

Program Planning Guide



Tallmadge High School

2016–2017 School Year

“TRADITION, VISION, EXCELLENCE”

Tallmadge High School

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Dear Tallmadge Students and Families,

The Program Planning Guide is designed to acquaint you with the numerous courses and program opportunities available at Tallmadge High School. The booklet is assembled with input from staff members and is developed to help guide you through your next four years.

The courses offered at Tallmadge High School are designed to meet the needs of all students. Whether your future plans include college, skilled work or the military, our program offerings will meet your needs.

As you plan for next year, take a serious look at your educational goals. Carefully evaluate what you have accomplished and what goals you still aspire to meet. Do not leave Tallmadge High School wishing you had done more or challenged yourself at a higher level.

I encourage parents to take an active role in the planning and selection of courses. Careful and thoughtful consideration should be given to selecting the most challenging path our curriculum offers.

Your decisions today affect your opportunities in the future.

Yours sincerely,

Michael Householder
Principal
Tallmadge High School

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The Tallmadge City School District does not discriminate on the basis of race, sex, or handicap in educational programs, activities, and employment practices, as required by Title IX of the Educational Amendments of 1972, and Sec. 504—Rehabilitation Act of 1973.

Graduation Requirements

| | Graduation Class 2017 | Graduation Classes of 2018 & Beyond |
|--------------------------------------|--|--|
| English | 4 credits | 4 credits |
| Math | 4 credits Must include 1 credit of Algebra II or the equivalent of Algebra II | 4 credits Must include 1 credit of Algebra II or the equivalent of Algebra II |
| Science | 3 credits Must include: 1 credit Physical Science 1 credit Biological Science 1 credit Advanced Science | 3 credits Must include: 1 credit Physical Science 1 credit Biological Science 1 credit Advanced Science |
| Social Studies | 4 credits World Studies-9 th American Studies (1877-1945)-10 th Participation Government-11 th Elective course may include American & World Studies (1945-present)-11 th or 12 th | 4 credits World Studies-9 th American Studies (1877-present)-10 th Participation Government-11 th Elective Social Studies course-12 th grade |
| Physical Education Health | 0.50 credit-Physical Education* 0.50 credit-Health | 0.50 credit-Physical Education* 0.50 credit-Health |
| Required Electives | 5 credits total Must include: 1 credit-Fine Arts In addition, one or any combination of Foreign Language, Business, Fine Arts, Career Tech, Family & Consumer Science, Technology or English, Math, Science & Social Studies not previously required | 5 credits total Must include: 1 credit-Fine Arts In addition, one or any combination of Foreign Language, Business, Fine Arts, Career Tech, Family & Consumer Science, Technology or English, Math, Science & Social Studies not previously required |
| Additional Requirements | Has met Financial Literacy requirement-Classes listed below | Has met Financial Literacy requirement-Classes listed below |
| Testing Requirements | Passage of All Five Parts of the Ohio Graduation Test | **End of Course exams (refer to website for specific requirements) |
| Total Credits Required | 26 | 26 |

**For the class of 2018 & Beyond: In addition students must meet one of the following three: 1. Earn a cumulative passing score on seven end-of-course exams. The scores will be set by the State Board of Education. 2. Earn a “remediation-free” score on a nationally recognized college admission exam such as ACT or SAT. The state of Ohio will pay for all 11th-grade students in the Class of 2018 and beyond to take the exam free of charge. 3. Earn a State Board of Education-approved, industry recognized credential or a state-issued license for practice in a career and achieve a score that demonstrates workforce readiness and employability on a job skills assessment.

Classes that include Financial Literacy component for Graduation requirement

- Business:** Business Concepts & Financial Literacy, Intro to Business, Software Technology I/II, Marketing Principles, Marketing Sales & Promotion, Business Management Principles, Technical Communications, Business Law/Finance, Accounting
- Family & Consumer Science:** Transitions, Healthy & Safe Foods, Child Development, Career Search, Personal Finance, Healthy Living/Weight Training, Intro to FCS, Principles of Foods, Global Foods, Nutrition & Wellness, Culinary Fundamentals, Career & College Readiness, Leadership & Community Engagement, Consumer Economics, Interior Design/Furnishings, Textiles/Construction
- Social Studies:** Economics

* Physical Education Waiver

Starting with the Class of 2014, students who have participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons, as defined in the Tallmadge High School handbook, while enrolled in grades 9 through 12, and as confirmed by the athletic director and school counselor, may be excused from the high school physical education requirement.

If a student does earn a PE waiver using the guidelines above a grade of "P" (passing) will be added to the student's transcript with .50 credit earned. The grade of "P" will not affect the grade point average. The student must still take the Health/Physical Education class in order to meet state requirements for Health education.

Grading Policy for Tallmadge High School (Grading scale beginning 2014-2015)

| Letter Grade | Percentage | Grade Points | Weighted for Honors Classes | Weighted for AP Classes |
|--------------|-------------|--------------|-----------------------------|-------------------------|
| A+ | 98.00-100.0 | 4.33 | 4.83 | 5.33 |
| A | 93.00-97.99 | 4.00 | 4.50 | 5.00 |
| A- | 90.00-92.99 | 3.67 | 4.17 | 4.67 |
| B+ | 87.00-89.99 | 3.33 | 3.83 | 4.33 |
| B | 83.00-86.99 | 3.00 | 3.50 | 4.00 |
| B- | 80.00-82.99 | 2.67 | 3.17 | 3.67 |
| C+ | 77.00-79.99 | 2.33 | 2.83 | 3.33 |
| C | 73.00-76.99 | 2.00 | 2.50 | 3.00 |
| C- | 70.00-72.99 | 1.67 | 2.17 | 2.67 |
| D+ | 67.00-69.99 | 1.33 | 1.33* | 1.33* |
| D | 63.00-66.99 | 1.00 | 1.00* | 1.00* |
| D- | 60.00-62.99 | 0.67 | 0.67* | 0.67* |

*D+, D and D- are not acceptable in AP and Honors courses; no additional weight will be granted.

Students will receive weighted grades for each Advanced Placement (AP) class and Honors Class taken.

| | | |
|--|-------------|--|
| Total credits required to graduate: | 26.0 | Recommended Curriculum for the Prospective College Student: |
| Sophomore standing benchmark: | 5.50 | 4 credits English, 4 credits Math, 3 credits Science, |
| Junior standing benchmark: | 12.5 | 3 credits Social Studies, 1 credit Fine Arts, |
| Senior standing benchmark: | 19.0 | 2-3 credits Foreign Language |

Earning Credit: Existing policy states that all students must pass the last nine week grading period or the exam in order to earn credit for a course.

Miscellaneous graduation information

- Starting with the 2014-2015 school year, any high school credit earned prior to ninth grade will be entered onto the student transcript. Grades and credit will show on the transcript, however these grades will not be included in the overall cumulative GPA. This policy is applicable to Tallmadge students and transfer students.
- By law, all students are required to be in attendance for the entire school day.
Exceptions: Career program or PSEO students.

Graduation Policy: To graduate from Tallmadge High School, final credits for the last semester must be awarded by Tallmadge High School. Transfer grades will be matched with existing courses at Tallmadge High School. Transfer students must meet the same requirements as all other students.

Valedictorian Status: To be a valedictorian, a student must have attended Tallmadge High School for three consecutive semesters prior to graduation.

Comparison of Diplomas with Honors Criteria

*Students need to fulfill all but one criterion
for any of the following Diplomas with Honors*

| Subject | High School Academic Diploma with Honors for Classes of 2011 and Beyond | Career-Technical Diploma with Honors for Classes of 2012 and Beyond |
|--|---|---|
| English | 4 units | 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 | 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 | 4 units, including two units of advanced science ** |
| Social Studies | 4 units | 4 units |
| Foreign Language | 3 units (must include at least 2 units for which credit is sought), i.e., 3 units of one language or 2 units each of two languages | N/A |
| Fine Arts | 1 unit | N/A |
| Electives | Not counted toward requirements | 4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit. |
| Grade Point Average | 3.5 on a 4.0 scale | 3.5 on a 4.0 scale |
| ACT/SAT Score [excluding scores from the writing sections]* | 27 ACT / 1210 SAT | 27 ACT / 1210 SAT |
| Additional Assessment | Not applicable | Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent |

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

½ unit physical
education**
½ unit health

½ unit in American history
½ unit in government

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

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

Student Course Load

All students are required to fill all 8 semester blocks for each school year. Administration and Counseling staff must approve any exceptions. While scheduling students should try to balance their course of study between academic core subjects and electives so that it remains manageable for the individual student. Each student's course of study should be planned in conjunction with the student's parents, teachers and school counselor.

Course Change Policy

Due to the block schedule format, students have limited times to request a change to the courses they have selected. When verification forms are distributed in the spring, students may ask for class changes with written request from a parent. Final class change requests must be made **no later than the third day of each semester**. Only educational reasons will be considered for allowing course changes. Changes *will not* be considered based upon instructor preference and *may not be accommodated* if class sizes do not allow additional students to be added to the requested course. The requested course change must be of equal or greater academic difficulty than the course being replaced.

Earning Credit

Every student must pass either the last grading period or the final exam to be eligible to receive credit for a course.

Earning High School Credit While in Middle School

Starting with the 2014-2015 school year, any high school credit earned prior to ninth grade will be entered onto the student transcript. Grades and credit will show on the transcript, however these grades will not be included in the overall cumulative GPA. This policy is applicable to Tallmadge students and transfer students.

Repeating a Course

Available by application only

With counselor, principal, and teacher approval a student may repeat a course they have previously passed or failed. The last grade will be recorded and used in computing grade point average. Courses may be repeated within one school year. Credit may be granted only once. Applications for course repeats are available in the Guidance Office.

Early Completion of High School

The high school administration, teaching and counseling staff feels that each student benefits educationally and socially from attending high school for four full years and taking a variety of courses. Any exceptions to this four year plan must be initiated with the student's school counselor.

Release of Confidential Information

Under Federal Law, "The Family Educational Rights and Privacy Act of 1974," schools must permit parents of students to inspect their children's records upon request and must not permit other persons or agencies not specified by the law to have access to student's records without written parental consent. These rights are granted to the students themselves if they are over the age of 18 years. Granting or denying access to records must be made within 45 days of the initial request.

High School Athletic Eligibility

According to the State of Ohio minimum requirements, students in grades 9, 10, 11 or 12 must be enrolled in the district during the grading period and receive passing grades during that grading period in subjects that earn a minimum of 5.0 credits per year towards graduation. In block scheduling a student must pass 3 or more blocks that have a sum total of 5.0 credits per year.

To be eligible a student must earn a 1.25 G.P.A. in the grading period prior to and during the athletic season. Eighth (8th) grade student athletes must pass 75% or more of their coursework during the last marking period to be eligible for high school fall sports. Post-secondary students must meet separate, specific guidelines.

Athletic Eligibility for College Freshmen- NCAA & NAIA Clearinghouses

It is the responsibility of the student and parent to educate themselves on eligibility requirements. There are a number of educational standards that must be met for athletic eligibility at the collegiate level; these include meeting core course requirements, minimum gpa benchmarks, and minimum ACT/SAT test scores. The following webinar provides wonderful information for students and parents. It is recommended that potential collegiate athletes start preparing their 9th grade year. <http://www.freerecruitingwebinar.org/>

Prospective collegiate athletes should register with the desired clearinghouse at the end of their junior year; NCAA- <http://www.eligibilitycenter.org> and NAIA <http://www.playnaia.org>. The cost is between \$65-\$70. Students must have their ACT and/or SAT scores sent directly to the clearinghouse; NCAA test code- 9999 and NAIA test code- 9876. In addition students must request a copy of their transcript.

EDUCATIONAL OPTIONS

I. Credit Recovery Options

- A. Summer School options
- B. Night School options
- C. Correspondence options

Credit Recovery options are used when a student has previously failed a course at Tallmadge High School. If a student is planning to take a class through another educational institution, the required "Course Repeat Form" must be obtained in the Counseling Department and returned to the student's School Counselor with signatures from the student and parent/guardian. Each class must be approved by the School Counselor and an Administrator *prior* to enrolling in the course.

II. Flex Credit Opportunities

Credit flexibility is a statewide plan offering opportunities for students to earn units of high school credit based upon the demonstration of subject area competency. Students may earn credit in the following ways:

- 1) Successfully completing traditional coursework
- 2) Testing out or otherwise showing mastery of the course content
- 3) Pursuing an educational option and/or individually approved option
- 4) Any combination of the above

Interested students and their parents are **required to attend one informational meeting** where the handbook and application(s) will be distributed. The credit flex handbook and meeting dates are available online at www.tallmadgeschools.org. Applications for students who intend to pursue a Credit Flex Option during the following school year will **not be accepted after March 31 of the previous school year**.

III. College Credit Plus

(Previously Post-Secondary Educational Options (PSEO) & Dual Enrollment (DE))

CCP replaces Ohio's Post-Secondary Enrollment Options program (PSEO) and all alternative dual enrollment programs previously governed by Ohio Revised Code Chapter 3365. Course work becomes a permanent record on the student's college transcript, as well as the high school transcript.

Eligibility: *All public districts and public institutions of higher education (IHE) must allow college-ready students, grades 7-12, who qualify for college admission to participate. We encourage students to take all required courses at Tallmadge High School and pursue only electives on the college campus. Using a CCP course to replace a THS requirement must be approved by a counselor. Students may enroll in no more than 30 credits per academic year.*

Kent State University: *Must take ACT by March 2016. Visit website for further updates*
<http://www.kent.edu/CCP>

The University of Akron: *Must take ACT by March 2016. Visit website for further updates*
<http://www.uakron.edu/ccp/>

Stark State College: *Must take ACT or COMPASS test. Visit website for further updates*
<http://www.starkstate.edu/collegecreditplus>

****PLEASE NOTE** Parents of students who intend to participate in College Credit Plus are required to attend the CCP Information Night on February 11, 2016 at 6:30 p.m.**

The student and parents must attend the meeting to sign a waiver form indicating that each party understands their obligation prior to March 30th for the approaching school year. High school and College Credit Plus classes must equate full time status. Students must file college applications by the college or universities printed deadlines.

2016-2017 THS on-campus college credit plus offerings:

Kent State University: *PHYS 13001* *General College Physics I* }
 PHYS 13021 *General College Physics Lab I* } taken together

Stark State College: ENG 124 College Composition
 ENG 237 American Lit: 1865-Present
 Failure to pass College Comp I requires removal from American Lit: 1865-Present.
 College Composition I is a pre-requisite to enroll in American Lit: 1865-Present.

MTH 125 College Algebra

Financial Obligation for College Credit Plus: The cost of the course and supplies will be covered by the district. If a student drops out of the university, withdraws from the course, or if they earn a failing grade, all costs revert to the student/parents.

Pathways: 15 & 30 hour pathways have been created to provide suggested courses for students at each of these institutions. Students should work closely with the school counselor and academic advisor to plan out college credit plus coursework.

