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Columbian High School



# Curriculum Guide 2022-23

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## **Message From the Principal**

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This booklet is to assist students and their parents in planning a high school program. As selections are made, one should consider individual ability, needs, interests, and career desires. Lifetime success follows from a personal vision, the ability to remain future focused, and acting in a strategic manner. In today's society, with a global economy, a quality education is more important than ever before.

*"The mission of Tiffin Columbian High School is to create a learning environment where all students will be provided the opportunity to achieve at their full learning potential."*

Tiffin Columbian needs and wants the support of each parent to provide a quality educational program. We depend upon you to assist us in the growth, development, and success of your sons and daughters. Mutual respect and cooperative efforts are the driving forces that will allow us to accomplish that objective. Feel free to contact the school counselors to answer questions or concerns that you may have. We are here to serve you and are readily available to assist you in the development of an academic program appropriate for your student.

We encourage parents to persuade their student to participate in the co-curricular and extracurricular programs at Columbian. We have found that students involved in school activities perform better in the academic programs than those who are not involved.

**The Curriculum Guide is subject to change, as dictated by available district resources.**



## Columbian High School Course Selection Guide

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The purpose of the Curriculum Guide is to provide students and parents with general information about the courses available at Columbian High School.

Please take the time to review these course descriptions before you make your choices. A properly selected course of study will help you meet your future goals and ensure you graduate with the necessary credits and courses.

Tiffin City School's Mission statement states "Tiffin City Schools in partnership with students, families and community, will create a learning environment where all students achieve their full learning potential." Columbian High School is dedicated to fulfill that promise.

Please note: Course availability is subject to change.

## **MESSAGE FROM THE SCHOOL COUNSELORS**

Planning a course of study for the high school years is one of the most important steps that you as a student will take toward being prepared for meeting the challenges of the post-high school years. Therefore, you should take the time to review your goals, interests, and abilities before you make your course selections.

Start by asking yourself these questions:

- What is my previous school record?
- What are my special talents and abilities and how can I use them to the best advantage?
- Where am I headed after graduation?
- What are my long-range plans for the future—what do I want to be doing five or ten years after graduation?
- What high school courses or other optional courses do I need to get started toward these goals?

As counselors, we will work with each of you to select those courses which will be vital to your post-high school years. You are also encouraged to seek out the advice and counsel of your parents and teachers. Remember, the courses you select are the means of reaching your future goals. If they are not selected carefully and thoughtfully, you may become sidetracked and even lose sight of your post-high school goals.

## **COURSE REQUEST AND SCHEDULE CHANGES**

A completed Course Request sheet must be on file in the Guidance Office by May 1st of the previous school year. Courses will be selected for any student who does not turn in a completed Course Request sheet. After May 1st, a request for a schedule change will be granted **ONLY** if it meets one of the following criteria:

- to upgrade a course
- adding a course to replace study hall
- receiving the same teacher for a failed course upon the approval of present teacher, student, and prospective teacher
- notation made on the Course Request sheet
- to drop a course if teacher and student feel course is too difficult (written approval is needed from the teacher)
- irreconcilable schedule conflicts
- changes needed to schedule CCP courses
- if taking seven courses and need a study hall

Additionally, a schedule may be changed at the discretion of the administrators and counselors. No schedule changes will be made after the first 10 days of the semester unless teacher or counselor initiated.

A grade of "F" will be assigned to a student who withdraws after the 1st quarter in any first semester or year long course. A grade of "F" will be assigned to a student who withdraws after the 3rd quarter. In any second semester course. This grade will be calculated in the student's grade point average. To avoid this penalty students may make a level change where possible.

## **PARENTS ARE REMINDED THAT CHANGES IN STUDENT COURSE REQUESTS WITHOUT PRINCIPAL APPROVAL ARE NOT ALLOWED AFTER MAY 1, 2022.**

Be sure to make every effort to discuss with your son or daughter the selection of courses so that last-minute changes are not necessary. If parents have any questions about course selection or course content, call the Counseling Department, 419-447-6331, before May 1, 2022.

**Students not turning in a Course of Study Sheet will be assigned courses by the counselors.**

## **GRADUATION REQUIREMENTS**

The Tiffin City Board of Education desires that its standards for graduation align with standards of the Ohio Department of Education and our Board of Education.

The minimum requirements for graduation from Columbian High School are as follow:

Units								
Class	English	Social Studies	Math	Science	Health /PE	Electives	Total	State Requirements
2023 and beyond	4	3	4	3	1	6 <sup>1,4,5</sup>	21	See Guidance from ODE

1. Includes 1 credit of Business/Career Tech, Fine Arts, or World Language.
2. Mathematics credits must include 1 credit of Algebra II or the equivalent of Algebra II.
3. Science credits must include 1 credit of Physical Science, Biology, and 1 credit Advanced Study.
4. Students must complete at least two semesters of Fine Arts in grades 7-12. Students who successfully complete a career-technical pathway are exempted from the Fine Arts requirement.
5. 1/2 credit Financial Literacy.
6. Social Studies credits must include American History, World History and Government.

**For more information regarding Ohio High School graduation requirements and pathways, please go to [education.ohio.gov](http://education.ohio.gov) – search graduation requirements.**

### **BUSINESS, TECH, FINE ARTS, WORLD LANGUAGE REQUIREMENT**

The following courses may be counted for the Business/Career Tech, Fine Arts, World Language requirement:

All Art classes	Consumer Education
All Business classes	Economics
All World Language classes	All Sentinel/Vanguard classes except Cosmetology 10 & 11
All Music classes	Sentinel classes offered at Columbian

### **FINANCIAL LITERACY**

The following courses may be counted for the Financial Literacy requirement.

Agricultural Business Management	Economics
Career Exploration Program	Marketing Foundations
Consumer Education	Personal Finance

### **HIGH SCHOOL CREDIT FROM TIFFIN MIDDLE SCHOOL**

The following courses taken at TMS will be accepted for credit at the high school:

American History	Honors Algebra
Chinese	Spanish
Health	

### **STUDENTS SHOULD BE AWARE OF THE FOLLOWING REGULATIONS:**

1. Students need 21 credits for graduation.
2. Students are required to take five half credit classes per semester but are encouraged to take six.
3. All incoming ninth graders will be assigned to physical education unless a doctor's excuse or PE exemption form is on file. Incoming ninth graders interested in the Physical Education exemption should refer to the application in the Appendix.
4. Courses for which less than fifteen students register may not be offered.
5. A grade of "F" will be assigned to a student who withdraws after the 1st quarter in any first semester or year long course. A grade of "F" will be assigned to a student who withdraws after the 3rd quarter in any second semester course. This grade will be calculated in the student's grade point average. To avoid this penalty students may make a level change where possible.
6. **An Equal Opportunity School:** No student, on the basis of race, national origin, sex, or handicap, shall be subject to discrimination under any program or activity.
7. For athletic eligibility purposes all students must pass a minimum of five half credit courses each grading period. Please Note: Flag Squad and Physical Education count as 1/4 credit per

- semester. Students must maintain at least a 1.5 GPA during that grading period.
8. At the time of graduation each student will have fulfilled all course requirements and financial obligations.
  9. Any 12th grade student who continues in attendance to the completion of the school year, but fails to qualify for credit in one or more courses required for graduation, will not be eligible to participate in the formal commencement exercises where diplomas are awarded.

### **WEIGHTED COURSES**

Advanced Placement, Honors, Pre-Calculus and some CCP\* courses are weighted. By weighting these courses, students enrolled will be rewarded by receiving higher grade point averages with grades D- and above. Listed below is a comparison of nonweighted vs. weighted grade point values.

\* CCP courses are weighted where a comparable weighted subject is offered at Columbian (ie English). CCP courses are not weighted in nonweighted subject areas at Columbian (ie health)

<u>Non-weighted</u>		<u>Weighted</u>	
A	4.00	A+ or A	4.33
A-	3.67	A-	4.00
B+	3.33	B+	3.67
B	3.00	B	3.33
B-	2.67	B-	3.00
C+	2.33	C+	2.67
C	2.00	C	2.33
C-	1.67	C-	2.00
D+	1.33	D+	1.67
D	1.00	D	1.33
D-	0.67	D-	1.00
F	0.00	F	0.00

### **COLLEGE PREPARATORY PROGRAM RECOMMENDED FROM THE NATIONAL ASSOCIATION OF COLLEGE ADMISSION COUNSELORS**

4 credits of English  
 4 credits of Math including Algebra II  
 3 credits of Science (or 4 depending on major)  
 3 credits of Social Studies including World History, American History, and American Government  
 2 credits of the same World Language  
 1 credit of the Arts (any art or music department course)  
 1/2 credit Physical Education  
 1/2 credit Health  
 1/2 credit in the area of Financial Literacy

## DIPLOMA WITH HONORS

(go to: <http://www.education.ohio.gov> - search: Honors Diploma)

If you are interested in pursuing one of the following diplomas, please see your school counselor no later than the end of your junior year. It may not be possible to complete all course requirements after that time.

