving transportation needs. The student will be evaluated on attendance, job performance, and appropriate business behavior. The student must participate in the placement for a set hours of 90 hours per quarter.

### **Strength & Conditioning**

Grades 9 – 12

One semester – ½ credit

Strength & Conditioning is a course designed to teach the fundamental skills needed to improve the overall personal health of the individual. Emphasis will also be placed on the correct use of muscle groups in weightlifting, the mechanics behind each exercise, correct spotting techniques on equipment, and learning and experiencing the cardiovascular benefits of running, walking, and exercise. This class is limited to **student athletes only** who wishes to learn and work to improve their personal health. This course is considered an elective and does not meet the physical education requirement.

## **Special Education**

Resource room classes are available for small group learning in addition to select co-taught classes. Students must have an individualized education plan (IEP) and be recommended by an intervention specialist, student services supervisor, or guidance counselor to sign up for these courses.

### **Introduction to Transitions**

Grades 9-10

Two Semesters- 1 credit

Freshmen and Sophomore level students receiving services on an Individualized Education Program will engage in supplemental instruction to aid in progression through the curriculum. Intervention Specialists will provide guidance including: organization of materials, preparation for assessments, and completion of learning activities within the scope of each student's individual schedule.

### **Advanced Transitions**

Grades 11-12

Two Semesters- 1 credit

Junior and Senior level students receiving services on an Individualized Education Program. This course will engage students in James Stanfield's Transitions Curriculum. The curriculum will assist in developing skills for independence, establishing goals for life after graduation, exploring challenging situations that are a part of adult life. This course is designed to provide meaningful preparation for adult life for our students.

### **Work Study**

Grades 11-12

Two semesters – 4 credits (half day) or Two semesters – 8 credits (full day)

In the junior year, special education students who have transportation have the option of a one-half day program of work. The student will spend four or five periods in regular classroom instruction, and then will be permitted to leave school to receive work experience on-the-job. In the senior year, the student will have the option of a full-day work study program, if approved in advance, by the work-study coordinator.

## **College Credit Plus**

### **English 1101 - English Composition 1**

One semester – 3 Semester Hour Credits (1 HS credit)

This course is designed for college level students in the College Credit Plus program. This course provides an introduction to expository writing, emphasizing the clear and concise expression of ideas in a variety of rhetorical modes. Prerequisite: Accuplacer Writing score of 5 or above, or ACT English score of 18 or above or SAT Verbal score of 500 or above. Course is taught at MTHS.

### **English 1102 - English Composition 2**

One semester – 3 Semester Hour Credits (1 HS credit)

This course is designed for the college-level students in the College Credit Plus program. This course advances skills acquired in English 1101 while emphasizing argumentation and research writing. Research and MLA documentation techniques are introduced. Upon completion of English 1102, students will demonstrate continued competency in the objectives for English 1101, the ability to write effective arguments, the ability to conduct academic library and internet research, and the ability to plan, write, and document a research paper according to MLA guidelines. Course is taught at MTHS.

### **English 2230 – American Literature to 1865**

One semester – 3 Semester Hour Credits (1 HS credit)

#### **Prerequisite: ENGL 1101**

This course explores major works in American literature through the mid-19th century. Readings are drawn from the Puritan Age, Colonial Period, Romantic Age and the Age of Realism.

**English 2218 - Readings in Later British Literature**

One semester – 3 Semester Hours Credits (1 HS credit)

**Prerequisite: ENGL 1101**

This is a survey course that examines representative works of literature from the late 18th century to the present. A variety of authors, genres and trends will be studied.

**COMM 115 – Fundamentals of Effective Speech**

One semester – 3 Semester Hour Credits (1 HS credit)

Students will learn the different types of speeches and how to prepare and present a good speech. Students will gain self-confidence by taking an active part in four speeches each nine weeks. This course is not considered to be an English course for college-prep requirements. This humanities course is recommended for college-prep students. Students who qualify for the College Credit Plus program will receive college credit from Southern State Community College. Course is taught at MTHS concurrently with Speech.