Stark State College

15 credit pathway

| Course Name | Catalog Number | Credit Hours |
|-----------------------|----------------|--------------|
| Computer Applications | ITD122 | 3 |
| College Composition I | ENG124 | 3 |
| Ethics | PHL122 | 3 |
| College Algebra | MTH125 | 3 |
| General Psychology | PSY121 | 3 |
| | | 15 |

30 credit pathway (classes in 15 credit pathway plus classes below)

| Course Name | Catalog Number | Credit Hours |
|---|------------------|--------------|
| Statistics | MTH124 | 3 |
| American Literature | ENG237 | 3 |
| Political Science | PSC121 | 3 |
| World Civilization from 17 th Cent | HIS222 | 3 |
| Medical Terminology or Science, Energy & Environment | BIO125 or BIO126 | 3 or 4 |
| | | 30 or 31 |

The University of Akron

15 credit pathway

| Course Name | Department | Course # | Credit Hours |
|-------------------------------|------------|----------|--------------|
| Exploring Music: Bach to Rock | 7500 | 201 | 3 |
| English Composition I | 3300 | 111 | 3 |
| Basic Stats | 3470 | 260 | 3 |
| Gov't & Politics in the US | 3700 | 100 | 3 |
| Intro to Psychology | 3750 | 100 | 3 |
| | | | 15 |

30 credit pathway (classes in 15 credit pathway plus classes below)

| Course Name | Department | Course # | Credit Hours |
|------------------------------|------------|----------|--------------|
| Survey of Mass Communication | 7600 | 102 | 3 |
| English Composition II | 3300 | 112 | 3 |
| Principles of Microeconomics | 3250 | 200 | 3 |
| Intro to Geography | 3350 | 100 | 3 |
| Intro to Ethics | 3600 | 120 | 3 |
| | | | 30 |

Courses listed are offered in a number of capacities.

Kent State University

15 credit pathway

| Course Name | Catalog Number | Credit Hours |
|-----------------------------------|----------------|--------------|
| The Understanding of Music | MUS 22111 | 3 |
| College Writing I | ENG11011 | 3 |
| World History: Ancient & Medieval | HIST11050 | 3 |
| Introductory Statistics | MATH 10041 | 4 |
| General Psychology | PSYC21211 | 3 |
| | | 16 |

30 credit pathway (classes in 15 credit pathway plus classes below)

| Course Name | Catalog Number | Credit Hours |
|------------------------------|-----------------------|--------------|
| Physical Geography | GEOG21062 & GEOG21063 | 4 |
| Literature in the U.S. Pt 1 | ENG 25004 | 3 |
| Principles of Microeconomics | ECON22060 | 3 |
| Intro to Ethics | PHIL21001 | 3 |
| Intro to Human Communication | COMM15000 | 3 |
| | | 32 |

SPECIAL SERVICES OF THE COUNSELING DEPARTMENT

The Counseling staff is committed to providing a comprehensive, developmental program that meets the unique intellectual, physical, social and emotional needs of each student. We embrace a proactive approach to our students' counseling and guidance needs as well as responding to immediate problems and conflicts.

Services available:

- Individual counseling
- High school course selection and scheduling
- Career planning services
- Post-secondary education Information
- Parent/teacher conferences
- Testing and placement
- Coordination with community agencies
- Transcript and record-keeping activities
- Classroom presentations
- Group guidance

Confidentiality: The counseling office is a place a student or parent may come to discuss concerns confidentially. Confidentiality means that personal concerns will not be shared with others. However, counselors are required by law to contact other adults if a situation arises that puts a student or someone else in physical or emotional harm.

Online Tools

Naviance

Naviance is a phenomenal tool for both students and their parents to organize not only prospective colleges and their applications but to also explore careers and possible college majors. Students create accounts in the 9th grade during classroom guidance lessons. <http://connection.naviance.com/tallmadgehs>

Progress Book

Students and parents are encouraged to access Progress Book online at www.tallmadgeschools.org to follow academic progress.

Ohio Means Jobs

This online resource is available across the state of Ohio to assist students and parents in preparing for college and career planning: <https://jobseeker.k-12.ohiomeansjobs.monster.com/seeker.aspx>

Scholarships/Financial Aid:

The Tallmadge community is fortunate to have a strong local scholarship base. Scholarships are offered to Tallmadge High School graduates with funds coming from civic groups, social organizations and associations, memorials, and trusts. Seniors are encouraged to apply to the scholarship committee in March. A committee comprised of the high school principal, a member of the community, and a member of the ministerial association will review all applications and designate the winners to be announced on graduation day.

Any scholarship applications received by the Counseling Office will be posted on Naviance.

Additional financial aid links for students and parents:

Free application for Federal Student Aid: www.fafsa.gov

College Preparation Checklist: www.FederalStudentAid.ed.gov/collprep

Fastweb: www.fastweb.com

A Financial Aid meeting is held each fall to assist students and parents in the completion of financial aid forms. These forms are necessary for consideration for most scholarships.

SUPPORT SERVICES

OFFICE AIDES

0.50 Credit Awarded

One Semester Block

Prerequisite: By Application Only; Counselor/Administrator/School Secretary Signature Required

Limited positions are available by application only.

Office Aide may be selected only TWICE during your high school career.

Office aides will be placed in the main office, guidance office, and library. Students are required to be available to deliver messages and assist with various tasks throughout the period. This is a very responsible position and holds great expectations. Pass-Fail (P/F) grades will be awarded for this course and do not affect the student's GPA.

ENGLISH DEPARTMENT

| Grade Level | Course Title | Credits |
|-------------|-------------------------------------|-------------------|
| 9 | English 9 College Prep | 1.00 |
| 9 | Honors English 9 | 1.00 |
| 10 | English 10 College Prep | 1.00 |
| 10 | Honors English 10 | 1.00 |
| 11 | English 11 College Prep | 1.00 |
| 11 | Honors English 11 | 1.00 |
| 12 | English 12 College Prep | 1.00 |
| 12 | AP English Literature & Composition | 1.00 |
| 12 | CCP College Composition | 1.00 |
| 12 | CCP College American Literature | 1.00 |
| 9,10,11,12 | Newswriting | 1.00 |
| 10,11,12 | Journalism I & II | 1.00 per semester |
| 9,10,11,12 | Annual Staff I & II | 1.00 per semester |
| 9,10,11,12 | Speech | 1.00 |

ENGLISH 9 COLLEGE PREP 1.00 Credit

One Semester Block
Freshman Requirement

The focus of study in this class emphasizes comprehension of grade-level appropriate literature, and exploration and utilization of fundamental vocabulary, grammar, and writing including short, sustained MLA formatted research and assignments.

ENGLISH 10 COLLEGE PREP 1.00 Credit

One Semester Block
Prerequisite: English 9 College Prep

The focus of study in this class emphasizes comprehension and interpretation of grade-level appropriate works, both non-fiction readings and literature, and incorporation of relevant vocabulary, grammar, and writing which includes short, sustained MLA formatted research and assignments.

HONORS ENGLISH 9 1.00 Credit

One Semester Block
Prerequisite: Department Recommendation

In addition to skills covered in the corresponding CP course, the Honors English 9 curriculum emphasizes advanced comprehension and essential analysis of grade-level appropriate literature, introduction and utilization of grammar, writing (including an MLA formatted research paper) focused on organization and tone, and advanced grade-level vocabulary. The course focuses on the theme of analysis of different relationships and that affect on individual characters which the students will investigate through various reading genres and discussions.

HONORS ENGLISH 10 1.00 Credit

Prerequisite: Department Recommendation

In addition to skills covered in the corresponding CP course, the Honors English 10 curriculum emphasizes comparative analysis of grade-level appropriate literature, incorporation of proper grammar skills, writing including short, sustained MLA formatted research and assignments focused on development of expression and clarity, and advanced grade-level vocabulary. The course focuses on the theme of "The Individual in Society", which the students will examine through various reading genres and discussions.

ENGLISH 11 COLLEGE PREP 1.00 Credit*One Semester Block**Prerequisite: English 10 College Prep*

The focus of study in this class emphasizes analysis of grade-level appropriate literature, and demonstration of pertinent vocabulary, grammar, and writing including short, sustained MLA formatted research and assignments.

HONORS ENGLISH 11 1.00 Credit*Prerequisite: Department Recommendation*

In addition to skills covered in the corresponding CP course, the Honors English 11 curriculum emphasizes advanced analysis of grade-level appropriate literature, extensive study of grammar, writing including short, sustained MLA formatted research and assignments, focused on variety of sentence structure and thematic focus, and advanced grade-level vocabulary. The course focuses on the universality of literature, which the students will analyze through various reading genres and discussions.

ENGLISH 12 COLLEGE PREP 1.00 Credit*One Semester Block**Prerequisite: English 11 College Prep*

The focus of study in this class emphasizes analysis and evaluation of grade-level appropriate literature, advanced vocabulary, grammar, and writing, which includes short, sustained MLA formatted research and assignments.

AP ENGLISH LITERATURE & COMPOSITION**1.00 Credit***One Semester Block**Prerequisite: Department Permission**Fee: approx. \$94 AP Exam*

Students are required to take the Advanced Placement Exam in May. (Approx. Cost = \$90)

In addition to skills covered in the corresponding CP course, the AP English curriculum emphasizes college-level analysis of literature, intensive study of grammar, writing (including an MLA formatted research paper) focused on style, flair, and application, and advanced grade-level vocabulary. The course focuses on archetypal literary devices, and the use of literary theory and criticism to evaluate and synthesize various reading genres.

COLLEGE CREDIT PLUS**COLLEGE COMPOSITION I****1.00 Credit***One Semester Block**Prerequisite: English 11 CP**ACT English Test Score of 18**Compass Writing Test Score of 70*

***** Please refer to the College Credit Plus section of the Program Planning Guide (page 8) for information on the application process and deadlines.**

College Credit Plus College Composition I

This course emphasizes writing based on reading response with review of essay development, grammar, and punctuation. Emphasis is on the process of drafting, revising, and editing to achieve clarity. Students will be required to complete a research project utilizing an appropriate documentation style for the topic under investigation, whether MLA, APA, Chicago, or another standardized style. (3 college semester hours)

***College Composition I is a pre-requisite to enroll in American Lit: 1865-Present.

COLLEGE CREDIT PLUS**AMER LITERATURE: 1865-Present****1.00 Credit***One Semester Block**Prerequisite: Successful completion of**CCP College Composition I*

***** Please refer to the College Credit Plus section of the Program Planning Guide (page 8) for information on the application process and deadlines.**

College Credit Plus American Literature: 1865–Present

This course surveys American Literature from the mid- to late-nineteenth century to the present. Students will read, discuss, analyze, and write about works by American authors in their historical and cultural contexts. Emphasis will be placed on critical reading of the works and techniques used to analyze them.

(3 college semester hours)

| | |
|---|--|
| ANNUAL STAFF I ANNUAL STAFF II | 1.00 Credit per Semester Elective Credit Only |
|---|--|

*One Semester Block
Grades 9, 10, 11, 12*

*Prerequisite: Application & Teacher Recommendation
▶ Students must sign up for both semesters ◀*

The purpose of this course is to create a learning situation while providing a necessary school service. The student will be educated in the principles of journalism as well as the specific principles of yearbook. Major units of study will include theme packages, layout design, copy, headlines, photography, computer design, advertising, sales, and distribution. The goal of the course is to publish a quality yearbook. This course will count as an elective, but not toward the required 4 credits. Selling advertisements during the summer is required and counts as 50% of the student's first nine week grade. This course can be taken more than once.

| | |
|--------------------|--|
| NEWSWRITING | 1.00 Credit per Semester Elective Credit Only |
|--------------------|--|

*One Semester Block
Grades 9, 10, 11, 12*

Prerequisite: Teacher Recommendation

This course is designed to introduce students to all aspects of print media. Students will understand news, editorial, opinion, feature, and sports writing through study and practical experience. The course also includes a study of laws and ethics, interviewing, advertising, photography, editing, desktop publishing and layout/design. Students will write articles and design layouts for the newspaper.

| | |
|---------------------------------------|---|
| JOURNALISM I JOURNALISM II | 1.00 Credit each Semester Elective Credit Only |
|---------------------------------------|---|

*One Semester Block
Grades 9, 10, 11, 12*

Prerequisite: Newswriting – "C" Average or better

The purpose of this course is to finance, organize, and publish eight issues of *The Devils' Tale*, (school newspaper). Students will continue to advance their study of news, editorials, feature, and sports writing as well as headline writing, editing, photography, layout/design, desktop publishing, and advertising. It is recommended that students register for both Journalism I and Journalism II to assist in the continuity and quality of the publication. This course can be taken more than once.

| | |
|---------------|---|
| SPEECH | 1.00 Credit Elective Credit Only |
|---------------|---|

*One Semester Block
Grades 9, 10, 11, 12*

Prerequisite: None

This course is designed to provide an opportunity for students to study and participate in a general course of oral communication. It allows students to learn effective methods of communicating both their own ideas and those of others. The goals of the course are to emphasize the technical approach to oral communication, to develop an appreciation for listening, and to foster a feeling of ease when presenting material to a group.

MATHEMATICS DEPARTMENT

| Course Title | Credits |
|--|---------|
| Math Readiness | 1.00 |
| Integrated Algebra I | 1.00 |
| Integrated Geometry | 1.00 |
| Integrated Algebra II | 1.00 |
| Integrated Statistics | 1.00 |
| ALEKS | 1.00 |
| CP Algebra I | 1.00 |
| CP Geometry or Honors Geometry | 1.00 |
| CP Algebra II or Honors Algebra II | 1.00 |
| Advanced Algebra with Trigonometry or Honors Advanced Algebra with Trigonometry | 1.00 |
| Pre-Calculus or Honors Pre-Calculus | 1.00 |
| College Credit Plus College Algebra | 1.40 |
| AP Calculus AB | 1.00 |
| AP Calculus BC | 1.00 |
| Statistics & Probability | 1.00 |
| A.P. Statistics | 1.00 |

Recommended Sequence

*Students may move freely between sequences upon recommendation of teachers or requests of parents

Non-College Bound Sequence

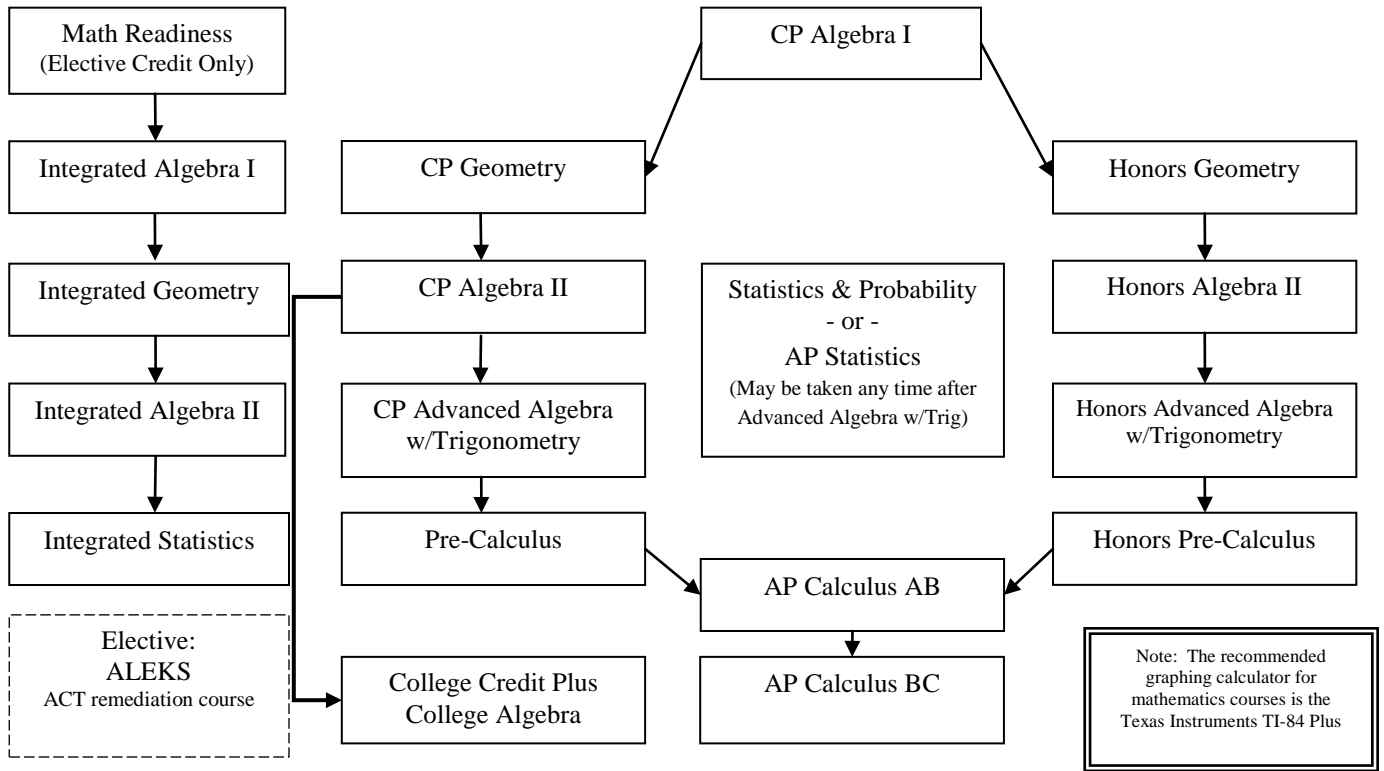
The 4 minimum math credits for graduation include:

Integrated Algebra I
 Integrated Geometry
 Integrated Algebra II
 Integrated Statistics

College Bound Sequence

The 4 minimum math credits for graduation include:

CP Algebra I or Honors Algebra I
 CP Geometry or Honors Geometry
 CP Algebra II or Honors Algebra II
 CP Advanced Algebra or Honors Advanced Algebra**
 **May be replaced by Statistics or AP Statistics



MATH READINESS 1.00 Elective Credit*One Semester Block**Prerequisite: Teacher Recommendation*

This course is for students who need to strengthen their Algebra foundation before advancing to the Algebra I curriculum. This course covers proportional reasoning and linear functions in their entirety. Systems of linear equations, exponent rules and quadratic functions are also covered, but at basic and intermediate levels.