Criterion	Ohio Diploma	Academic Honors Diploma	International Baccalaureate Honors Diploma	Career Tech Honors Diploma	STEM Honors Diploma	Arts Honors Diploma (Includes dance, drama/theatre, music, and visual art)	Social Science & Civic Engagement Honors Diploma
Math	4 units; must include one unit of algebra II or equivalent	4 units; Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units; Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units; Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	5 units; Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content <sup>4</sup>	4 units; Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units; Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content
Science	3 units	4 units, including two units of advanced science <sup>2</sup>	4 units; biology, chemistry, and at least one additional advanced science <sup>2</sup>	4 units, including two units of advanced science <sup>2</sup>	5 units, including two units of advanced science <sup>2</sup>	3 units, including one unit of advanced science <sup>2</sup>	3 units, including one unit of advanced science <sup>2</sup>
Social Studies	3 units	4 units	4 units	4 units	3 units	3 units	5 units
World Languages	N/A	3 units of one world language, or no less than 2 units of each of two world languages studied	4 units minimum, with at least 2 units in each language studied	2 units of one world language studied	3 units of one world language, or no less than 2 units of each of two world languages studied	3 units of one world language, or no less than 2 units of each of two world languages studied	3 units of one world language, or no less than 2 units of each of two world languages studied
Fine Arts	2 Semesters	1 unit	1 unit	N/A	1 unit	4 units	1 unit
Electives	5 units	N/A	N/A	4 units of Career-Technical minimum <sup>3</sup>	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus in social sciences and/or civics
GPA	N/A	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT/WorkKeys <sup>1</sup>	N/A	27 ACT/1280 SAT <sup>8</sup>	27 ACT/1280 SAT <sup>8</sup>	27 ACT/1280 SAT/WorkKeys (6 Reading for Information & 6 Applied Mathematics) <sup>7</sup>	27 ACT/1280 SAT <sup>8</sup>	27 ACT/1280 SAT <sup>8</sup>	27 ACT/1280 SAT <sup>8</sup>
Field Experience	N/A	N/A	Complete a field experience and document the experience in a portfolio specific to the student's area of focus <sup>5</sup>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus <sup>5</sup>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus <sup>5</sup>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus <sup>5</sup>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus <sup>5</sup>
Portfolio	N/A	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts <sup>6</sup>	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts <sup>6</sup>	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts <sup>6</sup>	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts <sup>6</sup>	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts <sup>6</sup>
Additional Assessments	N/A	N/A	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent	N/A	N/A	N/A

NOTE: Items shaded in blue are changes that were made to the honors diploma system, including the entire STEM, Arts, and Social Science and Civic Engagement Honors Diplomas



**NOTES:**

For the Academic, International Baccalaureate, and Career Tech Honors Diplomas, students who entered the ninth grade between July 1, 2013 and June 30, 2017 may choose to pursue the diploma by meeting the requirements of these criteria or the previous criteria. Students entering the ninth grade on or after July 1, 2017 must meet these criteria.

Completion of any advanced standing program, which includes Advanced Placement, International Baccalaureate, College Credit Plus, and may include Credit Flexibility, can be counted toward the unit requirements of an Honors Diploma.

Students must meet all but one of the criteria to qualify for an Honors Diploma, and any one of the criteria may be the one that is not met.

Diploma with Honors requirements pre-suppose the completion of all [high school diploma requirements](#) in the Ohio Revised Code including:

½ unit physical education (unless exempted), ½ unit health, ½ unit in American history, ½ unit in government, and 4 units in English. The class of 2021 and beyond will need to have ½ unit in world history and civilizations as well.

<sup>1</sup> Writing sections of either standardized test should not be included in the calculation of this score. The Locating Information test is not included in the calculation of the WorkKeys score.

<sup>2</sup> Advanced science refers to courses 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 an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy).

<sup>3</sup> Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit.

<sup>4</sup> The fifth mathematics and science credit for the STEM honors diploma may be fulfilled with a single course.

<sup>5</sup> Field Experience refers to experiential learning in either an internship or apprenticeship. Students will document their experiences by describing their understanding in a portfolio.

<sup>6</sup> The student portfolio is a collection of experiential learning and competencies based on the student's field experiences. Students will engage with professionals or scholars in the field while developing their own portfolio or ePortfolio of original work that documents their technical, critical and creative skills representative of their honors focus; students' work must be reviewed and evaluated by scholars or professionals within the field/area of study in which the students' work is focused, and the scholars or professionals must be external to the district staff; students will give a presentation to showcase the work and provide an analysis of it to the school and local community. If the student does not complete a field experience, the portfolio can be based on a collection of work related to the student's honors diploma area of focus.

<sup>7</sup> Students must score a minimum of a 6 on the Applied Mathematics WorkKeys Assessment and a minimum of 6 on the Reading for Information WorkKeys Assessment in order to meet the WorkKeys score requirement. The WorkKeys option applies only to the Career Tech Honors Diploma.

<sup>8</sup> These scores are based on the 2016 ACT and SAT assessments. Concordance tables outlining equivalent scores for past and future tests that differ from the 2016 versions will be published on the ODE website. Tables to concord SAT assessments taken prior to March 2016 can be found [here](#). Further information on test concordance can be found [here](#).



## **EDUCATIONAL OPPORTUNITIES**

### **ADVANCED PLACEMENT PROGRAMS**

TCHS AP Mission Statement:

"The Advanced Placement program at Tiffin Columbian High School is committed to providing opportunities for all interested students to participate in rigorous, meaningful academic experiences. We believe such experiences will encourage students' success at the college level as well as prepare them to be productive and competitive contributors to society."

Are you ready for a unique learning experience that will help you succeed in college? Each year, students around the world who want to learn and achieve at the highest level become AP students. Through AP's college-level courses and exams, you can earn college credit and advanced placement and stand out in the admissions process. Over 90% of 4-year colleges in the U.S. provide credit and/or advanced placement for qualifying scores. In addition, AP courses can help you stand out in the college admissions process by showing your willingness to take the most rigorous courses available to you. (From the Collegeboard website – <http://sat.collegeboard.org>)

All students enrolled in AP classes are required to take the AP exam. AP exam fees are not collected for students enrolled in their AP course. However, a student will be charged an unused exam fee if the student drops an AP course from their schedule after October 1. The examinations are administered in May and are approximately three hours in length. Final examination grades are reported on a five-point scale: 5-extremely well qualified, 4-well qualified, 3-qualified, 2-possibly qualified, and 1-no recommendation. Final Exam grades are made available to students online. The AP tests are available to all students at Columbian High School.

Columbian offers the following Advanced Placement courses:

AP Biology	AP U.S. Government and Politics
AP Calculus (AB)	AP Psychology
AP English Literature and Composition	AP Spanish Language
AP English Language and Composition	AP U.S. History

See individual descriptions of each AP course under the appropriate department listings in this guide. Collegeboard offers more than 30 AP courses and exams. Students interested in AP courses not offered at Columbian are encouraged to check Virtual High School offerings. Please see [www.thevhs collaborative.org](http://www.thevhs collaborative.org), or consult the Collegeboard website, <http://sat.collegeboard.org>, for more information.

### **COLLEGE CREDIT PLUS (CCP)**

Some CCP classes are weighted. College Credit Plus allows students to take a college course and earn college plus high school credit while in high school, on a full- or part-time basis. The goal of this option is to promote rigorous academic pursuits and expose students to options beyond the high school classroom. Students may take college courses taught within the high school building, at the college campus, or a course taken online.

CCP requires two fundamental conditions:

- Student must be enrolled in both college and high school.
- Student will earn transcribed college and high school credit upon successful completion of the course.

Both student and parent should attend an informational meeting about CCP prior to enrolling in this program. This meeting will be held no later than February 1. The Counseling Requirement form and Intent to Participate form must be turned in to your Columbian school counselor by April 1 of the preceding school year of participation. Students/families will be responsible for tuition and course fees in any course deemed by the university to be an F (failure), W (withdraw) or W/F (withdraw/failure). For the most current information regarding College Credit Plus, please visit the Ohio Department of Education's CCP website at <https://www.ohiohighered.org/ccp/students-families>

## COLLEGE CREDIT PLUS (CCP) PROBATION AND DISMISSAL



### PROBATION & DISMISSAL

UNDERPERFORMING STUDENT RULE  
OHIO ADMINISTRATIVE CODE 3333-1-65.13

Rule 3333-1-65.13 went into effect starting summer term of the 2018-19 academic year, providing a definition of underperforming students and regulations for probation and dismissal from the College Credit Plus program.

**PLEASE NOTE:** This rule does not alter, supersede, or affect any college or university policy/procedure on satisfactory academic progress.

#### CCP PROBATION

A student is placed on CCP Probation when he or she either:

- Has earned lower than a cumulative 2.0 GPA in College Credit Plus courses.
- or
- Withdraws from, or receives no credit\* for, two or more courses in same term.

**While on CCP Probation, the student:**

- May *only* enroll in one College Credit Plus course for one college term (semester or quarter).
- May not enroll in the college course in the same subject in which student previously earned D or F or received no credit.\*

#### CCP DISMISSAL

A student is placed on CCP Dismissal when the student has failed to increase his or her GPA to above a 2.0 in College Credit Plus courses during the CCP Probation term.

- While on CCP Dismissal, the student may not enroll in any College Credit Plus courses for the following college term.
- After one college term on CCP Dismissal, the student may submit an appeal to request the secondary school to allow student to participate in College Credit Plus.

#### APPEALS

**Probation Appeals:**

- A student on CCP Probation may *only* appeal the ability to take a course in the same subject in which he or she previously earned a D, F, or received no credit.\*

**Dismissal Appeals:**

- After one college term on CCP Dismissal, the student may submit an appeal to the secondary school to allow the student to participate.
- The secondary school shall determine whether the student may continue on CCP Dismissal, move to CCP Probation, or participate without restrictions per the school's adopted policy.

**For both types of appeals:**

- Each secondary school is required create a policy to direct the school's appeal process, as described in [Ohio Administrative Code section 3333-1-65.13](#).
- Extenuating circumstances must be considered, separate from academic performance.

\*No credit\* under this rule has been interpreted to mean a transcript entry of W, NC, or equivalent.

October 24, 2018

### **CORRESPONDENCE COURSES**

High school courses offered through correspondence courses will be accepted for credit toward graduation only when they meet these criteria:

- Credits earned in correspondence schools which are directly affiliated with state universities will be evaluated by the school administration for students who wish to qualify for graduation from high school.
- Credits earned from schools that have been established primarily for correspondence study, rather than an institution primarily for residence study, will be evaluated by the school administration for students who wish to qualify for graduation from high school.
- All correspondence courses must be completed before the start of the following school year.
- Prior approval by Columbian High School administration.

### **COURSE RELATED TRIPS**

Course related trips may be offered through various departments as a supplement to the course. The amount of credit offered may vary.

### **CREDIT FLEXIBILITY**

The future that our students will encounter demands that we continue to make significant changes in teaching and learning and school design. State legislators understood this when they enacted Senate Bill 311 and directed the State Board of Education to adopt a plan that enables students to “earn units of high school credit based on a demonstration of subject area competency instead of or in combination with completing hours of classroom instruction.”