**SOCI 1170 – Introduction to Sociology**

One semester – 3 Semester Hour Credits (1 HS credit)

This course is a study of human society with emphasis in basic sociological concepts, principles and methods. Also included is the study of culture, socialization, nature of groups, deviance, sexuality and social inequalities. Course is offered every other year at MTHS.

**SOCI 1107 – Introduction to Diversity**

One semester – 3 Semester Hours Credit ( 1 HS credit)

This course focuses on the similarities and differences among racial, ethnic, cultural and minority populations in the United States. The goal of this course is to provide an introductory sociological perspective of diversity. Basic theories of race, ethnic, cultural and gender relations will be examined as well as the consequences of conflict, prejudice and discrimination in the United States. Course is offered every other year at MTHS

**PSYC 1110 – Principles of Psychology**

One semester – 3 Semester Hour Credits (1 HS credit).

This course is an overview of psychology as a science. The course considers different conceptualizations of psychology, neuro-physiological bases of behavior, perception, sensation, sleep and consciousness, human assessment, personality, psychological conflict, motivation and emotion, abnormal behavior, psychotherapy, social psychology, learning and memory. Course is offered every other year at MTHS.

**PHIL 1102 – Introduction to Western Philosophy**

One semester – 3 Semester Hour Credits (1 HS credit)

**Prerequisite: ENGL 1101. Course is offered every other year at MTHS**

This course is designed to acquaint students with the value and various methods of philosophically examining life experiences, as well as to acquaint them with the historical development of Western philosophy from the Greeks to the modern age. Students are required to read at least one primary work by a major Western philosopher as well as to write short philosophical papers. In addition, students will be encouraged to raise philosophical questions about knowledge, experience, value systems and so forth.

**CHEM 1120 – Introduction to Chemistry**

Two semesters – 5 Semester Hour Credits (1.67 HS credit)

This College Credit Plus course is taught in conjunction with the Chemistry class at Miami Trace High School. College credit from Southern State Community College will be granted at the end of the school year for the successful completion of the course.

**CSCI 1120- Computer Applications**

One semester- 4 Semester Hours Credits (1 HS Credit)

**Pre-requisite: Intro to Computer Applications with a C or better.**

Expands upon student familiarity with Microsoft Office 2013 by focusing on Excel, PowerPoint, and Access Database applications.

**CSCI 2218- Excel**

One semester-3 Semester Hours Credits (1 HS Credit)

**Pre-requisite: Honors Algebra 1 or higher with a C or better.**

An introduction to spreadsheet software to create, design, edit, and enhance spreadsheets and workbooks. Students will use formulas and functions in calculations, design and enhance charts, and secure and share data in preparation for the MOS Certification test.

# Sample Planning Sheet

The following area is to be used by you and your family to set a possible schedule for next year. There are eight 45 minute periods at Miami Trace High School plus one 30 minute period for lunch for a total of nine periods. Students and parents are urged to plan a sample schedule. The following is a sample of a freshman year schedule.

## Example

Semester 1	Period	Semester 2	Credits
CP English I	1	CP English I	1.0
Hon. Geometry	2	Hon. Geometry	1.0
CP Physical Science	3	CP Physical Science	1.0
Spanish I	4	Spanish I	1.0
Art (1/2)	5	Study Hall (0)	0.5
Lunch	6	Lunch	0.0
Physical Education (1/4)	7	Health	0.5
A.F.N.R	8	A.F.N.R	1.25
CP Comp. Soc. Studies	9	CP Comp. Soc. Studies	<u>1.0</u>
		<b>Total Credits</b>	<b>7.50</b>

## Your Proposed Schedule

Semester 1	Period	Semester 2	Credit
_____	1	_____	_____
_____	2	_____	_____
_____	3	_____	_____
_____	4	_____	_____
_____	5	_____	_____
_____	6	_____	_____
_____	7	_____	_____

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