INTERATED ALGEBRA 1 1.00 Credit*One Semester Block**Prerequisite: Math Readiness or Teacher Recommendation*

This course is intended for students who found difficulty with previous math concepts. Integrated classes cover the same current state standards as their college prep counterparts; however, the curriculum is at a more basic and/or intermediate level and progresses at a slower rate. Topics covered in this particular course include systems of equations and inequalities, inequalities, polynomials and their solutions, radical expressions, and quadratic and exponential functions.

INTEGRATED GEOMETRY 1.00 Credit*One Semester Block**Prerequisite: Integrated Algebra 1 or Teacher Recommendation*

This course is intended for students who found difficulty with previous math concepts. Integrated classes cover the same current state standards as their college prep counterparts; however, the curriculum is at a more basic and/or intermediate level and progresses at a slower rate. Topics covered in this particular course include the concepts that examine the studies of Euclidean geometry with a strong emphasis on algebra skills.

INTEGRATED ALGEBRA II 1.00 Credit*One Semester Block**Prerequisite: Integrated Algebra I, Integrated Geometry, or Teacher Recommendation*

This course is intended for students who found difficulty with previous math concepts. Integrated classes cover the same current state standards as their College Prep counterparts; however, the curriculum is at a more basic and/or intermediate level and progresses at a slower rate. With this particular course, students will further develop their algebra skills. Topics covered include linear, quadratic, exponential, and rational functions. The study of polynomials will be extended from the concepts introduced in the previous algebra course.

INTEGRATED STATISTICS 1.00 Credit*One Semester Block**Prerequisite: Integrated Algebra II****TI-84 Graphing calculator required***

This course features topic, techniques and activities that involve students with real data. Topics covered include exploratory data analysis with an emphasis on graphical techniques, elementary probability, simulation of random events, an introduction to random sampling, confidence intervals, normal distributions, standard deviation and hypothesis testing. Ohio math standards will also be reviewed.

ALEKS 1.00 Elective Credit*One Semester Block*

Assessment and **L**earning in **K**nowledge **S**paces is a web-based, artificially intelligent assessment and learning system. ALEKS uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a given mathematics course. ALEKS then instructs the student on the topics she is most ready to learn. As a student works through a course, ALEKS periodically reassesses the student to ensure that topics learned are also retained. ALEKS courses are very complete in their topic coverage. ALEKS avoids multiple-choice questions. ALEKS also provides the advantage of one-on-one instruction 24/7 from any web-based computer.

ALEKS is the ACT remediation course for students failing to meet the non-remediation cut-off score on the mathematics part of the ACT.

CP ALGEBRA I**1.00 Credit***One Semester Block**Prerequisite: Teacher Recommendation****TI-84 Graphing calculator required.***

This course forms the foundation for all subsequent college-bound math courses and will follow State and National Standards for content curriculum. Students will experience topics in numeric, symbolic, and graphic form that include inequalities, systems of equations and inequalities, polynomials, transformations, radical expressions and equations, and quadratic and exponential functions. Students will be expected to demonstrate mastery of the material using paper and pencil techniques and technology.

CP GEOMETRY**1.00 Credit***One Semester Block**Prerequisite: CP Algebra I****TI-84 Graphing calculator required.***

This course is designed for the college-bound student and will follow State and National Standards for content curriculum. Students will experience topics in numeric, symbolic and graphic form that include Euclidean Geometry with a strong emphasis on algebra skills. The course includes representing and solving problem situations, as well as using deductive formal proofs. Constructions using compass, protractor, straight edge and set square including rigid transformations will be presented. Other topics include similarity transformations, right triangle geometry, solid geometry, and the geometry of circles. Students are required to have a compass, ruler, and protractor. Students will be expected to demonstrate mastery of the material using paper and pencil techniques and technology.

HONORS GEOMETRY**1.00 Credit***One Semester Block**Prerequisite: CP Algebra I or Teacher Recommendation****TI-84 Graphing calculator required.***

This course is designed for the college-bound student in the honors math sequence. Topics covered include Euclidean Geometry with a strong emphasis on algebra skills. This course includes representing and solving problem situations, as well as using deductive formal proofs. Similar triangles coordinate geometry, right triangles and circles will also be covered. Emphasis will be placed on formal proofs of many geometry theorems and the relationship of these theorems to future math applications. The course will be conducted at an accelerated level with an emphasis on solving problems of a more complex nature. Students are required to have a graphing calculator, compass, straight edge and drawing triangle.

CP ALGEBRA II**1.00 Credit***One Semester Block**Prerequisite: CP Geometry****TI-84 Graphing calculator required.***

This course is designed for the college-bound student and will follow State and National Standards for content curriculum. Students will experience topics in numeric, symbolic and graphic form that include sequences and the connections to linear, exponential and logarithmic functions. The course also explores transformations of functions, matrices, and polynomials. Student will be expected to demonstrate mastery of the material using paper and pencil techniques and technology.

HONORS ALGEBRA II**1.00 Credit***One Semester Block**Prerequisite: Honors Geometry****TI-84 Graphing calculator required.***

This course is will be the final course of a student's high school Algebra experience. It is designed to prepare students for college level mathematics including pre-calculus and AP Calculus AB and BC. The course will explore properties of exponential, logarithmic, polynomial and rational functions. The course will also cover conic sections and trigonometry. The material will be presented at an accelerated pace and will explore more complex and difficult problems than those encountered in CP Algebra II.

ADVANCED ALGEBRA W/TRIGONOMETRY**1.00 Credit***One Semester Block**Prerequisite: CP Algebra II****TI-84 Graphing Calculator Required***

This course is designed to prepare students for college level mathematics and will follow State and National Standards for content curriculum. Students will experience topics in numeric, symbolic and graphic form that include properties of functions: exponential, logarithmic, polynomial and rational. Conic sections and trigonometry will also be covered. Students will be expected to demonstrate mastery of the material using paper and pencil techniques and technology.

HONORS ADVANCED ALGEBRA W/TRIG**1.00 Credit***One Semester Block**Prerequisite: Honors Algebra II or Teacher Recommendation****TI-84 Graphing Calculator Required***

This course will delve into sequences and the connections to linear, exponential and logarithmic functions. The course will also explore transformations of functions, matrices and polynomials in both a graphical and symbolic perspective. The material will be presented at an accelerated pace and focus on more complex and difficult problems.

PRE-CALCULUS**1.00 Credit***One Semester Block**Prerequisite: Advanced Algebra w/Trigonometry****TI-84 Graphing Calculator Required***

This course is designed for college-bound students in the Honors Math sequence. The intent is to prepare students for the study of calculus and beyond. Students will work with polar and parametric equations to represent problem situation. Other topics to be covered include: functions, trigonometric functions, identities, vectors, transformations, limits and derivatives. The material will be presented at an accelerated pace and will encompass more difficult and complex problems that the CP Pre-Calculus course.

HONORS PRE-CALCULUS 1.00 Credit*One Semester Block**Prerequisite: Honors Advanced Algebra w/Trigonometry or Teacher Recommendation***TI-84 Graphing Calculator Required**

This course is designed for college-bound students. The intent is to prepare students for the study of calculus. Students will work with polar and parametric equations to represent problem situations. Other topics to be covered include functions, trigonometric functions, identities, vectors, transformations, limits and derivatives.

AP CALCULUS AB 1.00 Credit*One Semester Block**Prerequisite: Pre-Calculus***TI-84 Graphing Calculator Required***Fee: approx. \$94 AP Exam***Students are required to take the Advanced Placement Exam in May.**

Calculus is the culmination of all the skills and concepts acquired in the previous years of mathematics. This course is taught following the guidelines of the Advanced Placement (AP) AB curriculum covering approximately the first one to one and one half (1-1½) semesters of a rigorous calculus course as taught at the college level. This course is intended for any student looking forward to attaining a Bachelor of Arts or Bachelor of Science degree at any school in the country and is structured to help them be very successful in their college math requirements. The topics covered include limits, derivatives, integrals, and applications of each of these in the areas of engineering, science, business, and economics. With a successful score on the AP Exam, students may be eligible for up to 5 semester hours of college credit for Calculus I at most schools.

AP CALCULUS BC 1.00 Credit*One Semester Block**Prerequisite: AP Calculus AB***TI-84 Graphing Calculator Required***Fee: approx. \$94 AP Exam***Students are required to take the Advanced Placement Exam in May.**

This course is intended for those students considering careers in engineering, math, or the sciences. The Calculus BC course emphasizes preparation for the BC Advanced Placement (AP) Test which covers the first two semesters (1st year) of a normal college calculus sequence. Students who pass the AP Exam will be well prepared to start second year calculus upon entering college. This course is very demanding and is equivalent to a second semester college level engineering Calculus II course. It will include as review all the topics in AP Calculus AB, the topics listed in the AP Calculus BC course description book including advanced integration, time series, calculus of parametric equations, polar equations, and vectors, as well as additional topics that may be needed for the students to be successful in subsequent college and engineering courses. With a successful score on the AP Calculus BC exam in early May, students may be eligible for up to 9 or 10 semester hours of college credit for Calculus I and Calculus II at most schools.

STATISTICS & PROBABILITY 1.00 Credit*One Semester Block**Prerequisite: CP Algebra II or Department Recommendation while currently enrolled in CP Algebra II***TI-84 Graphing Calculator Required**

This course is highly recommended for any student interested in a career in business, psychology, law, teaching, medical fields, research or the sciences. Statistics is the science of data and research. Topics include: organizing data, experimental design, simulation, probability, basic linear regression, and hypothesis testing.

AP STATISTICS 1.00 Credit*One Semester Block**Prerequisite: CP Algebra II***TI-84 Graphing Calculator Required***Fee: approx. \$94 AP Exam***Students are required to take the Advanced Placement Exam in May.**

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring data: describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

This course is highly recommended for any hard-working student interested in a career in business, psychology, law, teaching, medical fields, research or the sciences. A student taking this course has the opportunity to earn college credit after successfully passing the AP Exam.

COLLEGE CREDIT PLUS COLLEGE ALG 0.80 Credit*One Semester Block**Prerequisite: Advanced Algebra w/Trigonometry ACT Math Score of 22 or Compass Math Test Score of 54****** Please refer to the College Credit Plus section of the Program Planning Guide (page 8) for information on the application process and deadlines.****TI-84 Graphing Calculator Required**

College Algebra – Students will study linear, quadratic and absolute value equations and inequalities by applying analytical, graphical, and numerical methods of solution. Elementary functions and non-functions will be examined with reference to extrema, roots (zeros) and end-behavior of their respective graphs. Theory of equations including the Remainder and Factor Theorems, The Rational root Theorem, and Descartes' Rule of Signs will be used for non-graphical analysis of polynomial functions of degree n . The student will also study exponential and logarithmic functions on the conic sections including their graphs and applications. Systems of equations will be solved by traditional algebraic methods as well as by the application of matrix algebra including determinants. These methods will be extended to include the partial fraction decomposition of rational expressions. (4 college semester hours)

SCIENCE DEPARTMENT

| Grade | Course Title | | Credits |
|------------|-----------------------------|--------------------|---------|
| 9 | Physical Science | Physical Science | 1.00 |
| 9 | Honors Physical Science | Physical Science | 1.00 |
| 9,10,11,12 | Fundamentals of Biology | Biological Science | 1.00 |
| 9,10,11,12 | Topics in Biology I | Biological Science | 1.00 |
| 10 | Honors Biology | Biological Science | 1.00 |
| 10,11,12 | Topics in Biology II | Biological Science | 1.00 |
| 11, 12 | AP Biology | Biological Science | 1.00 |
| 10,11,12 | Anatomy & Physiology | Biological Science | 1.00 |
| 11, 12 | Biotechnical Engineering | Biological Science | 1.00 |
| 10,11,12 | Chemistry | Physical Science | 1.00 |
| 11, 12 | Honors Chemistry | Physical Science | 1.00 |
| 11, 12 | AP Chemistry | Physical Science | 1.00 |
| 11,12 | Physics | Physical Science | 1.00 |
| 11,12 | College Credit Plus Physics | Physical Science | 1.00 |
| 10,11,12 | Environmental Science | Biological Science | 1.00 |
| 10,11,12 | Geology | Earth Science | 1.00 |

Graduation Requirement:

All Tallmadge High School students must have a minimum of three (3) credits of science, including: one (1) credit of Physical Science, one (1) credit of Biology and one (1) credit of any of the other science courses offered.

Course Progression for Science

| Grade | Course Title | Credits |
|-------|---|---------|
| 9 | Physical Science or Honors Physical Science | 1.00 |
| 9,10 | Topics in Biology I, Honors Biology, or Fundamentals of Biology | 1.00 |

After completion of Topics in Biology I or Fundamentals of Biology, students may choose from the following elective courses worth 1.00 credit each:

| | | |
|-----------------------|----------------------|--------------------------|
| Geology | Chemistry | Biotechnical Engineering |
| Environmental Ecology | Honors Chemistry | Physics |
| Topics in Biology II | AP Chemistry | Dual-Enrollment Physics |
| AP Biology | Anatomy & Physiology | |

Honors Diploma: One (1) Chemistry and one (1) Physics course are required

Students interested in pursuing careers in the sciences are encouraged to look at post-secondary course requirements online. For example, at Kent State University, a biology degree requires additional college-level courses in chemistry and physics in addition to biology courses. College-bound students interested in a degree in science, engineering, or medical professions should select one or more of the following:

| | | | | |
|--------------|----------------------------|------------|-------------------------|-----------------------------|
| AP Chemistry | Dual-Enrollment Physics | AP Biology | Anatomy & Physiology | Biotechnical Engineering |
|--------------|----------------------------|------------|-------------------------|-----------------------------|

PHYSICAL SCIENCE **1.00 Credit**
State of Ohio Physical Science Credit

One Semester Block
Required for all 9th Grade Students

This course is crucial for a successful transition into chemistry, physics and engineering courses. Physical Science is a rigorous course which builds on content learned in the Middle School to include the use of calculations in the application of motion, forces and Newton's Laws, energy and heat, and the electromagnetic spectrum. Concepts in chemistry, such as atomic structure, chemical bonding, writing chemical equations, and naming chemical compounds will be explored. Students will build a strong foundation in the physical sciences as they will be expected to use higher order thinking to apply what they have learned to new problems as well as using written communication skills to fully explain natural phenomena. This course covers the student outcomes on any mandatory, Ohio standardized tests.