This plan for “credit flexibility” aligns with the state of Ohio’s vision for education, especially its emphasis on expanded learning opportunities and real world learning environments reflective of today’s realities. It acknowledges that Ohio’s competitiveness in the 21st century’s global economy requires that opportunities for innovation be enhanced, that our systems of learning become more flexible and more adaptive to the environments that surround them, and that our capacity and will to support student learning be expanded. (“New Emphasis on Learning,” June 2009, Ohio Department of Education.)

The type of credit flex are listed below:

Independent Study, Mentorship, Multi Disciplinary, Online, Testing Out and Other Credit Flex opportunities

Credit Flex application packets are available in the Counselor’s Office. Applications are due May 1 for first semester and Dec. 1 for second semester. Please read carefully.

### **EARLY GRADUATION**

#### **Definition**

The practice of facilitating completion of the high school program in fewer than four years for the purpose of providing earlier than typical access to post-secondary educational opportunities.

#### **Referral**

The Board acknowledges that most students derive the maximum scholastic and social benefits from a four-year high school program. However, students who accelerate through the District’s academic program and complete the requirements of the Ohio Department of Education are permitted to graduate early.

Early Graduation is available to high school students provided they follow all of the requirements established for this purpose.

Once approval for early graduation is established, the student becomes a member of the class in the school year in which his/her graduation requirements are completed.

Parents must request permission for Early Graduation for their son or daughter on an application obtained from the High School Guidance Department. This must be completed during registration for the anticipated final year of high school, May 1. See your counselor for a “Parent Request for Early Completion for Graduation” form.

The following criteria will be evaluated to determine early graduation eligibility.

- To graduate after seven semesters, a student must have 17 1/2 credits entering the senior year to participate in Early Graduation.
- To graduate after six semesters, a student must have 14 credits completed entering the final year of high school to participate in Early Graduation.
- Students must have met or are on track to meet one pathway to graduation prior to their proposed date of graduation.
- Students desiring Early Graduation must check with their high school counselor during registration for their final year to be certain that graduation requirements will have been completed prior to the issuance of the diploma.
- Diplomas will be issued upon completion of all graduation requirements.
- Upon withdrawal from school at the end of six or seven semesters, a student is no longer considered a member of the student body and will not participate in any school activities as a student with possible exception of the graduation exercises.

### **INTERCOLLEGIATE ATHLETES**

Students planning to participate in athletics in a Division I or II college, upon high school graduation, should register with NCAA and notify their high school guidance counselor. Please visit the NCAA Eligibility Center website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) to register and view a list of approved high school courses.

### **SUMMER SCHOOL**

Tiffin City Schools does not offer a summer school program. Sentinel students must be enrolled at SCTC to enroll in summer school courses. Any summer course taken at another high school must have a Columbian High School administrator's approval before enrolling. Students will only be permitted to take summer school classes for credit advancement if there is a scheduling conflict and the course does not have an Ohio State Test.

### **TORNADO ACADEMY**

Parents who wish to select a remote learning environment for their students may do so through the Tiffin City Schools Tornado Academy.

### **VIRTUAL HIGH SCHOOL COLLABORATIVE**

Virtual High School (VHS) enables a student to take classes via the Internet from teachers from other cooperating schools. Over 300 classes are available in the course catalog ranging from technical classes to AP Classes. Classes are either semester classes (1/2 credit) or full year classes (1 credit).

To be eligible for this option, students must have a GPA of 3.0 or higher and permission from the VHS Coordinator.

- VHS classes do not replace courses offered at Columbian unless approved by the administration.
- To view the course catalog visit: [www.vhscollaborative.org](http://www.vhscollaborative.org).
- VHS policies must be followed
- See your counselor for an application.

## **ART**

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**The purposes of the art program are:**

- To promote and encourage a technical and aesthetic means to enjoy the visual arts.
- To develop perceptual and intellectual art skills toward a career.
- To encourage good individual aesthetic judgment for use as an informed consumer.

The art department provides both year-long and semester classes. All classes promote creative thinking and problem solving through higher order thinking skills. Students will exhibit an understanding of art concepts through individual application in studio experiences.

## **CERAMICS I**

1/2 credit (grades 10-12)

The use of clay to make pottery is one of the oldest crafts in existence. It can be used to create everyday objects, sculpture, and other fine art objects. Ceramics will explore all the traditional and modern methods, including the use of molds. Students will use various types of clays, glazes, and application techniques to create their projects. Ceramic classes will also visit and look at various local businesses that manufacture clay products.

## **CERAMICS II**

1/2 credit (grades 10-12)

Prerequisite: B average or better in Ceramics I or teacher recommendation

This course is intended to continue to advance the study of ceramics. The main emphasis will be on student work, student growth in the medium, and student ability to create expressive, unified, and cohesive three-dimensional forms in clay. In addition to demonstrations of all clay techniques, the student will encompass art history, art appreciation, art criticism, aesthetics, and production. The primary emphasis will be on studio work to build a portfolio of finished pieces by the end of the semester. Students should have the ability to be self-directed.

## **COMMERCIAL ART**

1/2 credit (grades 9-12)

It is strongly recommended that students are computer literate before enrolling in this class.

Commercial Art explores the business side of art. Various aspects of commercial design are emphasized such as typography, layout, and design. A heavy emphasis will be placed on using computer applications such as Photoshop. Use of digital media (cameras, scanners) will also be incorporated.

## **DESIGN**

1/2 credit (grade 9-12)

This hands-on course is largely student driven with special attention paid to the design process. Students learn to work through assigned problems step by step with each project culminating with an event. Investigations into engineering, community, industrial design, and collaborative competition are often used as a guide for this exploratory class.

## **DIGITAL ART & PHOTOGRAPHY**

1/2 credit (grades 10-12)

This course is designed for students who are interested in learning the fundamentals of digital photography, manipulation and computer generated graphics. It will cover the elements of photographic composition, as well as the basic to intermediate features of Adobe Photoshop. The students will study Elements & Principles of Art to develop a visual understanding and apply critical thinking skills. The history of photography and the camera will be covered. It is strongly recommended that students are computer literate before enrolling in the class. **Students are required to have access to a still digital camera in order to take pictures inside and outside of the school building. Students are liable for damages to school-owned digital media equipment.**

## **DRAWING**

1/2 credit (grades 9-12)

Drawing is a studio course based on learning new drawing procedures, skills and techniques. Emphasis is placed on new media usage, sketchbook development, and the introduction of themes as an artistic statement. Drawing appreciation units will include art criticism and matting. Students with a serious interest in moving up to advanced art should consider this program.

## **PAINTING**

1/2 credit (grades 9-12)

This course will investigate painting mediums divided into two main categories. Watercolor, acrylic and oil painting medias will be explored. Subject areas such as landscapes, still life, figure painting, and

abstraction will be covered. An understanding of historical art styles and color usage will also be incorporated into this program.

### **SCULPTURE**

1/2 credit (grades 9-12)

This course is an intense investigation into multi-media, traditional and non-traditional sculpture techniques. Human form, non-representational art, found object art, and relief sculpture will be addressed. Students do not need experience with power tools, however a willingness to learn how to use them safely is required.

### **ADVANCED ART**

1 credit (grades 11-12)

Prerequisite: 1.0 credit of art maintaining a B average or teacher recommendation

This full-year course is designed for the student with a great interest in art forms of all kinds. Advanced Art is a partially independent unit where teacher and student develop and design projects based on advanced compositions as well as individual student interests. Field trips, community service projects, and class speakers also add to the realism of being an artist. Students may need to purchase equipment necessary for large or advanced work.

### **SENIOR PORTFOLIO**

1 credit (grades 11-12)

Prerequisite: B average in Advanced Art or teacher recommendation

An independent approach to all phases of art is offered in this most advanced full-year art offering. Conferences between teacher and student will tailor assignments to meet the student's needs for a college portfolio. School and community projects bring a new value and understanding to senior portfolio students. Students will be required to display and participate in all competitions and local displays. All assessments will be based on the advanced planning format. Students may need to purchase equipment for large/advanced art works.

### **ART INVESTIGATIONS**

1 credit (grade 12)

Prerequisite: A average in Senior Portfolio or teacher recommendation

Art Investigations is Columbian's highest level art class. Students work on thematic artwork based on a personal art philosophy. Portfolio development for college entrance will be the main objective of the class. Students will be prepared for college level requirements through the use of research and investigative processes learned in Senior Portfolio. Students may need to purchase equipment for large/advanced art works.

### **VIDEO TECHNOLOGY**

1/2 credit (grades 11-12, grade 10 with permission)

Video Technology covers the entire process of creating a good film. Writing, scripting, storyboarding, filming, editing, music, titles, and special effects are all part of the package. **Students are required to have access to a digital video camcorder in order to film inside and outside of the school building.** Digital camcorders are preferred as all final formats will be digital. This class is fast pace and requires a good deal of reading and the ability to be self-directed. **Students are liable for damages to school-owned digital media equipment.**

### **ADVANCED VIDEO TECHNOLOGY**

1/2 credit (grades 11-12)

Prerequisite: C or higher in Video Technology or teacher recommendation

In this project-based course students will use, analyze, and create video media for real world setting. This advanced course will provide an environment for creative expression through visual media. Students will learn the specialized vocabulary of the film and television industry and use it to express

themselves clearly and concisely in their writing about film. Students will develop ideas individually or within a group, compose a script, and complete video projects based on their script. Most importantly, students will study the art of filmmaking and the creative process that precedes any film. Students will study the impact of film and television on society. The curriculum is presented with facilitation of basic skills of film planning, filming, and editing learned in "Introduction to Video Production" for the development of student projects. Throughout the year, students will work in teams rotating through the various roles providing them with experiences in all aspects of video production. Each student will be expected to present a production they direct and digitally edit in some public forum. Internships may also be available in the area of video production. Students should be in good academic standing, self-motivated, and able to work without supervision.

## **BUSINESS EDUCATION**

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### **BUSINESS APPLICATIONS**

1/2 credit (grades 9-12)

The focus of this project-based course is on business productivity software applications and professional behavior in computing, including typing, word processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Students will learn computer applications commonly used in the business world, including MS Office Program and other software.