HONORS PHYSICAL SCIENCE **1.00 Credit**
State of Ohio Physical Science Credit

One Semester Block
Prerequisite: Teacher Recommendation
"A /B" grade in 8th grade Algebra & Science
Or – "A" grades in Math & Science
The science pre-test is not required at this time.

This advanced course is designed for eligible students who desire an in-depth study of physical science. This course covers the same content as Physical Science but at a higher level. Students must be able to work at a fast pace and be willing to work outside of class beyond daily assignments. Students will be expected to perform algebraic calculations and use dimensional analysis. Approximately half of the course will address chemistry-related topics such as matter, energy, chemical bonding, elements, and chemical reactions. The second half of the course will deal with physics-related topics such as force, work, motion, heat, sound, and light. A variety of laboratory experiments will enhance the student's learning opportunities. This course is strongly recommended for students interested in taking other upper-level, Honors or Advanced Placement science courses in the future.

TOPICS IN BIOLOGY I **1.00 Credit**

One Semester Block
Prerequisite: Physical Science

This initial, college-prep course in biological sciences offers an introduction to many of the essential concepts necessary to understand living organisms. Some of the major themes examined include basics in classification, biochemistry, cell structure and function, patterns of inheritance (with special emphasis on the molecular basis), ecology and evolution. This course or Honors Biology is a prerequisite for Topics in Biology II. By teacher recommendation, freshmen may take Biology during the second semester after successful completion of Physical Science during the first semester.

FUNDAMENTALS OF BIOLOGY **1.00 Credit**

One Semester Block
Prerequisite: Physical Science
and Teacher Recommendation ONLY

This course is designed to give students an overview of biological concepts. Students will explore most of the same material as in Topics in Biology I such as biochemistry, cell structure and function, photosynthesis, cellular respiration, genetics, evolution and ecology. A real world connection to biology is made through laboratory activities, simulations and classroom discussions.

HONORS BIOLOGY **1.00 Credit**

One Semester Block
Prerequisite: Physical Science, sophomore standing, and Teacher recommendation

This course in biological sciences offers an in-depth exploration of the essential concepts necessary to understand living systems. This course covers all of the same content as Topics in Biology but at a higher level. Some of the major theses examined include classification, biochemistry, cell structure and function, the molecular basis of inheritance, ecology and evolution. This course includes independent investigations and laboratory work that will build a strong foundation for future biology courses. Honors Biology is recommended for advanced sophomores and those interested in biology-related careers as well as students planning on taking upper level biology courses during high school.

TOPICS IN BIOLOGY II **1.00 Credit**

One Semester Block
Prerequisite: Topics in Biology I

This course is an application of many of the concepts introduced in Biology I. Students will become aware of specific features of the six kingdoms of living things. Special emphasis will be placed upon the discovery and description of characteristics observed in plants and animals. Many investigative activities (including laboratories involving live and preserved organisms) will enhance student understanding of the fascinating variety of organisms that populate the planet. This course is strongly recommended as preparation for **Anatomy and Physiology**.

AP BIOLOGY **1.00 Credit**

One Semester Block
Prerequisite: Biology I and Chemistry I
Fee: approx. \$94 AP Exam

AP Biology is a rigorous and demanding course, which is the equivalent of an introductory college biology course. Content will be covered in more depth and greater expectations will be placed on interpretation and analysis of information than previous biology courses. In addition, statistical analysis of data and modeling of concepts will be expected. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time. All students are required to take the AP Biology test in May.

ANATOMY & PHYSIOLOGY **1.00 Credit***One Semester Block**Prerequisite: Topics in Biology I and Chemistry, and Teacher Recommendation*

This course is designed for those students considering careers in science, biology, medicine, or any health-related field (physical therapy, nursing, sports medicine, etc.). However, it would also be appropriate for any college-bound junior or senior interested in thoroughly preparing for the future. Topics covered include biochemistry, endocrinology, cells, human anatomy and human physiology. The teaching format consists of a mixture of lecture and lab (dissection, microscope work, and experiments). **Successful completion of Topics in Biology II is strongly recommended.**

ENVIRONMENTAL SCIENCE **1.00 Credit***One Semester Block**Prerequisite: Topics in Biology I*

This class will focus on exploring how humans are impacting our environment and how we can alter the success of the ecosystem. Through a variety of activities, students examine how all organisms in including plants, animals, fungus, etc. interact within an ecosystem and how each of those organism groups are vitally important to the ecosystem functioning. The goal will be for students to become a more environmentally aware citizen through outdoor labs, field trips, and projects.

GEOLOGY **1.00 Credit***One Semester Block**Prerequisite: Topics in Biology I*

This course is the study of the earth and the processes which shape it. Students will learn an overview of plate tectonics, volcanism, earthquakes, mountain building, glaciers, weathering, erosion, soil, origin of rocks and minerals, as well as water and energy resources. Hands-on activities, interpretation of earth processes from geological data, outdoor labs and virtual field trips are used to reinforce the topics covered. Understanding the dynamic and evolving nature of the planet is the overall goal of this course.

CHEMISTRY **1.00 Credit***One Semester Block**Prerequisites: Algebra I – Part 2 and Topics in Biology I*

Chemistry is the study of matter, energy, and their interaction. Topics covered include atomic structure, chemical bonding, chemical composition, chemical equations, phases of matter, solutions, acids and bases, reaction kinetics, and oxidation-reduction. These topics are discussed in class and investigated in the laboratory. This course is required for the Honors Diploma. This course is *strongly recommended* for college-bound students.

HONORS CHEMISTRY **1.00 Credit***One Semester Block**Prerequisites: Algebra I – Part 2 and Topics in Biology I*

This course is recommended as a prerequisite for AP Chemistry. Honors Chemistry is strongly recommended for students considering careers in the sciences, mathematics or engineering. The course will cover topics that will be included in the AP Chemistry test. Chemistry is the study of matter and energy and their interactions. Topics include: chemical foundations, atomic structure, naming simple compounds, stoichiometry, acid-base reactions, precipitation reactions, oxidation reactions, gas laws, atomic structure, periodic trends and thermochemistry. These topics are present as lectures and lab work.

AP CHEMISTRY **1.00 Credit***One Semester Block**Prerequisite: Honors Chemistry or Teacher Recommendation*
Fee: approx. \$94 AP Exam

This course is an advanced level chemistry course designed for students considering careers in the sciences, mathematics, health field, or engineering. The course will follow the Advanced Placement (AP) syllabus described by the College Board. Topics covered include matter, atomic structure, gas laws, chemical bonding, rates of reactions, solutions, acids and bases, electrochemistry, and thermodynamics. This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For some students, this course will enable them to undertake, as freshmen in college, second-year work in the chemistry sequence at their institution or to register for courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. All students are required to take the AP Chemistry test in May.

PHYSICS**1.00 Credit***One Semester Block**Prerequisite: Algebra II, Juniors & Seniors Only*

This course is designed to provide a fundamental knowledge in physics, and to prepare students for a first course in college physics. Topics covered are: linear and projectile motion, forces and Newton's Laws, energy, momentum, rotational motion and equilibrium. Laboratory investigation and problem solving are emphasized. This course is designed for juniors and seniors. This course is required for the Honors Diploma.

COLLEGE CREDIT PLUS PHYSICS 1.00 Credit*One Semester Block**Prerequisites: Teacher Permission**(Application Required)**Physical Science and Algebra III*

***** Please refer to the College Credit Plus section of the Program Planning Guide (page 8) for information on the application process and deadlines.**

This is a College Credit Plus course, in cooperation with Kent State University. Students receive one credit at Tallmadge High School, and five credit hours from Kent State. Students **must** attend a PSEO meeting and enroll at Kent State University as a post-secondary student. This course differs from Physics I, with more content, slightly greater difficulty, and a faster pace. In addition to the content in Physics I, this course covers fluids, thermodynamics, simple harmonic motion, and sound. Laboratory investigation, problem-solving, and individual effort are emphasized. This course is designed for seniors and advanced juniors. (5 college semester hours)

BIOTECHNICAL ENGINEERING**1.00 Credit***One Semester Block**Prerequisite: Topics in Biology I**Approval of Instructor*

The major focus of the Biotechnical Engineering (BE) course is to expose students to the diverse fields of biotechnology including: biomedical engineering, molecular genetics, bioethics, forensics, and agricultural and environmental engineering. Lessons engage students in lab activities and engineering design problems that can be accomplished in a high school setting.

SOCIAL STUDIES DEPARTMENT

When you leave high school, you will be old enough to vote and become an active United States Citizen. To prepare for accepting that responsibility and to broaden understanding of the world around you, a strong background in the social sciences is essential for students who live in the 21st century.

You are encouraged to select the courses that reflect your interest in attending college or pursuing alternative educational pathways. *Consider the proper course level that corresponds to your abilities. Parents should assist you in selecting courses that will prepare you for the future.*

| Grade Level | Course Title | Credits |
|-------------|--|---------|
| 9 | World Studies 1750 to Present | 1.00 |
| 10 | American Studies 1877- Present | 1.00 |
| 10 | Honors U.S. History | 1.00 |
| 10 | AP United States History | 1.00 |
| 11 | Participation Government | 1.00 |
| 11 | AP United States Government & Politics | 1.00 |
| 11, 12 | Criminal Justice and Law | 1.00 |
| 11, 12 | Economics | 1.00 |
| 11, 12 | Human Behavior | 1.00 |
| 11, 12 | AP Psychology | 1.00 |

*** Students must take four (4) credits of social studies for graduation.**

Required courses include:

9th grade: World Studies 1750 to Present

10th grade: American Studies 1877-Pres – **or** – Honors US History *and* AP US History

11th grade: Participation Government – **or** – AP United States Government & Politics

12th grade – Class of 2018 & beyond: Human Behavior, Economics, Criminal Justice or AP Psychology

World Studies, American Studies, and Government all must be scheduled in the year noted above. One elective course **MUST** be taken in the senior year even if an elective was scheduled in the junior year.

** Please note that some electives are linked in pairs and must be taken together in one semester block.*

WORLD STUDIES (1750-Present) 1.00 Credit

*This course is required for all freshmen.
One Semester Block*

This course covers the time period from the Enlightenment (1750) through the Cold War Era (1990). Units presented include: the Enlightenment, the emergence of modern nation-states, the French Revolution, the Napoleonic Era, the Industrial Revolution, the Age of Imperialism and the resulting conflicts of the 20th Century. There will be an emphasis on social studies skills and methods designed to prepare students for state mandated tests to be taken in American Studies and Government.

AMERICAN STUDIES (1877-1945) 1.00 Credit

*This course is required for all sophomores.
One Semester Block
Prerequisite: World Studies*

The second half of American History has impacted our American perceptions, culture, technology, economics, personal points of reference, and political developments more than any other period in our history. Picking up where you left off in 8th grade American History, you will learn about the times in which your grandparents and great-grandparents grew up by investigating post-Civil War Reconstruction, westward expansion, industrialization, immigration, unions, the Progressive Era, expansion into world affairs, the "Roaring Twenties", the Great Depression and the Two World Wars. Re-live the 50's, rock and roll, the McCarthy years, the Cold War, The New Frontier, Vietnam, civil rights, The Great Society, terrorism, presidential assassinations and attempted assassinations, and other significant political, economic, religious, social, and cultural events. Explore the major events that occurred during these years and the impact that they have had on where we find ourselves as Americans at the beginning of the 21st century.

**HONORS UNITED STATES HISTORY
(Pre-Colonial to Reconstruction)****Weighted Grade 1.00 Credit**

*Sophomores only
One Semester Block
Prerequisite: World Studies (1750 - Present) and
Department Recommendation**

** You must attend a mandatory informational meeting before registering for this course. You must also have a recommendation from your 9th grade teacher. You may be asked to submit a writing sample or answer sample test questions.*

**Offered 1st semester only
Must be taken in conjunction with
2nd semester AP United States History**

Honors U.S. History fulfills your sophomore social studies requirement and is taught only in the first semester. This style course follows the AP suggested syllabus and curriculum to prepare students to read history critically and to write concisely. Strong reading and writing skills are highly recommended for this course. Expectations and demands are challenging but provide outstanding preparation for further high school and college study. Students prepare to take the national AP U.S. History exam given in May each year. If you are currently an "A" student or a student who wishes to push to excel, we highly recommend selection of this course.

You must take 2nd semester AP U.S. History to qualify for AP designation and credit.

**AP UNITED STATES HISTORY
(Post-Reconstruction to 1999)****Weighted Grade 1.00 Credit**

*Sophomores only
One Semester Block
Fee: approx. \$94 AP Exam
Prerequisite: Successful 1st semester completion of
Honors U.S. History with a "C" or better*

**Offered 2nd semester only
Must be taken in sequence with 1st semester
Honors United States History
This is the only AP course available to sophomores**

This is the only AP course available to sophomores. This AP U.S. History course fulfills your junior year social studies requirement a year early, opening the opportunity for you to take elective classes during your junior year. It continues the AP syllabus and curriculum begun in the first semester Honors U.S. History course, and prepares you to take the AP United States History Exam in early May. Expectations and demands are challenging but provide outstanding preparation for further high school or college study. AP course designation and weighted grade awarded upon successful completion of this portion of the two-semester course with at least "C".

You will be required to take the AP United States History Exam in May.

PARTICIPATION GOVERNMENT 1.00 Credit

This course is required for all Juniors.

One Semester Block

Prerequisite: Junior Status

This course is required for juniors. It focuses on what you need to understand in the American political process and who the “players” are at all levels of government: city, county, state and federal. The vitality and drama of politics and decision-making is experienced through case studies involving typical citizens and their leaders. You’ll learn practical information needed to successfully function in the political world in which you will be participating as a voting citizen at eighteen years of age. Participatory activities include attending City Council and Board of Education meetings.

Ten (10) hours of community service is required for this course.

AP UNITED STATES GOVERNMENT & POLITICS 1.00 Credit

This course may be substituted for Participation Government.

One Semester Block

Prerequisite: Junior Status

Fee: approx. \$94 AP Exam

You must also have a recommendation from your 10th or 11th grade teacher. You may be asked to submit a writing sample or answer sample test questions.

This course is highly recommended for students with above-average reading and comprehension skills who intend to go on to earn a four-year college degree. Reading requirements are at college level. This course will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Students should become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Topics covered include the Presidency, political bureaucracy, Supreme Court case decisions, Congress, the election process, news media influence and an in-depth analysis of the Constitution. Students will be actively involved in the political process through activities designed to make them better citizens. Supplemental reading assignments are in addition to text readings.

Ten (10) hours of community service is required for this course.

You will be required to take the AP Government Exam in May.

CRIMINAL JUSTICE & LAW 1.00 Credit

One Semester Block

Prerequisite: Junior or Senior Status

Do cop shows and courtroom dramas interest you? Ever wonder if TV and the movies are consistent with what happens in the real world? Do you know what your individual rights and liberties are? Do you know how the criminal law and juvenile justice system works? This elective class is designed to cover the organization of the United States legal system. Local officials and experts will be brought in the supplement classroom work. Become a knowledgeable citizen!

ECONOMICS 1.00 Credit

One Semester Block

Prerequisite: Junior or Senior Status

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. Because economics is something in which we all participate daily, all students can benefit from this course and its real-world applications.

HUMAN BEHAVIOR 1.00 Credit

One Semester Block

Prerequisite: Junior or Senior Status

This course is designed to give students a broad overview of the study of psychology and sociology. The student will be introduced to important concepts, principles, terms, and theories. In psychology, emphasis will be placed on human development, intelligence, personality, emotions, and motivations in an attempt to obtain a better understanding of the individual. In sociology, students will learn about social interaction and differences in societies and cultures.

This course is highly recommended for those who plan to pursue careers in psychology, education, law, medicine, business, social work, etc.

AP PSYCHOLOGY 1.00 Credit

One Semester Block

Prerequisite: Junior or Senior Status

Fee: approx. \$94 AP Exam

AP Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This is a challenging and rigorous academic curriculum that requires strong reading and writing skills. There will be college-level supplemental readings in addition to the textbook and a summer reading assignment. A weighted grade is awarded upon successful completion of this course.

You will be required to take the AP Psychology Exam in May.

PHYSICAL EDUCATION and HEALTH

| Grade Level | Course Title | Credits |
|---------------|--------------------------------------|-------------|
| 9, 10, 11, 12 | Physical Education | .25 |
| 9, 10, 11, 12 | Health | .50 |
| 9, 10, 11, 12 | Advanced Health/Health Careers | 1.00 |
| 9, 10, 11, 12 | Wellness Training | .50 |
| 10, 11, 12 | Weight Training/Nutrition & Wellness | 0.25 + 0.50 |

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| PHYSICAL EDUCATION | 0.25 Credit |
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Nine-week course

Physical education is a required course for graduation. Students must meet each school day for nine weeks. Dress includes shoes, socks, appropriate shirt and gym shorts. Students may wear a warm-up suit if desired. Activities include flag football, volleyball, basketball, badminton, ping pong, team handball, golf, softball, whiffle ball, weight lifting, physical fitness, floor hockey, soccer.

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| HEALTH | 0.50 Credit |
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Nine-week course

This is a nine-week course required for graduation. The aim of the Health Education Department is to encourage and guide all students to understand interrelationships which contribute to the development of their physical, mental, and social well-being.

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| WELLNESS TRAINING | 0.50 Credit |
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One Semester Block

Prerequisite Recommended: Physical Education
This is an elective class which may substitute for one required physical education class. Wellness training will meet daily and students are required to wear appropriate clothing (shoes, socks, shirt, and gym shorts). Major areas of concentration include: 1) flexibility; 2) strength; 3) endurance; 4) speed; 5) agility; 6) footwork; 7) cardiovascular improvement and 8) leisure studies.

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| ADV HEALTH / HEALTH CAREERS | 1.00 Credit |
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One Semester Block

Pre-requisite: Health

This class will be looking at health careers in today's society, what those careers entail and how students might peruse those careers. The class will also be covering current health topics. Classroom activities for the class will include meeting and shadowing professionals in the health care field, exploring the Health Careers program, and postsecondary education options in the health care field.

| | |
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| WEIGHT TRAINING | 0.25 Credit |
| Linked with | |
| NUTRITION & WELLNESS | 0.50 Credit |
| | 0.75 Credit Total |

One Semester Block – Courses meet on alternating days

Pre-requisite: Intro to FCS, Principals of Global Foods, or Healthy & Safe Foods

Weight Training

This is an elective class for grades 10,11,12. This course may substitute for one required physical education class. Weight training will meet every other day and students are required to wear appropriate clothing (shoes, socks, shirt, and gym shorts.) Major areas of concentration include: flexibility, strength, endurance, speed, agility, footwork, and cardiovascular improvement

Nutrition & Wellness (Family & Consumer Sciences Dept)

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.

*This class meets the financial literacy graduation requirement.

Career Connections: Students interested in careers in the food industry or health/wellness will benefit from this course along with anyone planning to cook for friends, family or self. **Related Careers:** Registered Dietitian, nutritionist, Sports Nutritionist, Nurse, Pediatrician, Family Physician, Public Health Case Manager, nutritional Science Researcher, Sustainable Farmer, Food Anthropologist, and Restaurant Entrepreneur.

FOREIGN LANGUAGE DEPARTMENT

| Grade Level | Course Title | Credit |
|-------------|-------------------------------|--------|
| 9,10,11,12 | French I* | 1.00 |
| 9,10,11,12 | French II | 1.00 |
| 10,11,12 | French III | 1.00 |
| 10,11,12 | French IV | 1.00 |
| 10, 11 12 | AP French Language & Culture | 1.00 |
| 9,10,11,12 | Spanish I* | 1.00 |
| 9,10,11,12 | Spanish II | 1.00 |
| 10,11,12 | Spanish III | 1.00 |
| 10,11,12 | Spanish IV | 1.00 |
| 10,11,12 | AP Spanish Language & Culture | 1.00 |

**It is highly recommended that students signing up for a first year foreign language have a Grade of "C" or better in English; however, 9th graders who have a "C" in English should consider postponing their foreign language study until their sophomore year.*

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| FRENCH I | 1.00 Credit |
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Prerequisite: Grade of "C" or better in English

This course is designed to give the student a basic, fundamental knowledge of the French language and the people who speak it. Students learn to express themselves and comprehend in the present and future. Topics include: school, sports and activities, family, friends, weather, the café, foods, and more. There is a focus on asking questions and expressing feelings and opinions. Students become familiar with the culture of France and French-speaking countries. Reading, writing, speaking, and comprehension skills are equally stressed and developed.

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| FRENCH III | 1.00 Credit |
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Prerequisite: French II (Grade of "C" or better)

This course continues to build vocabulary, but focuses on verb tenses. The students learn to express themselves in the present, past, future, conditional, and more! Students use their creativity throughout the semester on projects done individually or with partners. By the end, the students have a portfolio full of creative writings showcasing their knowledge of the different tenses or grammar points. Students also continue to learn about the cultures of French-speaking countries. It is required that students have a French/English dictionary or a smart phone.

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| FRENCH II | 1.00 Credit |
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Prerequisite: French I (Grade of "C" or better)

This course continues to build basic fundamental knowledge of the French language and the people who speak it. Students continue to use the present and future tenses, but add on being able to express themselves and understand in the past tense. Topics include clothing, daily activities, vacation, asking for/giving instructions and expressing feelings and opinions. Students become more familiar with the culture of France and French-speaking countries. Reading, writing, speaking, and listening skills are still equally stressed and developed.

| | |
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| FRENCH IV | 1.00 Credit |
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Prerequisite: French III (Grade of "C" or better)

This course continues to develop strong reading, writing, listening, and speaking skills. Reading skills are improved through French novels, short stories, and current events in the news. There is an emphasis on being able to discuss what has been read, express opinions, and participate in group discussions. Verb tenses and complex grammar structures are reviewed and more are introduced. The fee will buy the students their own copy of the French novel so that they can write in it and keep it. Students are required to have a French/English dictionary or a smart phone. French is the language of the classroom.

AP French Language & Culture 1.00 Credit

Prerequisite: French IV (Grade of "B" or better)
Fee: approx. \$94 AP Exam

AP French Language and Culture is a college-level course intended for students in their fifth year of study of French. Students who enroll in this course should already have a good command of grammar and be able to read, write, listen, and speak French. AP students will fine-tune these skills and increase vocabulary within a meaningful study of six themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. The students must be able to handle a course conducted entirely in French and be willing to commit the time necessary to prepare for active participation in the classroom. English is only used for occasional translations, clarification of grammatical structures, or reading of AP test instructions. Students will take the AP test in the spring. **You will be required to take the AP French Language & Culture Exam in May.**

SPANISH I 1.00 Credit

Prerequisite: Grade of "C" or better in English

This course is designed to give the student a basic, fundamental knowledge of the Spanish language and the people who speak it. Reading, writing, speaking, and listening skills are equally stressed and developed with a concentration in the present tense. Fundamental grammatical structures are presented through culturally thematic chapters. Topics include family and friends, personal interests, school, foods, sports and weather. There is a study of the cultures of Spanish speaking countries.

SPANISH II 1.00 Credit

Prerequisite: Spanish I - Grade of "C" or better

This course continues to provide the study of grammar and vocabulary while further developing the reading, writing, speaking, and listening skills previously acquired. Classroom conversations, compositions, and supplemental exercises for verbal and written practice are employed. Students are encouraged to use their developing language abilities. There is a study of the cultures of Spanish speaking countries and a unique semester-long food project allowing the students to experience and research Hispanic cuisine..

SPANISH III 1.00 Credit

Prerequisite: Spanish II or its equivalent

This course reinforces the skills and concepts previously acquired and continues building on the fundamental grammar. Reading, composition, and verbal communication skills are emphasized. Spanish culture and civilization are explored through research and authentic Hispanic literary texts. These selected works of Spanish literature are read and discussed. Spanish is the language of the classroom. Students are highly encouraged to have a Spanish/English dictionary or a device of some kind to use an online dictionary.

SPANISH IV 1.00 Credit

Prerequisite: Spanish III or its equivalent

This course reviews and reinforces all skills and grammar previously learned. Expansion of the Spanish vocabulary as well as complex grammar structures is the goal. The emphasis is on reading, verbal expression, composition and presentation with preparation for college study in mind. Selected literary works including short stories, novels, poetry, and drama of Spain and Latin America are read, discussed and compared. Culture and civilization are also intertwined throughout the course. Spanish is the language of the classroom. Students are required to have a Spanish/English dictionary or a device of some kind to use an online dictionary.

AP Spanish Language & Culture 1.00 Credit

Prerequisite: Spanish IV (Grade of "B" or better)
Fee: approx. \$94 AP Exam

AP Spanish Language and Culture is a college-level course intended for students in their fifth year of study of Spanish. Students who enroll in this course should already have a good command of grammar and be able to read, write, speak and listen to Spanish. AP students will fine-tune these skills and increase vocabulary within a meaningful study of six themes, wherein culture will always be incorporated: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. The students must be able to handle a course conducted entirely in Spanish and be willing to commit the time necessary to prepare for active participation in the classroom. English is only used for occasional translations, clarification of grammatical structures, or reading of AP test instructions. Students will take the AP exam in the spring. **You will be required to take the AP Spanish Language & Culture Exam in May.**

FINE AND PERFORMING ARTS DEPARTMENT

The principal goal of the THS art department is to offer a learning environment in which all students can develop knowledge and skills of visual creativity that they can use for the rest of their lives. Therefore, the course offerings and sequences in our art program have been planned to meet the needs and interests of all levels of achievement; to develop and enrich each individual's capacity as a consumer, hobbyist, or potential professional artist or designer.

ART

| Grade Level | Courses Offered | Credits |
|-------------|---------------------------|---------|
| 9,10,11,12 | Basic Art | 1.00 |
| 10,11,12 | Studio Art | 1.00 |
| 11,12 | Honors Studio Art | 1.00 |
| 11,12 | AP Studio Art: Drawing | 1.00 |
| 11, 12 | AP Studio Art: 2-D Design | 1.00 |
| 10, 11, 12 | Art & Technology | 1.00 |

BASIC ART

1.00 Credit

Grades 9, 10, 11, 12

Prerequisite: Interest in Art

This class focuses on the fundamentals of art. Emphasis is on the elements and principles of design and how they are used to communicate ideas visually. Projects include drawing, painting, ceramics, sculpture and printmaking. The skills and concepts you will learn are the building blocks for all future art classes.

STUDIO ART

1.00 Credit

Grades 10, 11, 12

Prerequisites: Basic Art

This class is designed for students to increase technical skills in a variety of art media and to develop creative problem solving skills. Students will learn advanced techniques in drawing, painting and sculpture. Amaze yourself, your friends and family with the artwork you will create.

HONORS STUDIO ART

1.00 Credit

Grades 11, 12

Prerequisites: Studio Art

Students are expected to develop increased self-direction and independent creative thought as they improve their skills and explore selected media. Projects and material change each year so you may repeat this class a second time for credit.

AP STUDIO ART: DRAWING

1.00 Credit

AP STUDIO ART: 2-D DESIGN

1.00 Credit

Prerequisites: 1 or 2 Semesters of Advanced Studio Art (with one Advanced Studio Art class taken in the same school year as AP)

Fee: approx. \$94 AP Exam

This is an introductory college-level art course that is intended for highly motivated students who are seriously interested in the study of art. Each student will choose to work on either a drawing or 2-D design portfolio. All students are required to submit a portfolio to the Regional College Board in the spring, and may be eligible to receive 3 hours of college credit based on the portfolio assessment.

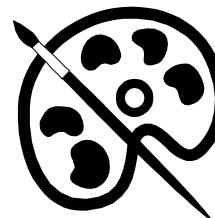
ART & TECHNOLOGY

1.00 Credit

Grades 10, 11, 12

Prerequisites: Basic Art

This class explores the use of digital media as a means of communication and artistic expression. It introduces the use of digital imagery technology as an art form and as a design tool in the graphics industry. The class will use software such as PhotoShop and Illustrator to complete projects. Students will investigate possible careers in the fields of art and technology.



MUSIC

| Grade Level | Courses Offered | Credits |
|---------------|-------------------------|---------|
| 9,10,11,12 | Marching Band | 1.00 |
| 9,10,11,12 | Concert Band | 1.00 |
| 9,10,11,12 | Marching Band Auxiliary | 0.50 |
| 9, 10, 11, 12 | High School Chorus | 1.00 |

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| MARCHING BAND | 1.00 Credit |
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*One Semester Block – First Semester Only
Fee: \$75.00 + Band Camp Fees*

Prerequisite: Past Instrumental Experience and/or Audition

This course offers students an intensive training in the skills of marching and playing an instrument in an ensemble setting. Students will have the opportunity to perform on a weekly basis for the first 10 weeks of school. A summer schedule (published in advance) must be met to fulfill the requirements.

Attendance is mandatory at the following:

- Pre-Camp (July 11-15)**
- Band Camp (July 17-22)**
- Post-Camp (July 25-29)**
- August 1-16: Mon, Tues & Thurs evenings**

Monday, Tuesday and Thursday evening rehearsals are required in August, as well as any other evening rehearsals that may be required in preparation for upcoming marching and competition seasons. Tuesday evening rehearsals are the only after-school rehearsal time scheduled allowing students to be able to participate in other athletic and outside school activities. Required Marching performances include several band shows prior to the start of school, minimum of band competitions (3-4), and all football games, pep assemblies, homecoming parade and bonfire, and Veterans Day observances. The band periodically plans away trips when sufficient funds can be raised. Fees to include: band camp, shirt, shoes, gloves and uniform cleaning fee.

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| CONCERT BAND | 1.00 Credit |
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*One Semester Block – Second Semester Only
Prerequisite: Past Instrumental Experience and/or Audition*

This course offers students an intensive training in all wind and percussion instrumental playing, and ensemble performance. Two bands have been established to allow students to learn and perform at a level suitable to current ability. Students wishing to begin or resume playing an instrument may enroll in concert band. Students will perform two school concerts, compete in the Ohio Music Educators Association District Band Competition, Memorial Day Parade, high school graduation, and assemblies. The band periodically plans away trips when sufficient funds can be raised.

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| MARCHING BAND AUXILIARY | 0.50 Credit |
|--------------------------------|--------------------|

*One Semester Block – First Semester Only
Prerequisite: Chosen by audition in early spring of the previous year.*

Fee: \$75.00 + Band Camp Fees

This course offers members the opportunity to perform with the marching band during the marching season. Rehearsals, which begin in the summer (schedule given in advance) are required and continue throughout the season. Attendance at after-school rehearsals during the football and basketball season is also required. All rehearsals and performances must be attended as part of your grade. Attendance by all auxiliary members at a five-day auxiliary summer camp (date, time and place to be determined later) is mandatory. Performances (also required attendance) include all football half-time shows, a minimum of competitions, two parades, two to three band shows, concert, pep assemblies, and basketball games (4). (Possible festival and competition performances in winter and spring)

Attendance is mandatory at the following:

- Pre-Camp (July 11-15)**
- Band Camp (July 17-22)**
- Post-Camp (July 25-29)**
- August 1-16: Mon, Tues & Thurs evenings**

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| HIGH SCHOOL CHORUS | 1.00 Credit |
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*One Semester Block – Offered Two Semesters
Prerequisite: Director Approval for students who have no prior choir courses*

This exciting class is available to anyone with an interest in singing and performing. We perform a variety of literature with an emphasis on improving vocal technique and creating beautiful music together. We also like to have fun! The chorus performs several concerts during each semester, and attendance at these performances is mandatory. Students are encouraged to take chorus both semesters; however this is not a requirement. We would love to have you join us!