Students will have opportunities to demonstrate their knowledge through multiple independent and group projects, digital resources, presentations, quizzes, and tests. *Note: Students will utilize classroom computers on a daily basis.*

### **ENTREPRENEURSHIP**

1 credit (grades 11-12)

Prerequisite: Introduction to Business

How do you turn an idea into a business? This course focuses on recognizing a business opportunity, starting a business, operating and maintaining a business. In this project-based course students will engage in real-world experiences. Emphasis will be placed on networking, student work ethic, communication skills, and the commitment to excellence. Integration of accounting, finance, marketing, business management will be developed throughout projects in this course. Students will work to develop a business plan that includes structuring the organization, financing the organization, and managing information, operations, marketing, and human resources.

Various forms of technologies will be used to expose students to resources and application of business principles for starting, operating and maintaining a business. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. *Note: Students will utilize classroom computers on a daily basis.*

### **INTRODUCTION TO BUSINESS**

1 credit (grades 9-12)

Before you join the world of work, you'll need the important basics which can be provided in an introductory course in business. The experiences and content from this course can not only impact your future courses, but also your careers. Introductory high school business curriculum is where a real interest in business can start and turn into a passion for a fulfilling career. Students will get a taste of all sorts of career options available in this pathway and likely determine their next step from there.

The curriculum is designed to provide opportunities for students to advance their understanding of the field of business through education, knowledge creation, and the brokering of new and empowering connections. Courses are structured so that students may become innovative, principled and insightful leaders that possess both a local and global perspective. Students will have opportunities to demonstrate their knowledge both in and out of the classroom, through multiple independent and group projects,



community-based projects, simulations, presentations, quizzes, and tests. *Note: Students will utilize classroom computers on a daily basis.*

### **MARKETING FOUNDATIONS**

1 credit (grades 10-12)

This course introduces students to specializations within the business career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership and communications and personal financial literacy will be addressed.

Enrolled students will have the opportunity to join the student organization DECA, as well as earn industry credentials recognized by the Ohio Department of Education to use toward graduation requirements.

### **MARKETING PRINCIPLES**

1 credit (grades 11-12)

This is the first course in the Marketing career field. It introduces students to the specializations offered in Marketing. Students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles and international business. Technology, leadership and communications will be incorporated in classroom activities.

Enrolled students will have the opportunity to join the student organization DECA, as well as earn industry credentials recognized by the Ohio Department of Education to use toward graduation requirements.

### **MARKETING APPLICATIONS & INTEGRATED MARKETING COMMUNICATIONS**

2 credits (grades 11-12)

Students will develop and implement marketing strategies and techniques across marketing functions: channel management, marketing research, market planning, pricing, product/service management and branding. They will use marketing operations procedures and activities to ensure marketing's efficiency and effectiveness. Students will generate, screen, and develop new product ideas. They will predict economic trends and conditions and determine how cultural intelligence can impact organizations. Technology, employability skills, leadership and communications will be incorporated in classroom activities. Students will create, execute, and evaluate promotional strategies and content for advertising, sales promotion, and publicity/public relations. They will apply project management techniques to guide and control promotional campaign development and execution. Students will incorporate motivation theories, branding techniques and design principles in communications with targeted audiences. They will plan and implement procedures to use marketing communications that mitigate image or brand-damaging issues. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

Enrolled students will have the opportunity to join the student organization DECA, as well as earn industry credentials recognized by the Ohio Department of Education to use toward graduation requirements.

### **PERSONAL FINANCE**

1/2 credit (grades 10-12)

Did you ever hear someone say, "I sure wish someone had taught me about money when I was in school"? Well, this is just what is happening in this Personal Finance course. We'll cover basic money management topics such as budgeting, borrowing, earnings, investing, financial services, identity protection, and insurance.

Focus is on applying the concepts to your personal situation, which is re-enforced through projects,

presentations, worksheets, tests, and quizzes. Course is designed to utilize technology in the classroom, including digital workbooks, computer simulations, and online assessments. *Note: Students will utilize classroom computers on a daily basis.*

### **YOU AND THE LAW**

1/2 credit (grades 10-12)

You & the Law is a semester long elective that serves as an introductory course to law and legal systems in the United States. Units will include... Introduction to Law, Constitutional Law, Criminal Law, Civil Law, and the Criminal Justice Process.

Like any introductory course, You & The Law is a survey; we will touch on broad and specific legal topics to give students a better understanding of law and how it affects you in real life. We will use case studies, individual research, group discussion, guest speakers, and mock trials throughout the course in order to reach our goal. Dueling opinions and lively discussion should be the norm in this course making the class fun, enriching and meaningful. *Note: Students will utilize classroom computers on a daily basis.*

## **COLLEGE CREDIT PLUS AT TC**

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### **ANATOMY AND PHYSIOLOGY (CCP WITH UNIVERSITY OF FINDLAY)**

1 credit (grade 10-12)

Prerequisite: A full year of Biological Sciences

This class is an introduction into basic anatomy and physiology of the human body. Dissection is a major component of this class. The course is designed for the student who is thinking of any career in the medical field, whether they plan to attend a four-year college or tech school.

### **COLLEGE AND CAREER SUCCESS (CCP WITH TERRA STATE)**

1 credit (grades 9-12) (3.0 credit hours of college credit)

This course is designed to aid students in gaining success skills needed for constructive and efficient learning both in college and other life settings. Topics include punctuality and discipline, study and test-taking skills, critical thinking/problem solving, library use, and a variety of techniques in oral and written communication. Workplace topics such as reliability, teamwork and collaboration, creativity/innovation, leadership, professionalism, techniques to demonstrate a commitment to being drug-free, and a respect for global/intercultural awareness will be explored. Students will also self-advocate and articulate their strengths, knowledge, and experiences relevant to post-secondary education employment success.

### **OCEANUS (CCP WITH UNIVERSITY OF FINDLAY)**

1st semester / 3 credits / no lab component

Pre-Requisite: Physical Science or Biology. Students must apply and be accepted to the University of Findlay to take course.

This is an integrated science course focusing on the marine environment to convey global science concepts. The course investigates physical, chemical, geological, and biological resources, ocean-atmosphere interactions, and current global environmental issues and is intended for non-science majors.

### **ENVIRONMENT AND SOCIETY (CCP WITH UNIVERSITY OF FINDLAY)**

2nd semester / 3 credits / no lab component

Pre-Requisite: Physical Science or Biology. Students must apply and be accepted to the University of Findlay to take course

Environment and Society studies the dependency of humans on their natural environment while emphasizing conservation, sustainability, and energy efficiency. The course initially examines the structure and function of ecosystems. The course then examines man's impact up on ecosystems and public health by identifying various sources of air contaminants, water contaminants, and soil

contaminants and the composition of municipal and industrial waste. Current writings and events related to the environment are identified and discussed. Public officials and governmental bodies and processes that protect human health and the environment are also examined.

### **VIDEO GAME PRODUCTION (CCP WITH HEIDELBERG)**

1 credit (grades 9-12) (3.0 credit hours of college credit)

This course will give students the theoretical and hands-on understanding of video game development. Students will be introduced to video game history, art, design, programming, management, ethical issues and distribution. The course will include various software tools that are critical in the video game production process. Students will create their own video games that will serve as a final project.

## **ENGLISH**

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### **ENGLISH 9**

1 credit

English 9 focuses on literature that highlights the theme of Coming of Age. Building on their knowledge of literary elements in traditional literary genres, students study the relationship between narrative voice and style, while also analyzing literary and stylistic elements in film and literature. They develop persuasive writing skills by using rhetorical appeals. Performance and oral interpretation of literature build students' speaking and listening skills. Research continues to play an important role as students evaluate social, cultural, and historical influences on texts. Students also continue to evaluate their use of strategies. An emphasis is placed on real-world application of speaking, writing, reading, and technology skills required for college and career readiness. This is a course requiring students to be independent and collaborative learners. The pace and amount of content covered will be rigorous and challenging for all learners.

### **HONORS ENGLISH 9**

1 credit

Prerequisite: A or B in Advanced English 8 or file review / teacher recommendation

Honors English 9 focuses on literature that highlights the theme of Coming of Age. Building on their knowledge of literary elements in traditional literary genres, students study the relationship between narrative voice and style, while also analyzing literary and stylistic elements in film and literature. They develop persuasive writing skills by using rhetorical appeals. Performance and oral interpretation of literature build students speaking and listening skills. Research continues to play an important role as students evaluate social, cultural, and historical influences on texts. Students also continue to evaluate their use of learning strategies. The pace and amount of content covered will be accelerated throughout the course. The Language Arts program is designed to prepare students for success in future AP courses.

### **ENGLISH 10**

1 credit

English 10 focuses on the concept of culture and community, and examines how these influences shape identity and perspective. Students read and analyze works of world literature, with emphasis on analysis of how stylistic choices and rhetorical elements shape tone in persuasive and argumentative texts, both print and nonprint. Students deconstruct writing prompts and write a synthesis essay that incorporates perspectives from multiple sources, an important writing skill. Students develop their independent learning skills as they respond to opportunities for self-evaluation. An emphasis is placed on real-world application of speaking, writing, reading, and technology skills valuable beyond high school.

Student success in this course requires them to engage in whole group speaking and collaboration opportunities in the classroom. The pace and amount of content covered will be rigorous and challenging for all learners. An emphasis is placed on real-world application of speaking, writing, reading, and technology skills required for college and career readiness.

**Students will take Ohio State Test English Language Arts II.**

## **HONORS ENGLISH 10**

1 credit

Prerequisite: A or B in Honors 9 or comparable course with teacher recommendation

Honors 10 prepares students to engage on a higher intellectual level required for English Advanced Placement courses. The course focuses on the concept of culture and community, and examines how these influences shape identity and perspective. Students read and analyze works of literature, with emphasis on analysis of how stylistic choices and rhetorical elements shape tone in persuasive and argumentative texts, both print and non-print. Students deconstruct writing prompts and write a synthesis essay that incorporates perspectives from multiple sources, an important AP skill. Students develop their independent learning skills as they respond to opportunities for self-evaluation. The pace and amount of content covered will be accelerated throughout the course. The Language Arts program is designed to prepare students for success in future AP courses.