DRAMA

| Grade Level | Courses Offered | Credits |
|---------------|-----------------|---------|
| 9, 10, 11, 12 | Drama | 1.00 |
| 10,11,12 | Advanced Drama | 1.00 |

DRAMA

1.00 Credit

The purpose of this course is to study the art of acting and different forms of theatre through independent work, observation, class, and public performance. It will provide the student with an opportunity to explore and develop skills in the various aspects of dramatic presentation and performance in a classroom situation. The goal of this course is to promote an appreciation for all elements of the theater arts.

ADVANCED DRAMA

1.00 Credit

Prerequisite: Drama and Teacher Approval

A continuation of the foundational skills developed in Drama (Acting, Directing, Technical Theatre, Elements of Productions). Students will focus on the elements of production. Students will cast, rehearse, perform a play by semester's end. Specific emphasis will be placed on script/character analysis, acting techniques, and design.



TECHNOLOGY EDUCATION DEPARTMENT

| Grade Level | Course Title | Credits |
|---------------|----------------------|---------|
| 9,10,11,12 | Basic Metals | 1.00 |
| 9,10,11,12 | Advanced Metals | 1.00 |
| 9, 10, 11, 12 | Engineering Graphics | 1.00 |

BASIC METALS

1.00 Credit

One Semester Block

Prerequisite: None

Current Fee: cost of project materials

In this introductory course the student will study materials and processes common in the metal working industry including precision measurement, aluminum casting, oxyacetylene brazing and welding, arc welding, forging, machining, hand bench work, metallurgy, and sheet metal. Safety and workmanship are stressed daily! Students will design and plan their own projects. The lab fee pays for consumables like gas and abrasives and the student must also pay for metal used from the lab. "Safety glasses required."

ADVANCED METALS

1.00 Credit

One Semester Block

Prerequisite: Mastery of Basic Metals (Grade C or better)

Current Fee: cost of project materials

Advanced Metals allows a further study of the metal working industry. Included is advanced casting, arc welding, Metal Inert Gas Welding (MIG), blueprint reading, advanced machining, and maintenance and repair. Increased craftsmanship, details, design, planning, construction, and safety are expected. There is a fee which pays for consumables such as gas and abrasives and the student must also pay for metal used from the lab. This course may be repeated for credit. "Safety glasses required."

ENGINEERING GRAPHICS

1.00 Credit

One Semester Block

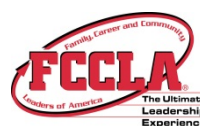
Prerequisite: None

Engineering Graphics is a course designed to introduce the student to technical drawing. The first part of the course is dedicated to learning standard drafting principles using AutoCAD software. The second part focuses on learning three dimensional modeling. Content to be covered includes sketching, multi-view drawing, dimensioning, working drawings, solid modeling and problem solving.



FAMILY & CONSUMER SCIENCES

| Grade | Course Title | Credit |
|---------------|--|-------------|
| 9, 10 | Transitions & Careers / Intro to Family & Consumer Sciences | 0.50 + 0.50 |
| 9, 10, 11, 12 | Principles of Food / Global Foods | 0.50 + 0.50 |
| 10, 11, 12 | Nutrition & Wellness / Weight Training | 0.50 + 0.25 |
| 10, 11, 12 | Food Science / Culinary Fundamentals | 0.50 + 0.50 |
| 10, 11, 12 | Career & College Readiness / Leadership & Community Engagement | 0.50 + 0.50 |
| 10, 11, 12 | Child Development / Human Growth & Development | 0.50 + 0.50 |
| 10, 11, 12 | Interior Design, Furnishings & Management | 1.00 |
| 10, 11, 12 | Textile Design, Construction & Maintenance | 1.00 |
| 9, 10, 11, 12 | GRADS (Graduation, Reality, and Dual-role Skills) | Up to 0.50 |



All students in Family and Consumer Sciences classes build leadership skills through participation in Family, Career and Community Leaders of America (FCCLA), the national career tech student organization for Family and Consumer Sciences.

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|--|--------------------------|
| TRANSITIONS & CAREERS | 0.50 Credit |
| Linked with | |
| INTRO TO FAMILY & CONSUMER SCIENCES | 0.50 Credit |
| | 1.00 Credit Total |

One Semester Block
Prerequisite: None
Grades: 9 or 10 recommended

Transitions & Careers (9-week course)

This course will assist students in planning for high school and beyond through creation of a career path plan. In this course, students will analyze interests, aptitudes and skills to prepare for careers and transition through life. An emphasis will be placed on work ethics, team building, and communication and leadership skills. Additional topics will include technology etiquette and entrepreneurship.

*This course meets the financial literacy requirement for graduation.

Intro to Family & Consumer Sciences (9-week course)

This course provides an overview of major content areas for Family and Consumer Sciences. Students will investigate topics in four areas: foods and nutrition, personal finance and consumerism, child development and family and personal wellness, and interior and textile design principles. Students will complete projects from each content area. This class includes an introduction to the food lab and basic skills for food preparation.

*This course meets the financial literacy requirement for graduation.
* Prerequisite option for Global Foods, Nutrition and Wellness, Food Science and Culinary Fundamentals

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|---------------------------|--------------------------|
| PRINCIPLES OF FOOD | 0.50 Credit |
| linked with | |
| PERSONAL WELLNESS | 0.50 Credit |
| | 1.00 Credit Total |

One Semester Block
Prerequisite: None
Grades: 9 or 10 recommended

Principles of Food (9-week course)

Students 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.

*This course meets the financial literacy requirement for graduation.

*May be the prerequisite option for Global Foods, Nutrition and Wellness, Food Science, Culinary Fundamentals

Career Connections: Students interested in careers in the food industry or health and wellness will benefit from this course along with anyone planning to cook for friends, family or self.

Related Careers--Registered Dietitian, Nutritionist, Food & Wellness Director, Wellness Specialist, Sports Nutritionist, Community Educator, Chef, Caterer, Pediatrician, Family Physician, Restaurant Entrepreneur, Food Writer/Critic

Personal Wellness (9-week course)

Students will analyze personal physical, emotional, social and intellectual growth for a healthy lifestyle. An emphasis will be placed on lifespan wellness by managing stress through relaxation, physical activity and sleep. Additional topics will include human growth development, mental health management, personal hygiene and preparing for emergency medical situations.

Career Connections: Students interested in careers in health and wellness will benefit from this course.

Related Careers-- Public Health Case Manager, Nurse, Physician, Food & Wellness Director, Wellness Specialist,

| | |
|---------------------------------|--------------------------|
| GLOBAL FOODS | 0.50 Credits |
| linked with | |
| NUTRITION & WELLNESS | 0.50 Credits |
| | 1.00 Credit Total |

One Semester Block

Prerequisite: None

Grades: 10, 11, 12 recommended

Global Foods (9-week 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.

*This course meets the financial literacy requirement for graduation.

Career Connections: Students interested in careers in the food industry will benefit from this course along with anyone planning to cook for friends, family or self. **Related Careers**--Registered Dietitian, Nutritionist, Food & Wellness Director, Wellness Specialist, Chef, Caterer, Restaurant Entrepreneur, Food Writer/Critic

Nutrition and Wellness (9-week 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.

*This course meets the financial literacy requirement for graduation.

Career Connections: Students interested in careers in the food industry or health and wellness will benefit from this course along with anyone planning to cook for friends, family or self.

Related Careers--Registered Dietitian, Nutritionist, Sports Nutritionist, Nurse, Pediatrician, Family Physician, Public Health Case Manager, Nutritional Science Researcher, Sustainable Farmer, Food Anthropologist, Restaurant Entrepreneur.

| | |
|---------------------------------|--------------------------|
| WEIGHT TRAINING | 0.25 Credit |
| Linked with | |
| NUTRITION & WELLNESS | 0.50 Credit |
| | 0.75 Credit Total |

One Semester Block – Courses meet on alternating days

Pre-requisite: Intro to FCS, Principals of Global Foods, or Healthy & Safe Foods

Weight Training

This is an elective class for grades 10,11,12. This course may substitute for one required physical education class. Weight training will meet every other day and students are required to wear appropriate clothing (shoes, socks, shirt, and gym shorts.) Major areas of concentration include: flexibility, strength, endurance, speed, agility, footwork, and cardiovascular improvement

Nutrition & Wellness (Family & Consumer Sciences Dept)

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.

*This course meets the financial literacy requirement for graduation.

Career Connections: Students interested in careers in the food industry or health/wellness will benefit from this course along with anyone planning to cook for friends, family or self. **Related Careers:** Registered Dietitian, nutritionist, Sports Nutritionist, Nurse, Pediatrician, Family Physician, Public Health Case Manager, nutritional Science Researcher, Sustainable Famer, Food Anthropologist, and Restaurant Entrepreneur.

| | |
|------------------------------|--------------------------|
| FOOD SCIENCE | 0.50 Credit |
| linked with | |
| CULINARY FUNDAMENTALS | 0.50 Credit |
| | 1.00 Credit Total |

Prerequisite: Introduction to FCS or Principles of Food

Grades: 10, 11, 12

Food Science (9-week 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 situation. Food safety and sanitation techniques will align to industry-recognized certifications.

Career Connections: Students interested in careers in the food industry will benefit from this course along with anyone planning to cook for friends, family or self. **Related Careers**--Food Scientist, Food Chemist, Food Inspector, Food Toxicologist, Dietitian, Nutritionist, Chef, Baker, Caterer, Food Product Developer, Restaurant Entrepreneur. Food Writer/Critic

Culinary Fundamentals (9-week course)

Students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques.

*This course meets the financial literacy requirement for graduation.

Career Connections: Students interested in careers in the food industry will benefit from this course along with anyone planning to cook for friends, family or self. **Related Careers**-- Chef, Baker, Cake Designer, Caterer, Event Planner, Food Anthropologist, Restaurant Entrepreneur, Food Stylist, Food Writer/Critic

| | |
|--|--------------------------|
| CAREER & COLLEGE READINESS | 0.50 Credit |
| linked with | |
| LEADERSHIP & COMMUNITY ENGAGEMENT | 0.50 Credit |
| | 1.00 Credit Total |

Prerequisite: None

Grades: 10, 11, 12

Career & College Readiness (9-week course)

Students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship.

*This course meets the financial literacy requirement for graduation.

Leadership & Community Engagement (9-week course)

In this course, students will learn how to become an active community member and citizen. An emphasis will be placed on service learning, leadership training and teambuilding opportunities. Additional topics will include public policy issues, community and global engagement.

*This course meets the financial literacy requirement for graduation.

Career Connections: Students interested in careers in politics, law, government, education, business, and health care will benefit from this course.

Related Careers--Politician, Ambassador, Lawyer, Teacher, School Principal, Business Executive, Physician, Nurse,

| | |
|--------------------------------|--------------------------|
| CONSUMER ECONOMICS | 0.50 Credit |
| linked with | |
| PERSONAL FINANCIAL MGMT | 0.50 Credit |
| | 1.00 Credit Total |

Prerequisite: None
Grades: 10, 11, 12

Consumer Economics (9-week course)

Students will study public policy and consumer behavior related to consumer economics. Throughout the course, students will examine laws and regulations that affect the consumer. Additional topics will include consumer expenditures, consumer fraud, global economy, large purchases, and contracts.

*This course meets the financial literacy requirement for graduation.

Career Connections: Students interested in careers in public policy, law, consumer rights, banking, finance, economics and marketing will benefit from this course.

Related Careers—Banker, Consumer Advocate, Market Researcher, Financial Adviser, Lawyer, Retail Sales Entrepreneur

Personal Financial Management (9-week course)

Students 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, investments and risk management.

*This course meets the financial literacy requirement for graduation.

| | |
|---------------------------------------|--------------------------|
| CHILD DEVELOPMENT | 0.50 Credit |
| linked with | |
| HUMAN GROWTH & DEVELOPMENT | 0.50 Credit |
| | 1.00 Credit Total |

Prerequisite: None
Grades: 10, 11, 12

Child Development (9-week course)

Students will study the principles of child growth, development and behavior. An emphasis will be place 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.

*This course meets the financial literacy requirement for graduation.

Career Connections: Students interested in careers in teaching/education, health/medicine, psychology, and childcare will benefit from this course along with anyone who will be involved in the life of a child.

Related Careers— Child Care Worker, Nanny/Au Pair, Children's Librarian, Teacher, School Counselor, Psychologist, Health Educator, Preschool Teacher, Child/Family/School Social Worker, Coach, Child Advocate, Family Therapist, Child Life Specialist, Juvenile Officer, Recreation Leader, Recreation Therapist, Speech/Language Pathologist, Midwife, Nurse Practitioner, Pediatrician, Obstetrical RN,

Human Growth & Development (9-week course)

Students will analyze human growth and development throughout the lifespan. An emphasis will be placed on physical, cognitive, social and emotional growth and development. Additional topics will include human characteristics and traits, genetic defects, parenting styles and responsibilities and cultural differences within a family unit and community.

Career Connections: Students interested in careers in education, medicine and health care, psychology, social work, family law, and counseling will benefit from this course.

Related Careers— Teacher, School Counselor, School Psychologist, Child/Family/School Social Worker, Physician, Nurse, Family Therapist, Psychologist/Psychiatrist, Child Life Specialist, Juvenile Officer, Pediatrician, Gerontologist

| | |
|--|--------------------|
| INTERIOR DESIGN, FURNISHINGS & MGMT | 1.00 Credit |
|--|--------------------|

Prerequisite: None
Grades: 10, 11, 12

Students will examine design principles used in residential interiors. An emphasis will be placed on incorporating anthropometrics, ergonomics and psychological responses. Additional topics will include the selection and organization of furnishing, floors and wall coverings in living spaces, kitchens and baths.

*This course meets the financial literacy requirement for graduation.

Career Connections: Students interested in careers in housing & furnishings, design, architecture, real estate, furniture design or construction will benefit from this course.

Related Careers—Interior designer, furniture designer, architect, Realtor®, theater/movie set designer, landscape designer

| | |
|---|--------------------|
| TEXTILES, CONSTRUCTION & MAINTENANCE | 1.00 Credit |
|---|--------------------|

Prerequisite: None
Grades: 10, 11, 12

Students will study the visual appearance of fabric and fashion design. Students will identify, analyze and copy production processes and techniques to textiles. Additional topics will include the maintenance and alterations of textile products, including home interior accessories and garments.

*This course meets the financial literacy requirement for graduation.

Career Connections: Students interested in careers in textiles, fashion, design or merchandising will benefit from this course.

Related Careers—Fashion Designer, Costume Designer, Stylist, Textile Designer, Fashion Merchandising, Retail Clothing & Fashion Buyer, Seamstress/Tailor, Textile Conservator, Fashion Journalist

| |
|--|
| GRADS (Graduation, Reality, and Dual-role Skills) |
| To be determined at end of semester |
| Up to .50 Credit |

This elective, semester-long course is for any student who is pregnant and for young parents, male and female. It is an in-school secondary program. Students may remain in class for four semesters (two years) for credit. Action projects are required to encourage students to use, at home with their families, the knowledge gained in the classroom. A workbook fee is required. Goals of this program include: to increase the likelihood that the participants will remain in school during their pregnancy and after the birth of their child to the point of graduation; to assist participants in carrying out positive health care practices for themselves and their children in both prenatal and postnatal stages; to provide an orientation to the work world at large and in the local community; and to encourage goal setting directed toward the concept of the dual role of employee and parent.

BUSINESS & MARKETING DEPARTMENT

| Grade Level | Course Title | Credits |
|-------------|--|---------|
| 9, 10 | Financial Literacy & Business Concepts | 1.0 |
| 10, 11, 12 | Accounting I | 1.0 |
| 10, 11, 12 | Business Law | 1.0 |
| 10, 11, 12 | Software Technology I | 1.0 |
| 10, 11, 12 | Software Technology II | 1.0 |
| 11, 12 | Business I | 1.0 |
| 11, 12 | Business Experience I | 1.0 |
| 11, 12 | Business II | 1.0 |
| 11, 12 | Business Experience II | 1.0 |
| 11, 12 | Marketing I | 1.0 |
| 11, 12 | Marketing Experience I | 1.0 |
| 11, 12 | Marketing II | 1.0 |
| 11, 12 | Marketing Experience II | 1.0 |
| 12 | Senior Project | 1.0 |

FINANCIAL LITERACY & BUSINESS CONCEPTS

1.00 Credit

One Semester Block

Prerequisite: 9th – 10th grade

- Financial Literacy – Credit & personal budgeting
- Introduction to Economics, Business, Finance, Marketing
- Employability Skills
- Technology – Software Applications to reinforce business disciplines

ACCOUNTING I

1.00 Credit

One Semester Block

- Track, record, summarize, and report business financial transactions
- Develop financial documents
- Project future income and expenses
- Evaluate a company's financial performance

BUSINESS LAW

1.00 Credit

- Examine judicial system (types & origins of laws)
- Administrative and employment law
- Debtor and creditor laws and regulations
- Conduct legal research and prepare legal documents
- Compliance and contract law
- Investing, banking and taxes

SOFTWARE TECHNOLOGY I

1.00 Credit

One Semester Block

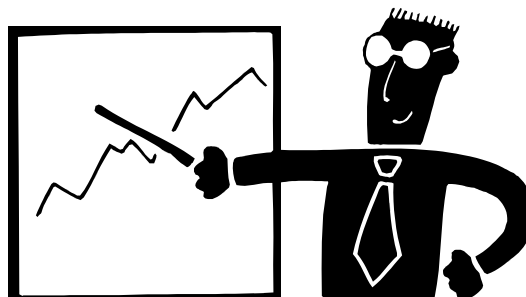
- Technological tools and applications to develop business insights (Word, Excel, PowerPoint, Desktop Publishing)
- Fundamentals of business and office management
- Students will complete a portfolio
- Student participation in BPA (Business Professionals of America)

SOFTWARE TECHNOLOGY II

1.00 Credit

One Semester Block

- Advanced technological tools and applications to develop business insights
- Entrepreneurial focus
- Students will create business plans
- Students will complete an electronic portfolio
- Student participation in BPA (Business Professionals of America).



BUSINESS I**1.00 Credit***One Semester Block**Prerequisite: recommended for grades 11 and 12*

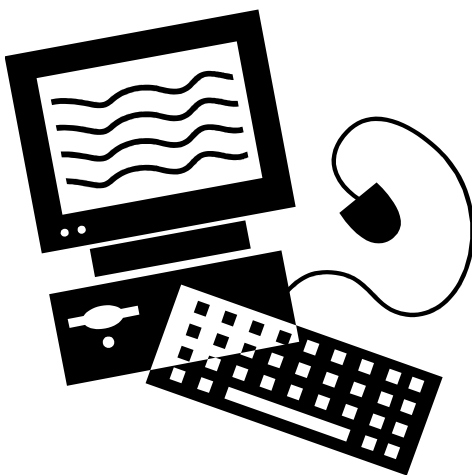
- Fundamentals of Accounting, Banking, Finance, Insurance
- Economics
- Stocks and Mutual Fund Investing
- Business Ethics and Business Law
- Business Plan Creation
- Technology – Software Applications
- Student participation in BPA (Business Professionals of America)

BUSINESS II**1.00 Credit***One Semester Block**Prerequisite: recommended for grades 11 and 12*

- Learn how to effectively manage a workforce
- Analyze and critique leadership styles via case studies
- Entrepreneurship
- Business Ethics
- Risk analysis and the Business Environment
- Project oriented class focusing on organizational success and personal growth
- Technology – Software Applications
- Student participation in BPA (Business Professionals of America)

BUSINESS EXPERIENCE I & II**1.00 Credit***One Semester Block***Must be scheduled with Business I and/or Business II*

- Apply skills in a comprehensive and authentic way
- May include project/problem-based learning opportunities both in and away from school
- Under school supervision and through community partnerships, students may combine classroom learning with work experience

**MARKETING I****1.00 Credit***One Semester Block*

- Fundamentals of Marketing Communications
- Marketing Management
- Marketing Research and Strategies
- Generate, screen, and develop new product ideas
- Technology – Software Application
- Student participation in DECA

MARKETING II**1.00 Credit***One Semester Block*

- Professional selling techniques emphasized
- Learn how to develop, grow, and sustain positive business relationships
- Analysis of business environment on sales, customers, and competitors
- Learn how to price for profitability and promote produce sales growth
- Technology – Software Applications
- Student participation in DECA

MARKETING EXPERIENCE I & II**1.00 Credit***One Semester Block***Must be scheduled with Marketing I and/or II*

- Apply skills in a comprehensive and authentic way
- May include project/problem-based learning opportunities both in and away from school
- Under school supervision and through community partnerships, students may combine classroom learning with work experience

SENIOR PROJECT**1.00 Credit***One Semester Block*

The main focus of this course is to provide students with shadowing experiences in order for them to identify one or more careers that they may want to pursue after high school. The majority of the course will typically consist of two 5-week experiences in which students will work with professionals in the community for a total of sixty (60) hours. Finally, students will have assignments to complete in the form of journals, evaluations, a paper, and a presentation by which they will share their experiences with students, teachers and community members.

Project Lead the Way / Engineering

| Grade Level | Course Title | Credits |
|-------------|-----------------------------|---------|
| 9, 10 | Intro to Engineering Design | 1.00 |
| 10, 11 | Principles of Engineering | 1.00 |
| 10, 11 | Digital Electronics | 1.00 |
| 11, 12 | Biotechnical Engineering | 1.00 |

Project Lead the Way is a nationally approved curriculum designed to encourage students to explore and progress towards careers in engineering, science, technology, and mathematics - but particularly engineering. Project Lead the Way classes are hands-on and based in real-world experience. We set the highest standards for rigorous, focused, and engaging study, and develop students' innovative, collaborative, cooperative, and problem-solving skills. Tallmadge High School offers four classes in the Project Lead the Way curriculum. Students participating in the program ideally complete all four courses over the duration of their high school career. THS is pursuing certification for Project Lead the Way and with certification, students will have the opportunity to receive college credit for the course if they achieve a passing grade on the national exam and pay a fee toward the cost of the college credit. Students entering the Project Lead the Way program are expected to pursue an honors diploma with an AP emphasis. They should expect to take the highest levels possible in mathematics and science during their four years at Tallmadge.

| | |
|------------------------------------|--------------------|
| Intro to Engineering Design | 1.00 Credit |
|------------------------------------|--------------------|

One Semester Block
Prerequisite: Algebra I Part 2 (may be taken concurrently)

Introduction to Engineering Design is the beginning foundation course (Tier One) in the Project Lead the Way Engineering Curriculum. The course introduces students to the field of Engineering. The course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using Solid Modeling computer design software (specifically, Autodesk Inventor). This course exposes students to the rigor and content of a pre-engineering curriculum in engineering careers and promotes greater success in collegiate programs. Students, upon successful completion of a national test, may qualify for 3 college credit hours.

Students enrolled in this course should also plan on completing Geometry and/or Algebra II by the end of their freshman year. This class is taught in a girls-only and boys-only class format. Sophomores wishing to enter the engineering pathway may also take this course.

| | |
|----------------------------------|--------------------|
| Principles of Engineering | 1.00 Credit |
|----------------------------------|--------------------|

One Semester Block
Prerequisite: Algebra II (or simultaneously enrolled), Intro to Engineering Design, and Physical Science

This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real-world engineering problems. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological change. The course of study includes:

Engineering Systems: Students learn about mechanical, electrical, fluid power and control systems.

Statics: Students explore structural analysis via truss building and solving truss problems.

Materials: Students observe, test and calculate the properties and materials, and perform tensile tests on various metals.

Thermodynamics: Students will learn about units and forms of energy, energy conversion, cycles, efficiency and energy loss, and conservation techniques.

Dynamics: Students will be introduced to linear and projectile motion.

Students upon successful completion of a PLTW national test may qualify for 3 college elective credit hours.

| | |
|----------------------------|--------------------|
| Digital Electronics | 1.00 Credit |
|----------------------------|--------------------|

One Semester Block
Prerequisite: Algebra III (may be taken concurrently)
Principles of Engineering
Approval of Instructor

Digital Electronics is the final foundation course (Tier I) in Project Lead the Way. DE is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discreet voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc.

The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

Utilizing the activity-project-problem-based (APPB) teaching and learning pedagogy, students will analyze, design and build digital electronic circuits. While implementing these designs students will continually hone their interpersonal skills, creative abilities and understanding of the design process.

Students enrolled in this course must have completed physical science and Algebra III (or be simultaneously enrolled in Algebra II) and should have completed Principles of Engineering. Approval of the Instructor is necessary to take the course.

| | |
|---------------------------------|--------------------|
| Biotechnical Engineering | 1.00 Credit |
|---------------------------------|--------------------|

One Semester Block
Prerequisite: Topics in Biology I
Approval of Instructor

The major focus of this course is to expose students to the diverse fields of biotechnology including: biomedical engineering, biomolecular genetics, bioprocess engineering, and agricultural & environmental engineering. Lessons engage students in engineering design problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, human interface, bioprocesses, forensics and bioethics. Students in this course apply biological and engineering concepts to design materials and processes that directly measure, repair, improve and extend living systems.

2016-2017 College Tech Prep Initiatives & Career Programs

STEM (Science, Technology, Engineering and Mathematics) programs are part of a statewide collaborative venture to help Ohio stay competitive in today's global economy.

COLLEGE TECH PREP INITIATIVES

Athletic Health Care and Fitness • STEM

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Roosevelt

CREDIT: Level I – Advanced Anatomy & Physiology;
Tech Theory 1; Lab 1.

Level II – Advanced Anatomy & Physiology;
Tech Theory 1; Capstone Research 1.

This College Tech Prep Initiative provides knowledge and real-life experiences in the prevention, recognition, treatment, rehabilitation and administration of athletic, as well as non-athletic, common injuries and conditions. Under the direction of a nationally certified and state-licensed athletic trainer, students develop both basic and advanced skills in the classroom lab setting during the first year. Instruction in the second year focuses on individual career exploration in which students have the opportunity to work and learn outside of the classroom with local professionals in medical, clinical and fitness facilities. This College Tech Prep Initiative is suited to individuals who have career interests in athletic training and fitness, physical therapy and emergency medicine. College credits available. Specific academic courses include: Human Anatomy and Physiology, Medical Terminology, Exercise and Athletic Training, and Fitness Evaluation and Assessment. For more information, see the Compact Career Catalog 2016-17.

Automotive Specializaion

GRADE LEVEL: 10, 11, 12

LENGTH: One or two years

SCHOOL: Hudson

CREDIT: Lab 3

Designed for students who have an interest in the auto repair industry, Auto Specialization is geared for those students who require repetitive instruction to master program competencies. Students will use tools and equipment to perform detailing, reconditioning, maintenance and simple repairs on vehicles. Employability skills are practiced daily in a simulated automotive repair setting. Courses include Ground Transportation and Maintenance and Engine Powertrain in Level I; Engine Performance and HVAC in Level II. For more information, see the Compact Career Catalog 2016-17.

Automotive Technologies

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Cuyahoga Falls, Hudson

CREDIT at Cuyahoga Falls: Level I and II - Tech Theory 1; Lab 2

CREDIT at Hudson: Level I – Physics 1/2; Tech Theory 1; Lab 1.

Level II – Contemporary Math 1;
Tech Theory 1; Lab 1

Students will gain practical experience in basic diagnostic skills and become proficient in repair and maintenance of a car's mechanical and electrical systems. Students may be required to purchase a tool kit to be used during the course and upon entry into the job market. Completers of this College Tech Prep Initiative are now working as technicians at car dealerships, service centers and automotive specialty shops. College credits available. Courses include Ground Transportation Maintenance, Braking Systems, Steering and Suspension in Level I; Ground Transportation Engine and Powertrain, Engine Performance, Electrical Systems in Level II. For more information, see Compact Career Catalog 2016-17.

Aeronautics Careers Academy • STEM

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Stow-Munroe Falls High School, Kent State University

CREDIT: Level I – Intro to Aeronautics 1; Aviation Weather 1;
CP English 1; Math 1.

Level II – Elements of Flight Theory 1; AeroPhysics 1;
CP English 1; Math 1.

This two-year College Tech Prep Initiative combines college prep academics with applied learning in the world of aeronautics. Students will study Aviation Management, Flight Technology, Air Traffic Control and Aeronautical Systems Engineering Technology. In addition, students also study in Level II, Aero Physics. A partnership with Kent State University College of Applied Engineering, Sustainability and Technology Aeronautics Division allows student to participate at the air traffic control center on campus, as well as at the Kent State University airport. College credits available. For more information, see the Compact Career Catalog 2016-17.

Biomedical Engineering & Technology Academy STEM

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Woodridge

CREDIT: Level I – Biomedical Engineering Lab 1; Biotechnology Engineering Theory 1; Honors English 1; Honors Anatomy/Physiology 1

CREDIT: Level II – Biomedical Engineering Lab 1; Biotechnology Engineering Theory 1; Honors English 1; Honors Physics 1; Capstone Project

This emerging science focuses on applying the principles of engineering and technology to life sciences. The format of this College Tech Prep Initiative is discovery-based, with an emphasis on current technology, developments and research. Students will focus on modern field usage of biotechnology in engineering, pharmaceuticals, medicine, agriculture and others. Level II will incorporate a required capstone project. Throughout this two-year offering, bioethics and entrepreneurship will be included. In addition, connections with area biomedical industries will be available to students. College credits available. For more information, see the Compact Career Catalog 2016-17.

Business and Sports Management

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Roosevelt

CREDIT: Level I – CP English 1; Tech Theory 1; Lab 1; Optional Capstone* 1

CREDIT: Level II – CP English 1; Tech Theory 1, Lab 1 Optional Capstone* 1

*(Based on transportation, cooperative experience and/or apprenticeship and credit need.)

This College Tech Prep Initiative develops skills and knowledge in the field of business, sports management and marketing, human resource management, facilities and operations management, sales and public relations. Students will acquire knowledge of business processes, economics, business relationships, finance and accounting. They will learn how to manage a workforce, lead change and build professional relationships with employees and customers. Students will learn how to manage a workforce, lead change and build professional relationships with employees and customers. Students will utilize technology, software and virtual simulations to prepare for careers in the business and sports management fields. College credits available. For more information, see the Compact Career Catalog 2016-17.

Business Pathway

GRADE LEVEL: 9, 10, 11, 12

LENGTH: Four years

SCHOOL: Tallmadge Students Only

CREDIT : 1 credit per course;

*Courses offer an additional one-credit lab

PREREQUISITE: Business Foundations & Financial Literacy

Business/Marketing Pathway is a series of courses designed to give students comprehensive skills and knowledge that lead to post-secondary employment or higher education in a variety of business/marketing careers. Business Pathway offers students the ability to build a solid background in business/marketing related concepts necessary to successfully earn a bachelor's degree in Business Management, Marketing, Finance, and/or Accounting. Students will also join nationally recognized business organizations for high school and college students, DECA and or BPA, Business Professionals of America, to enhance leadership skills and provide connectivity to the project-oriented business world. Students are required to complete four courses within either the Marketing Pathway or the Business Administration Services Pathway, including a minimum of three Pathway Courses throughout the four years of high school to complete the Business or Marketing Pathway. See the Compact Career Catalog 2016-17 for more details.