**Students will take Ohio State Test English Language Arts II.**

## **ENGLISH 11**

1 credit

English 11 focuses on American fiction and nonfiction, using literary and other texts to present the iconic idea of the American Dream. Students research historical and contemporary texts as they articulate the origins and impact of the ideals and realities of the American Dream on life today and on personal thinking. Students are expected to articulate personal convictions and propose solutions to social issues. Writing in a variety of modes—personal essays, opinions and editorials, credos, reflective self-evaluation, speeches, satire, dramatic scripts, surveys, literary analyses, and research projects—students expand their skills in communicating well through written and spoken language. Instructional elements to help prepare for the ACT and the PSAT will promote test readiness in students. The pace and amount of content covered will be rigorous and challenging for all learners.

## **AP ENGLISH LANGUAGE AND COMPOSITION**

1 credit

Recommendation: Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.

Fulfills English 11 or English 12 graduation requirements

AP Language and Composition focuses on literary and informational texts to present universal topics—ethics, gender, politics, culture, education, and personal identity. To model the modes of writing expected on the AP test and in college-level course work, students will frequently write under specific time constraints. Students will articulate personal convictions and propose solutions to social issues presented in writer's arguments. Students will synthesize a variety of sources to create a cogent argument of their own design. Students will recognize and analyze the effectiveness of rhetorical strategies used in a text. Upon completion of the course, students are required to take the AP Language and Composition exam.

## **ENGLISH 12**

1 credit

English 12 capitalizes on the confidence and expertise students have gained as interpreters and analyzers of texts by introducing them to multiple lenses through which to view text. Students are asked to broaden their understanding and their interpretive skills by thinking deeply about themes and ideas from multiple perspectives. Using Historical, Cultural, Feminist, Marxist, and Archetypal Criticism, students learn to view texts through some of the filters that result in multiple interpretations of the same text or media story. Students apply the theories of criticism to their own reading and to interpretation of both fiction and nonfiction texts.

English 12 is designed to expand students' language skills and foster a lifelong appreciation for reading, writing, and communication. English 12 students will refine skills required in the workforce and academic world beyond high school.

## **AP ENGLISH LITERATURE AND COMPOSITION**

1 credit

Recommendation: Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.

Fulfills English 11 or English 12 graduation requirements

Students in AP Literature and Composition will broaden their understanding of literature by reading rich, rigorous classic and contemporary fiction, poetry, drama, nonfiction, and visual texts. Students will apply high-level thinking skills during frequent Socratic seminars and present both informal and formal speeches. Writing in a variety of modes expected in a college introduction to literature course, students will produce creative pieces, research projects, film and literary analysis essays and collaborative projects that demonstrate a strong command of voice, purpose, and clarity. Upon completion of the course, students are required to take the AP Literature and Composition exam.

## **PUBLIC SPEAKING/ COMMUNICATION**

1/2 credit (grades 9-12)

This course in basic oral communication includes instruction and practical speaking experience. The course will start with students developing an understanding of the basics of communication and then will cover how to build a speech with focus on research, audience, content, organization, and visual aids. The course will also cover how to perform a speech by giving consideration to poise, voice, eye contact, gesture, and speed. Students will deliver a variety of speeches on a wide array of topics chosen by them and will hone the skills to be better presenters and communicators. Students can expect to build and perform at least 8-10 speeches during the course of the semester.

## **YEARBOOK**

1 credit (grades 9-12) repeatable

Prerequisite: Teacher Recommendation or Application

Yearbook is a year-long class for students who are interested in working on the high school annual. Students will be responsible for layouts, photography, sales campaigns, copywriting, and graphic design. Access to a digital camera and computer knowledge is beneficial. The course requires out-of-class time to complete assignments. Note: Yearbook is a class where students are treated as professionals. Students need to be motivated, organized, hard-working, and will be held accountable to the team for their actions and final product.) and are interested in advanced design and leadership roles. Students are responsible for choosing the high school annual's theme and page designs, as well as advanced layout, photography, writing, and ad sales campaigns. Adobe InDesign and PhotoShop will be used to complete these tasks. Opportunities for training with professionals in the graphic and computer design fields also are included.

**Note: Yearbook is not an NCAA Approved Course.**

## **GRADUATE PATHWAY TO SUCCESS AT COLUMBIAN**

Tiffin University and Tiffin City Schools have partnered to offer the Graduate Pathway to Success program. The partnership enables students to take college courses during the high school day. These courses will lead to the completion of 36 to 48 college credits in high-demand, high-quality career fields. The GPS program is available for students 9-12.

## **DIGITAL LITERACY & TECHNOLOGY READINESS (CST111)**

1 credit (grades 9-12) (3.0 credit hours of college credit)

**\* This course is part of the Graduate Pathway to Success with Tiffin University**

This course is a survey of basic computer concepts and the MS Office Applications Suite. Topics covered include responsible use of information technology, hardware concepts, word processing (Word), the use, development and maintenance of spreadsheets (Excel), the creation of electronic presentations (PowerPoint), and an introduction to databases (Access). This is a hands-on skills and a conceptual course. Participants will be required to demonstrate software proficiency in the lab, as well as through objective written tests.

### **INTRODUCTION TO PSYCHOLOGY (PSY101)**

1 credit (grades 9-12) (3.0 credit hours of college credit)

Introduction to psychology as a behavioral science, including historical background, human development (genetic and physical) from birth through death, the senses and perception, intelligence and creativity, and the principles of conditioning, learning, memory, and forgetting.

### **PRINCIPLES OF SOCIOLOGY (SOC101)**

1 credit (grades 9-12) (3.0 credit hours of college credit)

Introduction to the basic concepts of sociological study, elements of social life, social patterns and institutions, and the process of maintenance and change in society.

### **SURVEY OF HEALTH ISSUES (NAT220)**

1 credit (grades 9-12) (3.0 credit hours of college credit)

Health decisions made today are the building blocks for future personal health. This course will assist the student in making personal health decisions by introduction of resources and information pertaining to various health issues, health trends and examination of issues pertinent to the life of today's college student.

## **MATHEMATICS**

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### **ALGEBRA I/HONORS ALGEBRA I**

1 credit (grades 9-12)

Prerequisite Honors Algebra I: B+ or higher in Pre-algebra or Advanced 8th Grade Math

Honors Algebra is an accelerated course where the pacing is quicker and there will be more expected of the student.

It is strongly recommended that all students buy graphing calculators to help with the Ohio State Test.

Algebra is a way to solve problems and to mathematically understand the world around us. Intended for all students, algebra uses symbols such as "x" and "n" to represent numbers. Using symbols in this way makes it easier to study number patterns and to solve problems. Topics include basic probability and statistics, solving equations and real-life word problems, graphs of equations and functions, exploring exponents, radicals, polynomials, and graphing calculator technology. Students will have to take the Algebra I Ohio State Test.

### **GEOMETRY / HONORS GEOMETRY**

1 credit (grades 9-12)

Prerequisite for Geometry: Algebra I

Prerequisite for Honors Geometry: B or higher in Honors Algebra I or A-or higher in Algebra I, Honors Geometry is an accelerated course where the pacing is quicker and there will be more expected of the student.

It is strongly recommended that all students buy graphing calculators to help with the Ohio State Test.

All of us take many things for granted. As we learn, we would hope to rely more on reason and proof and less on beliefs and guesswork. In geometry we learn how to prove a statement formally, emphasizing the improvement of one's logic and reasoning ability. Geometry will also offer a practical setting in which to use your arithmetic and algebra. Some topics included are lines, segments, angles, triangles, quadrilaterals, polygons, circles, three-dimensional geometry, and the development and proving of these figures. This course will also help students review the standards for the Ohio State Tests.

### **COLLEGE PREP ALGEBRA II / HONORS ALGEBRA II**

1 credit (grades 10-12)

The purchase of a TI-83 or TI-84 graphing calculator is required.

Prerequisite for College Prep Algebra II: Algebra I and Geometry

Prerequisite for Honors Algebra II: B or higher in Honors Geometry or A- or higher in Geometry Honors  
College Prep Algebra II is an accelerated course.

The study of the structure of number systems and the thought processes developed in this course will carry over to the problem-solving techniques needed in your future everyday lives. Review of Algebra I takes place along with a more in-depth study of simplifying, factoring, solving, and evaluating where "x" is involved. Irrational and complex numbers, logs and exponentials, sequences and series, the binomial exponential theory and trigonometry are also covered. You will need this course for college and it would give you a head start for technical schools.

### **Algebra II**

1 credit (gr. 11) Must be followed by Math IV during senior year.

Prerequisite: Algebra I and Geometry

The study of the structure of number systems and the thought processes developed in this course will carry over to the problem-solving techniques needed in your future everyday lives. Review of Algebra I takes place along with a more in-depth study of simplifying, factoring, solving, and evaluating where "x" is involved. Irrational and complex numbers, logs and exponentials, sequences and series, and the binomial exponential theory are also covered. You will need this course for college and it would give you a head start for technical schools. This course covers the first half of Algebra II.

### **ALGEBRA III**

1 credit

The purchase of a TI-83 or TI-84 graphing calculator is required.

Prerequisite: A student must pass Algebra 1 and Geometry, and either have passed or completed a full year of Algebra II.

This course is designed for students who are interested in strengthening and increasing their math skills and knowledge. It is intended for students who will probably not pursue mathematics in college, or for students who wish to take more mathematics. Topics studied include: sequences and series, probability and statistics, linear relations, graphs and families of graphs, polynomials, trigonometry, conic sections, and exponentials and logarithms and linear equations and inequalities.

### **MATH IV**

1 credit (grade 12)

Prerequisite: Algebra II

The study of the structure of number systems and the thought processes developed in this course will carry over to the problem-solving techniques needed in your future everyday lives. Review of Algebra I takes place along with a more in-depth study of simplifying, factoring, solving, and evaluating where "x" is involved. Irrational and complex numbers, trigonometry, logs and exponentials, sequences and series, and the binomial exponential theory are also covered. You will need this course for college and it would give you a head start for technical schools. This course covers the last half of Algebra II. This course is designed for students transitioning to the work force or pursuing military options.