Business Pathways: Skills for Success

GRADE LEVEL: 9, 10, 11, 12

LENGTH: Two years

SCHOOL: Cuyahoga Falls

CREDIT : Level I: Tech Theory 1; Lab 1

Level II: Tech Theory 1; Lab 1

Business Pathways: Skills for Success takes you beyond the regular classroom and allows you to attain the knowledge and skills for success—no matter what path your future takes. This College Tech Prep Initiative will provide you with the necessary training and skills to understand how business operates in a range of career fields. Students can customize their learning by choosing a minimum of four courses from one of the Business/Marketing pathways—Business and Entrepreneurship, Health and Wellness, Human and Public Service or Arts, Media and Design. See the Compact Career Catalog 2016-17 for more details

Collision Repair and Auto Refinishing

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Woodridge

CREDIT: Level I - Tech Theory 1; Lab 1; CP English 1

Level II – Tech Theory 1; Lab 2.

Students study collision repair and auto refinishing in a renovated facility located in downtown Cuyahoga Falls. Using the latest state-of-the-art equipment, the NATEF certified curriculum includes frame inspection and repair, welding, working with plastics and adhesives, painting and refinishing, glass installation, and metalworking. Students will also learn about damage repair, auto restoration, structural and non-structural analysis and cost estimating. Throughout the two-year College Tech Prep Initiative, students will also hear from collision repair experts in Northeast Ohio. Completers will be qualified as entry level employees in this \$30 billion industry. College credits available. For more information, see the Compact Career Catalog 2016-17.

Computer Aided Design (CAD) and Engineering Technologies (CADET) • STEM

GRADE LEVEL: 10, 11, 12

LENGTH: One or two years

SCHOOL: Roosevelt

CREDIT: Level I – Lab 2; Tech Theory 1; CP or Comp English 1 1
Level II – Lab 2; Tech Theory 1; Placement in college-level math available.

Redefine what is possible through CAD & Engineering Technologies! Students will use the latest industry standard software and equipment to produce working drawings, 3D solid model designs, parts and assemblies. Additionally, students will have the opportunity to program and operate CNC machines (router, lathe, mill) to produce manufactured products using wood, metal, and plastic. Students will also operate rapid prototype machines (3D printer) and laser engraver in fabricating various engineered and designed products. Manufacturing processes and industries will be explored. This exciting, professional College Tech Prep offering is designed to prepare students for careers in the engineering, advanced manufacturing and architectural career fields. Students will network with industry experts and partners in high demand career fields. Senior level internships/industry placement opportunities are available to qualified students. Advanced technologies, coupled with the need to update and improve manufacturing facilities and product design, should fuel the demand for professionals in computer-aided manufacturing, architecture, and engineering technologies. According to the latest data 7,400 jobs within a 100 mile radius of Akron, Ohio currently exist. Upon successful completion of the program, students will be eligible to earn up to 3 college credits (CTAG) to any Ohio public university for Computer Aided Drafting and Design in an Engineering Technology program. For more information, see the Compact Career Catalog 2016-17.

Construction Technologies

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Roosevelt

CREDIT: Level I - Tech Theory 1; Lab 2; CP or Comp English
Level II – Tech Theory 1; Lab 1; Internship 1

In Level 1, students are introduced to many aspects of construction including remodeling, estimating, framing, roofing, exterior finishing, interior finishing, cabinets, countertops and trim work. By applying math, science, communication and team building skills, students construct real-life application projects in the spacious lab while also learning to operate a wide range of hand, power and air tools. Because the class focuses on residential construction, students learn to build from floor to roof, which helps prepare them for a career in the construction industry. The construction process introduces them to basic electrical, plumbing and masonry work. In Level II, students have the opportunity to complete a paid internship with contractors on actual job sites. Completers of this program have entered apprenticeships, enrolled in two- and four-year colleges and worked for a contractor or builder as a carpenter. Many have even started their own construction business! College credits available. For more information, see the Compact Career Catalog 2016-17.

Cosmetology

GRADE LEVEL: 11, 12

LENGTH: Two years

SCHOOL: Cuyahoga Falls, Roosevelt

CREDIT at Cuyahoga Falls: Level I - Tech Theory 1; Lab 2;
Language Arts.

Level II - Tech Theory 1; Lab 2; Internship I

CREDIT at Roosevelt: Level I – CP English 1; Tech Theory 1; Lab 2

Level II – CP English 1: Tech Theory 1;
Lab/Externship 3

Students are prepared to take the Ohio State Board of Cosmetology exam. Students passing this exam will be licensed cosmetologists qualified for immediate employment, performing professional grooming services related to the care of hair, skin and nails. Instructors and students are kept up to date in this rapidly changing profession by attending shows and conferences, hosting guest artists and participating in competitions. Internships will be available in “high end” salons. Students who receive the Ohio State Board of Cosmetology license are eligible to receive college credit. For more information, see the Compact Career Catalog 2016-17..

Criminal Justice

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Cuyahoga Falls

CREDIT: Level I: Criminal Justice 2; CP Language Arts 1
Level II: Criminal Justice 2; Optional Capstone 1

DUAL ENROLLMENT: Level I: Criminal Justice 3;
Technical Writing 1; American Urban 1;
Potential Technical College Credits 12
Level II: Criminal Justice 3; Optional
Capstone 1; Potential College Credits 9

This College Tech Prep initiative, located at Cuyahoga Falls High School, offers students opportunities to gain knowledge of the American Criminal Justice System and Police Work and Practice in Public Safety. Areas of concentration available for Level II will include Computer Digital Forensics or Emergency Management and Homeland Security. College credits will be attached to all of the courses. For more information, see the Compact Career Catalog 2016-17.

Culinary Arts

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Stow-Munroe Falls

CREDIT: Level I- Enriched CP English 1; Tech Theory 1; Lab 3
Level II – Enriched CP English 1; Tech Theory 2; Lab 3.

Culinary Arts prepares students in all areas of the demanding and competitive world of food service. In fact, the Culinary Arts career field is the second largest employer in the United States. Students learn to use commercial food service equipment, as well as advanced knife skills, cooking and baking techniques and advanced culinary skills. Students have the opportunity to earn a Servsafe certification in sanitation. They also operate a full-service restaurant at Stow-Munroe Falls High School, as well as event planning. Community-based partners offer job shadowing and worksite experiences. College credits available. For more information, see the Compact Career Catalog 2016-17.

Early Childhood Professions

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Tallmadge – David Bacon Building

CREDIT: Level I and II: Tech Theory 1; Lab 2

This College Tech Prep Initiative is designed for students interested in careers working with children from birth through eight years of age. Students study the theory of child development, children's health and safety, guidance techniques, early learning content standards, early learning content standards, curriculum design and lesson planning. Level II students may participate in paid employment in the childcare field. Both Level I and II students interact with preschool children in a lab experience setting. Throughout the course, students create activities, projects and lesson plans, which will become part of a toolkit they will use as they begin their career. Emphasis is placed on the development of a Child Development Associate Credential (CDA) portfolio to showcase the mastery of the course standards. College credits available. For more information, see the Compact Career Catalog 2016-17.

Electronics, Robotics and Programming · STEM

GRADE LEVEL: 10, 11, 12

LENGTH: One or two years; three periods per day

SCHOOL: Roosevelt

CREDIT: Level I: Tech Theory 1; Lab 1; Related 1

Level 2: Tech Theory 2; Lab 2; Related 2

Career opportunities are abundant and increasing in the fields of electronics, robotics and programming. This College Tech Prep Initiative will provide students with great preparation in theory and hands on experience. Transistor circuits, amplifiers, LED lighting and soldering projects are included. Vex robots are built and programmed with C language. BASIC language is used for parallax robots and LED displays. Video game programming is offered; computers are assembled and software installed. Students who complete the Electronics, Robotics and Programming College Tech Prep Initiative will have the opportunity to continue their studies in post-secondary education, enhance their skills in the military or directly enter the workforce. College credits available. For more information, see the Compact Career Catalog 2016-17.

Engineering Academy · STEM

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

(Third year option for those accepted in grade 10.)

SCHOOL: Roosevelt, Stow-Munroe Falls

CREDIT: Academic credits per year –Math 1; Physics 1;
English 1; Technology 2

This two-year College Tech Prep Academy combines academically competitive college prep courses with Hands-on technical studies. Students rotate through four technology areas: Computer Aided Design (CAD); electronics, robotics and programming; manufacturing processes; and polymers. College prep courses in English 11 and 12, Mathematics (Algebra II, Pre-Calculus, Calculus, A.P. Calculus AB) and Physics I and II are linked with the technology curriculum. Various instructional approaches are used, including team teaching, work teams, self-directed studies, and project-based learning. University partners include Cleveland State University and The University of Akron. For more information visit www.kentschools.net/engineering-academy or see the Compact Career Catalog 2016-17.

Forestry & Landscape Management · STEM

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Roosevelt

CREDIT: Level I – Envir Sci 1; CP or Comp Eng 1; Tech Theory 1; Lab 1
Level II – Envir Sci 1; CP Eng 1; Tech Theory 1; Lab/Internship 1

Students learn about plant and horticultural science, urban forestry, landscape design and build, as well as turf science and management. Students are prepared for further education in fields such as Urban Forestry, Turf Management, Arboriculture, Landscape Construction or Environmental Science. Successful completion can lead to career opportunities in the "Green Industry." In the second year, students concentrate on one area, attending class for approximately 50 minutes a day and working three to four hours a day in an area of interest. College credits available. For more information, see the Compact Career Catalog 2016-17.

Health Careers Technologies · STEM

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Roosevelt

CREDIT: Level I - Anatomy and Physiology 1; CP English 1;
Tech Theory 1; Lab 1.

Level II - CP English 1; Tech Theory 1; Lab/Internship 0.5-3

This two-year College Tech Prep Initiative offers the perfect starting point for students to shape their futures in a health careers field. Students develop foundation skills required to be successful in careers in medical, dental and allied health care. These include basic health care skills, medical laboratory processes, physical therapy techniques and clinical techniques used in a variety of medical occupations. Successful students go on to pursue careers in emergency care, pharmacy, rehabilitation, nursing, nurse aide, optical, dental, radiology, lab technician, home health care and veterinary technician. Students interact with health care professionals in the classroom, as well as at worksite learning opportunities. Coursework is provided in anatomy and physiology, medical terminology, nutrition, infection control and legal/ethical issues. Certification is available AHA CRP-AED for the Health Care Provider. College credits available. For more information, see the Compact Career Catalog 2016-17.

Interactive Marketing and Design

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Cuyahoga Falls

CREDIT: Level - Marketing Principles 1;

Digital Marketing and Management 1

Level II - Marketing Applications 1;

Integrated Marketing Communications 1;

Optional Marketing Capstone 1

The world of marketing, graphics, communications, photography, public relations and media is changing at rapid speed. This College Tech Prep Initiative will prepare students to explore careers and post-secondary options in communication-based fields. With the community as the classroom, students use projects and experienced-based learning to examine the foundations of marketing, management, graphic design, communications, public relations and advertising. Students will also use the latest in interactive technology, social media and software to gain real-world experience and build a professional portfolio. College credits available. For more information, see the Compact Career Catalog 2016-17.

International Business Academy

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Stow-Munroe Falls

CREDIT:

Level 1: Marketing Principles 1; Strategic Entrepreneurship 1;
CP Economics 1; CP English 1

Level II: Marketing Applications 1; International Business 1;
CP English 1; CP Government 1

In this exciting College Tech Prep Initiative, students are exposed to local and international business through hands-on activities and real-world practices. The Academy has ties to the business community that allow for authentic interaction with business professionals so that students can acquire a global perspective of business and marketing practices. Marketing principles, strategic entrepreneurial marketing application and International Business will be the areas of concentration. Students have access to four-year pathways in Accounting, Marketing, Finance or Management at various local universities. College credits available. For more information, see the Compact Career Catalog 2015-16.

Theater Arts Career Academy

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Tallmadge High School

CREDIT: Level I – Tech Theory 1; Lab 2, CP English 1; CAD ½
Level II – Tech Theory 1; Lab/Internship 2, CP English 1;
Set Design ½

This two-year College Tech Prep Academy combines college prep academics with hands-on experience in the theater arts. Students will study acting and directing, theater design and technology, theater history, literature and criticism and arts administration. Students will showcase their “Best of Scenes” to audiences at the end of Level I and present a “culminating experience” at the Level II. Each student will develop an electronic portfolio. College credits available. For more information, see the Compact Career Catalog 2016-17.

IT Academy with CompTIA and CISCO · STEM

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Cuyahoga Falls

CREDIT: Level I – Lab 1; Tech Theory 1; CP English 1 (Optional)
Level II – Lab 1; Tech Theory 1; CP English 1 (Optional)

You’re texting and tweeting. You’re downloading an MP3 or checking Facebook. You are on digital networks. By 2015, there will be 15 billion global network connections—twice as many as there are people on earth. Learning about networks will give you lots of career options. With the right network skills, you can enter an exciting and well paying career in ICT (information and communications technology). Or you can bring those vital skills to an internship or job in some other industry. As part of the IT Academy, you’ll gain the needed knowledge of basic computer hardware and operating systems, preparing you to take the CompTIA A+ certification exam. You will cover the essential principles of installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, and preventative maintenance on desktop and laptop computers. You will also learn elements of customer service and communication skills necessary to work with others. College credits available. For more information, see the Compact Career Catalog 2015-16.

Marketing Management

GRADE LEVEL: 10, 11, 12

LENGTH: One or Two years

SCHOOL: Roosevelt

CREDIT: Level I (optional) – Tech Theory 1; Lab 1
Level II (seniors only) – Tech Theory 1; Lab 1;
Optional Capstone 1

In their exploration of the fields of marketing, management, public relations, communications, advertising and sales, students get extensive experience in the use of the latest in technology and software. With the community as the classroom, students immerse themselves in the world of marketing through hands-on, community and experienced-based projects to bridge learning both inside and outside the classroom. College credits available. For more information, see the Compact Career Catalog 2016-17.

Project Lead the Way - STEM

GRADE LEVEL: Students in Coll. Prep/Honors Diploma/AP Pathway

LENGTH: Four Year Sequence

SCHOOL: Tallmadge Students ONLY

Project Lead The Way is a four-year sequence of courses, which combined with traditional math and science courses, introduces students to the scope, rigor and discipline of engineering in high school.

Teaching Profession

GRADE LEVEL: 10, 11, 12

LENGTH: Two years

SCHOOL: Roosevelt

CREDIT: Level I - Advanced English 1; Professional Theory 1;
Internship 1

CREDIT: Level II – Advanced English 1; Professional Theory 1;
Internship 1

Students are provided a solid foundation to explore the teaching professions through coursework and classroom field experiences. Designed for students interested in a teaching career, this pathway provides students an opportunity to develop skills in classroom management, lesson planning and instruction. Students will also develop a professional portfolio, which will summarize their experiences. After completion of the Teaching Professions program requirements, students will be eligible to earn college credits at any university in Ohio for an Introduction to Education course. College credits available.

See the Compact Career Catalog 2016-17.

Subject Selection Planning Sheet

Freshman Year

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Sophomore Year

Sophomore Standing Benchmark = 5.5 Credits

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Junior Year

Junior Standing Benchmark = 12.5 Credits

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Senior Year

Senior Standing Benchmark = 19 Credits

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26 Credits required for Graduation

Please refer to page 2 for a complete list of the THS Graduation Requirements

Recommended Core Curriculum for College:

- 4 Credits of English
- 4 Credits of Math up through and including Algebra 2
- 3 Credits of Science
- 4 Credits of Social Studies
- 2-3 Credits of Foreign Language
- 1 Credit of a Visual or Performing Art