### **PRE-CALCULUS**

1 credit (grades 11-12)

The purchase of a TI-83 or TI-84 graphing calculator is required.

Prerequisite: B or higher in Honors Algebra II or A- or higher in Algebra II or Algebra III or math department recommendation is needed to register for Pre-Calculus.

This course is intended to bridge the gap between Algebra II, Algebra III, and AP Calculus. Students desiring to take engineering courses or major in college math or science should consider this course. Pre-Calculus includes a comprehensive treatment of many different functions, trigonometry, parametric and polar equations, analytic geometry, and graphing technology.

### **AP CALCULUS**

1 credit (grade 12)

The purchase of a graphing calculator is required.

Recommendation: Students should complete four years of secondary mathematics designed for college-



bound students.

Calculus is the mathematics of motion and change. Where there is motion and growth, where variable forces are at work producing acceleration, calculus is the right mathematics to apply. AP Calculus is designed to provide the highly motivated math student an opportunity to study calculus. The course will consist of an in-depth study of some rigorous topics as velocity and rate of change, limits, derivatives, integration, transcendental functions, areas between curves, and volumes of solids of revolution. All students are required to take the Advanced Placement exam which may lead to college placement and/or credit.

## **MUSIC**

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### **BAND**

1 credit (grades 9-12)

High school band provides many varied musical experiences for the instrumental student. Each performing group will continue to develop the individual as a musician and the fundamentals of good performance, while performing music which is challenging, educational, and enjoyable.

All band students 9-12 will participate in the Tornado Marching Band unless they are involved with a Fall sport with permission from the band director and coach. Attendance at all performances is required.

At the conclusion of marching season, all students will audition for placement in Concert Band or Wind Ensemble. Placement will depend on instrumentation, balance of each band, and the performance level of each student.

Sentinel band students who have afternoon Sentinel classes that conflict with band **may** elect to take "Marching Band Only" due to the afternoon Sentinel class conflict. Others can still participate in band for the full year, on an abbreviated schedule. Otherwise, band is a full year commitment for all band students.

The Concert Band/Wind Ensemble will perform at school concerts, band contests, festivals, and other community events. Attendance at all band events is required. Other performance opportunities for band members include Jazz Band, Basketball Pep Band, and small ensembles. Membership in these groups will be by audition, select instrumentation, or on a volunteer basis—each will be decided by the director.

### **FLAG SQUAD**

1/4 credit (grades 9-12)

Semester course. By audition only.

### **BLUE CHORUS**

1 credit (grades 9-10)

This is an introductory course to choral music, stressing fundamentals of choral singing, music reading, interval recognition, correct vocal techniques, focusing on two and three-part singing, and stage presence. Concert attendance is required. This ensemble meets 2<sup>nd</sup> period and is open to any Columbian student singing in the tenor or bass range. This is a co-curricular class.

### **GOLD CHORUS**

1 credit (grades 9-10)

This is an introductory course to choral music, stressing fundamentals of choral singing, music reading, interval recognition, correct vocal techniques, focusing on two and three-part singing and stage presence. Concert attendance is required. This ensemble meets 3<sup>rd</sup> period and is open to any Columbian student singing in the soprano or alto range. This is a co-curricular class.

### **CONCERT CHOIR**

1 credit (grades 11-12)

Concert Choir is a mixed SATB ensemble and is open to all students who exhibit energy, enthusiasm, a desire for vocal excellence, and an academic curiosity for excellent choral literature. Choir members must possess the ability to express this vocal desire in the performance of music. Concert attendance is required. This is a co-curricular class.

### **MUSIC THEORY I**

1/2 credit (grades 9-12) semester course

Prerequisite: Must be in band or choir or teacher recommendation

Music Theory is intended for the future music major and students currently enrolled in band or choir. The beginning level of music theory covers concepts such as pitch, rhythm, melody, harmony, scales, and beginning composition.

### **MUSIC THEORY II**

1/2 credit (grades 9-12) semester course

Prerequisite: Music Theory I or teacher recommendation

The secondary level of music theory expands the concepts covered in Music Theory I through advanced composition and analysis of other composers' works.

## **PHYSICAL EDUCATION**

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### **FITNESS FOR LIFE**

1/2 credit (grades 10-12)

Prerequisite: Successful completion of Physical Education requirement or teacher recommendation

Physical Fitness for Life is designed to educate students about the benefits and importance of physical fitness for life. The students will gain an understanding of the importance of exercising, cardiovascular improvement, weight training, flexibility, and other fitness activities. Students will improve their body composition, cardiovascular capacity, muscular endurance, and flexibility by participating in the everyday activities of physical fitness for life.

Physical Fitness for Life will include activities such as circuit training, which may include a combination of exercise stations involving abdominal work, squat thrusts, jump rope, walking, jogging, running, push-ups, wall-sits, mountain climbers, tri-pods, bear crawls, etc. Other activities may also include aerobic training regiments as well as learning how to take and record their own individual heart rates. Students will develop and utilize a daily target log to record their heart rates.

This course does not satisfy the physical education requirement for graduation.

### **HEALTH**

1/2 credit (9-12)

There is nothing more basic to our lives than the development and maintenance of good health. This process is best promoted when young people are given the opportunity to acquire accurate health information and to development healthful attitudes and behavior patterns. The health course presents material students need in order to understand how to become and to stay healthy.

### **P.E. SPORTS**

1/2 credit (grades 11-12)

Prerequisite: B average or better in Physical Education or teacher recommendation

This is an advanced physical education class designed to provide an opportunity for students with average or above athletic skills to develop an appreciation and aptitude for lifelong sports activities. Tennis, volleyball, basketball, and badminton are some of the activities offered. Grades are determined by proper dress, attendance, participation, written unit tests, and a semester exam.

This course does not satisfy the physical education requirement for graduation.

### **PHYSICAL EDUCATION**

1/2 credit (grade 9) year course (1/4 credit given per semester)

Physical education is a co-educational course which has two objectives. One aim of the course is to present a program of activities based upon physical growth, leisure time, recreational skills, lifetime fitness, desirable patterns of social behavior, safety abilities, and proper attitudes. We try to select, organize, and guide activities suited to the needs, capacities, and interest of everyone taking part.

The other major emphasis will be placed on individual physical fitness through exercise and weight lifting. Students will be expected to strive to improve their strength, physical stature, and cardiovascular development through regularly scheduled sessions both in the weight room and on Columbian's track facility. We promote proper wellness for all students. Proper dress, attendance and participation are required.

A student who, during high school, has participated in interscholastic athletics, marching band, flag squad or cheerleading for at least two full seasons is not required to complete any physical education courses as a condition to graduate. However, the student is required to complete one-half unit, consisting of at least 60 hours of instruction, in another course of study. The exemption will begin with the graduating class of 2013 and each successive class thereafter.

### **SPEED STRENGTH & READINESS**

1/2 Credit (Grade 9-12)

Semester Course

Prerequisite: Physical Education and /or participation in at least one interscholastic/extra-curricular sport or teacher recommendation

This course is designed for all students interested in developing and improving in the areas of physique, muscle tone, and physical fitness. The students will learn proper techniques of weight training as well as a variety of exercise regimens that will improve overall physical strength. It will include components and concepts of physical fitness, nutrition, body composition, and flexibility. A total general body workout will be emphasized, as well as a variety of aerobic activities.

This course does not satisfy the physical education requirement for graduation.

## **SCIENCE**

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### **PHYSICAL SCIENCE 9**

1 credit (grade 9)

This course examines the basics of the physical sciences as they relate to the natural world. Topics covered will include motion, forces and energy as well as structure, characteristics and behavior of atoms and molecules.

### **HONORS PHYSICAL SCIENCE 9**

1 credit (grade 9)

Prerequisite: Successful completion of OR concurrently taking Honor's Algebra I or teacher recommendation

This course examines the basics of the physical sciences as they relate to the natural world through scientific inquiry. Topics covered will include motion, forces and energy as well as structure, characteristics and behavior of atoms and molecules.

## **BIOLOGY 10**

1 credit (grade 10-12)

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication, skills and real-world applications.

**All students will take the Ohio State Test for Biology.**

## **HONORS BIOLOGY 10**

1 credit (grade 10-12; grade 9 with recommendation)

Prerequisite: Physical Science 9 or teacher recommendation

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

**All students will take the Ohio State Test for Biology.**

## **ANATOMY AND PHYSIOLOGY**

1 credit (grade 10-12)

Prerequisite: A full year of Biological Sciences

This class is an introduction into basic anatomy and physiology of the human body. Dissection is a major component of this class. The course is designed for the student who is thinking of any career in the medical field, whether they plan to attend a four-year college or tech school. **Additional credit may be issued for CCP.**

## **AP BIOLOGY**

1 credit (grades 11-12)

Recommendation: Prior high school courses in biology and chemistry; or AP Biology and Chemistry taken concurrently.

There is nothing more amazing than a living organism, whether it be the smallest bacterium or the largest animal, the blue whale. If you would enjoy a fast-paced study of the structure of living things, how they survive, and what effect they have on other living things around them, then this course may be for you.

Advanced Placement Biology is designed to provide the highly motivated student with the opportunity to study introductory college-level biology. The course will consist of an in-depth study of such topics as cells, genetics, heredity, biological chemistry, evolution, taxonomy, organisms, and ecology. Daily lessons will alternate between lecture, discussion, laboratory, and field work. Special emphasis will be placed upon the proper analysis of data collected in experimentation. **All students are required to take the Advanced Placement exam which may lead to college placement and/or credit.**

## **ENVIRONMENTAL SCIENCE**

1 credit (grades 11-12)

Environmental Science covers geological events, ecosystems, population dynamics and biodiversity in the first semester. The course includes air and water pollution, climate change, as well as land use in the second semester.

This course does not count towards college prep requirements.

## **CHEMISTRY**

1 credit (grades 11-12; grade 10 with recommendation)

Prerequisite: Physical Science 9, Biology 10 or Honors Biology 10

This course is the general study of the classification and structure of matter and the predictive interactions of matter. The strong lab component of chemistry requires inquiry based learning in order to incorporate scientific reasoning, analysis, communication and real-world applications. An understanding of the formation of leading theories guides students in the area of evaluation, prediction, and application. Chemistry is aimed at students who are planning to pursue a four-year college degree after high school.

## **HONORS CHEMISTRY**

1 credit (grades 11-12; grade 10 with recommendation)

Prerequisite: Currently taking Algebra II, B- or higher in Honor's Biology 10, A- or higher in Biology 10 or teacher recommendation

Honors Chemistry is the in depth study of the classification and structure of matter and the predictive interactions of matter. The strong lab component of chemistry requires inquiry based learning in order to incorporate scientific reasoning, analysis, communication and real-world applications. An understanding of the formation of leading theories guides students in the area of evaluation, prediction, and application. Honors Chemistry is aimed at students who are planning to pursue science and/or math majors at college. The emphasis will be to provide students with a background enabling them to be competitive with their college peers.

## **PHYSICS**

1 credit (grades 11-12; grade 10 with recommendation)

Prerequisite: Geometry, Physical Science or teacher recommendation

Physics is the science of matter concerned with structure, properties, and behavior. The class work will stress understanding the concepts of physics and how they relate to the things and events of the everyday environment. Much of the course will be answering questions to relate the concepts to the everyday world. The basics of motion, energy, waves, electricity and magnetism will be covered as time allows.

# **SOCIAL STUDIES**

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## **AMERICAN HISTORY**

1 credit (grades 9-12)

American History at Columbian High School starts out with a review of significant historical documents, including the Declaration of Independence, the Constitution, and the Northwest Ordinance. The course then picks up with the Reconstruction Era after the Civil War examining the impact of this period on future race relations. The impact of urbanization and immigration are explored, as well as the reforms of the Progressive Era. The course continues with an examination of the causes and effects of U.S. involvement in World War I. The 1920s are studied with an emphasis on social and political changes leading to the economic crisis of the Great Depression. After studying the Great Depression, World War II becomes a major focus. The relationship between the outcome of World War II and the Cold War is examined in-depth, with emphasis on the Korean War and the Vietnam War. The course continues to current times, with an examination of both domestic and foreign conflicts shaping our nation today.

**Students will take the Ohio State Test for American History.**

## **WORLD HISTORY**

1 credit (grades 10-12)

World History at Columbian High School will examine world events from 1600 to present day, with an emphasis on the western civilization perspective. This course will begin with the Reformation period. The Reformation will establish the environment for the Scientific Revolution and the Age of Enlightenment. Students will explore the cause and effect of the Age of Enlightenment which will lead into the Age of Revolutions, as well as European Imperialism. After the study of Imperialism, the course

will examine WWI and WWII. The class will also cover the rise of totalitarian governments, and view the wars in a European perspective. After the completion of WWII, we will examine the Cold War and complete the course with Globalization.

### **CONSUMER EDUCATION**

1/2 credit (grades 9-12)

Note: This course is not a college prep class and does not meet NCAA Clearinghouse requirements

This course takes the student through the process of learning how to manage personal resources and making decisions. The student will gain knowledge of economics, personal finance, and consumer rights and responsibilities now and in the future. The goal is for the student to be able to function as a more independent, productive, and informed citizen. This course fulfills the required financial literacy credit.

### **AP U.S. HISTORY**

1 credit (grade 11-12)

Recommendation: Students should be able to read a college-level textbook and write grammatically correct, complete sentences.

The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge needed to deal critically with the problems and materials in American History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials - their relevance to a given interpretive problem, reliability, and importance - and to weigh the evidence and interpretations presented in historical scholarship. This course will help the student develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. All students are required to take the AP exam at the end of the course.

### **ECONOMICS**

1/2 credit (grades 11-12, grade 10 with teacher recommendation)

Economics is the study of how people and nations make decisions about how to use scarce resources. This course provides an overview of microeconomic, macroeconomic, international economic, and personal economic issues. Students who desire a better understanding of the stock market, business organizations, the banking system, international trade issues, and personal roles in the 21st century economy will benefit from taking this class. This course will help to prepare students for college-level studies in the social sciences and business-related fields. This course fulfills the required financial literacy credit.

### **INTRODUCTION TO PSYCHOLOGY**

1/2 credit (grades 10, 11, 12)

Introduction to Psychology is designed to give students an overview of many of the topics within the field of psychology. Learning, developmental issues, the relationship between mind and body, personality theories, and psychological illnesses all fall within the course framework. The course is designed to be of benefit to all students who have an interest in better understanding human behavior. Students who expect to take a psychology course in college will find this course gives them a solid foundation in the discipline.

### **AP PSYCHOLOGY**

1 credit (grade 11-12)

Recommendation: Students should be able to read a college-level textbook and write grammatically correct, complete sentences.

Advanced Placement Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Each of the major subfields within psychology will be addressed in-depth in order to fully prepare students to be successful on the AP Psychology exam. Such topics include the history of psychology, scientific methods, the biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, development, personality, testing and individual differences, abnormal behavior and treatments, and social psychology. Students will be required to complete significant reading and

writing assignments and should be prepared for rigorous expectations. All students will be required to take the Advanced Placement test in Psychology in the spring. The results of this test may allow them to receive college credit depending on performance.

### **GOVERNMENT**

1 credit (grade 11 or teacher recommendation)

The American system of government is extraordinarily dynamic. Change, growth, adaption, innovation is a basic element in its character. The fundamental principles and the basic structures have remained constant over time, but many of the other characteristics have changed, sometimes remarkably.

This course covers the organization and development of the basic principles operating in the American political system today. Students will learn the privileges and responsibilities that are given to the American citizen. *This class should be considered the culminating Social Studies class at TC (besides an AP class).*

**Students will take the Ohio State Test for Government.**

### **AP GOVERNMENT**

1 credit (grade 11-12 or teacher recommendation)

Recommendation: Students should be able to read a college-level textbook and write grammatically correct, complete sentences.

Fulfills grade 11 graduation requirement

Advanced Placement Government is designed to offer students an opportunity to examine in depth the development, organization, and function of the American political system. Students participate in a rigorous exploration of the basic fundamentals of government and the political organizations by which the United States is governed. AP Government requires the reading of a comprehensive textbook and intensive study of supplemental materials of varying lengths. Students are required to analyze these readings and to comment on them in both formal and informal discourse. In addition, other special projects and/or papers may be required. All students enrolled will be required to take the Advanced Placement test in American Government for which they may be able to receive college credit based upon their performance.

## **WORLD LANGUAGE**

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### **CHINESE I (MANDARIN)**

1 credit (grades 9-12)

Prerequisite: C or better in English and/or teacher recommendation

This beginning level course in the Chinese language stresses the spoken aspect of the language, focusing on vocabulary and basic grammar. The Chinese alphabet as well as written language will be gradually introduced as students acquire basic spoken skills. Students will also explore Chinese culture and customs.

### **CHINESE II (MANDARIN)**

1 credit (grades 9-12)

Prerequisite: C or better in Chinese I or teacher recommendation

Chinese II builds on the lessons of Chinese I to help students continue to learn vocabulary, grammar, and speaking skills. Students will learn to write a bit more so that they can communicate their ideas in writing. Students will also continue to explore Chinese culture, customs and history.

### **CHINESE III (MANDARIN)**

1 credit (grades 9-12)

Prerequisite C or better in Chinese II or teacher recommendation

Chinese III provides more opportunities to put your Chinese skills to use. Students will participate in many speaking and writing activities on topics such as travel, shopping, dining, sports and



entertainment and learn more vocabulary and idiomatic expressions related to these topics. Students will also continue to explore Chinese culture and history.

#### **CHINESE IV (MANDARIN)**

1 credit (grades 9-12)

Prerequisite: C or better in Chinese III or teacher recommendation

Chinese IV provides ample opportunities to achieve proficiency in reading and writing. Students will read and write on topics such as clothing, health and environment. Students will continue to explore Chinese culture and history.

#### **SPANISH I - ESPANOL I**

1 credit

Prerequisite: C or better in English and /or teacher recommendation

Would it surprise you to learn that the United States has a large population of Spanish-speaking people? It's true! Being proficient in Spanish can have a direct positive impact on your college and career goals. Spanish I can be your passport to the future - a chance to get to know some of the peoples, places, and cultures of the more than twenty nations where Spanish is spoken. Through class activities, as well as individual projects, you will successfully express yourself in Spanish. You will be able to discuss your family, friends, leisure activities, school, and daily life. You will also learn to give and ask directions, and talk about what you like to do.

The class is student-focused and involves a lot of practice activities in pairs and small groups. Active participation in class is a must. Come and join the fun!

This class is conducted entirely in Spanish.

#### **SPANISH II - ESPANOL II**

1 credit

Prerequisite: C or better in Spanish I or teacher recommendation

Welcome back! We'll see many other countries in the Spanish speaking world. At the same time, we will develop all the language skills needed to be successful at the next levels. The emphasis on speaking and listening is still important with some short reading and writing activities will be added. Your abilities to write and understand common written items will also improve dramatically.

#### **SPANISH III - ESPANOL III**

1 credit

Prerequisite: C or better in Spanish I or teacher recommendation

Now that you can speak Spanish a little more fluently, you will enjoy using it in class and out. In Spanish III we will apply the language to real-life situations, including connections with other Spanish-speaking populations (both home and abroad). We will be studying Hispanic cultures, deepening your understanding of grammar, and investigating specific topics. We will read, listen, speak, and write at a more in-depth level. Emphasis is on student use of language in realistic scenarios, to further improve your fluency.

#### **SPANISH IV - ESPANOL IV**

1 credit

Prerequisite: C or better in Spanish III or teacher recommendation

Why a fourth year of Spanish, you ask? What could possibly be left to learn? Plenty!!

This is your chance to show off what you know, to put it in action, to make it work for you. We attempt to provide for individual interests and abilities. World language abilities will be your most requested secondary skill when entering the professional world. Can you afford to be under-prepared? Many students meet or exceed all college requirements upon finishing this program.

#### **AP SPANISH**

1 credit

Recommendation: Students should enter this course with three to five years of language instruction at

the high school level.

The Advanced Placement Program in the Spanish language is comparable in difficulty and content to a third-year, college-level course with emphasis on composition and conversation. This class is intended for those who have chosen to develop their proficiency in Spanish and may be planning a Spanish-related career or a career in which Spanish could play an important part. As our world is becoming more dependent upon foreign relations and trade, you may want to take this opportunity to expand your knowledge in Spanish, which could provide you with a brighter future.

This course will provide you with opportunities to improve all your language skills: listening through conversation, discussions, and telling stories; writing through letters, compositions, e-mails, and persuasive essays; reading through newspapers, and other authentic materials.

This class will be conducted entirely in Spanish. You will be provided with materials and opportunities to investigate many subject matters that will interest you.

In the spring, all students will be required to take the Advanced Placement exam which may lead to college placement and/or credit.

## **VANGUARD-SENTINEL CAREER & TECHNOLOGY CENTERS**

### **PHILOSOPHY**

To prepare students with the skills necessary to pursue further education and training in a career field and/or successfully enter the work world.

**APPLICATIONS ARE REQUIRED.** When a student applies to a Sentinel Career and Technology Center (SCTC) program, the student and his/her parents/guardians are making a commitment to obtain skills needed for entry-level employment by business and industry or a head start at college (into post-secondary education). Students who are accepted into our programs make a commitment to attend that program. Sentinel programs are a one-year, two-year, three-year or four-year commitment, depending on the specific program.

*SCTC admits students without regard to sex, race, creed, or national origin, but may limit admission to the space and facilities available.*

Student enrolled at Sentinel wishing to return to Columbian must notify the Sentinel administration or counselor's office on or before June 15th of that school year. Before June 15th, a withdrawal form must be completed which will require Sentinel, Columbian, and parent/guardian signatures. This can be done by the student with the assistance of a Sentinel administrator/counselor.

After June 15, a conference will be required before a change of schedule occurs. This conference shall include the student, parent/guardian, a Columbian representative and a Sentinel administrator or counselor.

Students will usually spend 2.75 hours per day at Sentinel and receive one to three credits for their career program each year.

The students will attend Columbian for the remainder of each day, where they will receive their necessary academic instruction. Tiffin City Schools will provide transportation to and from Sentinel Career and Technology Center. All students are eligible for any and all extracurricular activities at Columbian. It should be understood that students will graduate and receive a diploma from Columbian. The student will also receive a Career Passport recognizing completion of technical training. For more detailed information, please refer to the SCTC Program Guide.

### **SCHEDULE**

Morning Session 8:25 am - 11:10 pm

Afternoon Session 11:50 am - 2:35 pm

### **AGRICULTURAL SCIENCE AND TECHNOLOGY Grades 9, 10, 11, 12**

Agricultural education is a unique program that incorporates three main areas of study. The three areas are classroom/laboratory, FFA and SAE. An agricultural education program is designed to prepare students for careers in the industries diverse standards. In the classroom/laboratory portion students will learn a variety of skills on the basic level. Science is always a major part of agricultural instruction in the United States. Agricultural by definition is an applied science that combines principles of physical, chemical, and biological sciences in the production of food and fiber. The FFA is an intra-curricular part of the program and is designed to make a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. The SAE part is designed to further the knowledge and skills the students that gain through the classroom, laboratory, and FFA and apply them to a specific project outside the school day.

Agricultural Education at Sentinel is a four-year program for any 9th through 12th grade student. Qualified students may enroll in any level of the program.

### **AGRICULTURAL, FOOD, AND NATURAL RESOURCES (1st Year or Freshman Class)**

1 science credit & 1 elective credit

Soil Science (Earth Science)

FFA History and Public Speaking

Shop Safety - Metal and Wood  
Leadership Development  
Animal Science  
Plant Science  
Food Science  
Career Development Events

**AGRONOMIC SYSTEMS (2nd Year or Sophomore Class)**

1 science credit & 1 elective credit

Leadership Development  
Equipment Operation  
Soil Science (Advanced)  
Engine Operation  
Alternative Energy and Electricity  
Plant Physiology and Growth (Advanced)  
Environmental Science  
Metal Fabrication  
Shop Safety  
Animal Science (Advanced)  
Career Development Events

**STRUCTURAL ENGINEERING, AGRICULTURAL, AND INDUSTRIAL POWER (3rd/4th year alternating with other class)**

2 elective credits

Leadership Development  
Construction and Building Principles  
Brick, Block, and Concrete  
Plumbing  
Metal Fabrication  
Engine Operations and Principals  
Shop Safety  
Tool and Fasten Identification  
Alternative Energy  
Business Operations  
Career Development Events

**AGRICULTURAL BUSINESS COMMUNICATION, AND LEADERSHIP (3<sup>rd</sup>/4<sup>th</sup> YEAR ALTERNATING WITH PREVIOUS CLASS)**

1-3 elective credits

Leadership Development  
Marketing  
Finance  
Business Leadership  
Public Relations  
Customer Service  
Employability and Job Skills  
Communication Skills  
Career Research  
Career Development Events

**AUTOMOTIVE TECHNOLOGY**

3 credits (grades 11-12 or completion of Career Exploration)

Automotive Technology is designed to provide students with the skills necessary to become an entry-level automotive technician. Instruction is provided on how to keep all makes and models of passenger vehicles in good operating condition. Students work on vehicles brought into the lab and are involved in diagnosis and repair. Throughout the lab experience, practically all parts and systems encountered by auto technicians will be included. Students are also taught safe work habits, job responsibility, and pride in their work and customer relations. Automotive Technology program completers obtain six (6) months of work experience credit towards ASE Certification

### **BRONZE HEALTH**

3 credits

Offered at the Vanguard Technology Center (Fremont)

Learn about the field of Direct Support through in-class training and on-site internships. Assist patients with daily activities and encourage attitudes and behaviors that promote community inclusion. Gain introductory knowledge of ethics, health & safety, interpersonal communication, crisis intervention, and assessments. Sentinel & Vanguard. Students from both schools train on the Vanguard Campus. Senior Only.

### **BRONZE MANUFACTURING**

3 credits

Offered at the Vanguard Technology Center (Fremont)

Gain introductory knowledge of manufacturing skills that provide a pathway to manufacturing related careers. Obtain knowledge on safety, reading and using drawings, proper use of hand and power tools, and manufacturing practices and processes. Sentinel & Vanguard. Students from both schools train on the Vanguard Campus. Senior Only.

### **BRONZE BUSINESS**

3 credits

Offered at the Vanguard Technology Center (Fremont)

Explore Business, Marketing, and Finance concepts that give an overview of the retail industry and its many important components including sales and service, products and merchandising, as well as gaining customer commitment. Sentinel & Vanguard. Students from both schools train on the Vanguard Campus. Senior Only.

### **BUILDING CONSTRUCTION TRADES**

3 credits (grades 11-12 or completion of Career Exploration)

This course is designed to provide experience for the development of knowledge and skills related to the building industry. The course provides the entry-level skills necessary in building a wood-framed structure.

The various aspects of construction taught are: electrical, masonry, plumbing, carpentry, dry walling, finishing, roofing and insulating. Other important aspects of the program involve cost estimating, ordering materials, and blueprint reading. The proper and safe use of both hand and power tools are equally important parts of the training.

### **BUSINESS MANAGEMENT**

3 credits

Offered at the Vanguard Technology Center (Fremont)

Gain introductory knowledge of business management and marketing concepts. You will also learn to use financial tools, strategies, and systems to develop and monitor personal financial goals.

### **CAREER EXPLORATION**

2 credits (grade 9-10) one semester

The Career Exploration Program is a half day, semester long program, for first or second year students allowing them to intently explore the varying aspects, procedures, and expectations of the programs offered at Sentinel. Each student will have the opportunity to actively explore and infiltrate six lab options. Program choices for exploration include the following: Collision Repair, Agriculture, Auto Technology, Precision Machining, Electrical Trades, Building Trades, Welding and Fabrication, Culinary and Hospitality Management, Digital Technologies, Careers in Education, Health Careers Academy, Public Safety, and Independent Living. Students will create a career plan that will help enable them to successfully transition into the proper path throughout the rest of their high school education. Students will also be offered a consumer education class based on current state standards of career exploration during their time on campus.

### **CAREERS IN EDUCATION**

3 credits (grades 11 & 12 or completion of Career Exploration)

The Careers in Education program is designed to introduce students to careers in the field of education. This program allows students an opportunity to explore the teaching profession in a classroom and through extended classroom internships with cooperating teachers. Students will participate in classrooms at all grade levels, from pre-school to high school. As students gain experience in the classroom settings, they will compile a portfolio reflecting their overall internship and classroom participation. CIE students may also be enrolled in College Credit Plus courses taught at the Sentinel campus.

### **COLLISION REPAIR TECHNOLOGY**

3 credits (grades 11-12 or completion of Career Exploration)

Collision Repair Technology is designed to provide students with the opportunity to develop the necessary skills to become a collision repair technician or to work in a related area. Instruction is provided on vehicles brought into the lab and students are fully involved with the determination of damage and repairs to be done. During the two years of training, practically all phases of the industry are experienced. Students are also taught safe work habits, job responsibility, pride in their work, and the ability to deal with the public.

### **COMPUTER INFORMATION & SUPPORT SERVICES**

3 credits

Offered at the Vanguard Technology Center (Fremont)

Learn computer hardware & software troubleshooting and support. Configure operating systems and learn microcomputer technologies. Learn network support fundamentals/SOHO and wireless networks, as well as telecommunications cabling, virus prevention and removal skills, and database management.

### **CONNECTIONS**

3 credits

Offered at the Vanguard Technology Center (Fremont)

Learn in an engaging environment for future job opportunities in the workforce including: construction, electrical, plumbing, culinary, and agricultural. Obtain knowledge of appropriate safety and operational procedures for a variety of tools in a variety of career modules.

### **COSMETOLOGY**

3 credits (grades 10-12)

The Cosmetology Program is a three-year competency based program designed to prepare students to successfully pass the State Board of Cosmetology examination and enter into employment as a licensed cosmetologist.

The purpose of the first year is to teach all basic manipulative skills necessary to customer service activities and the overview of all related technology pertaining to their performance. In the second and third year, these skills are refined and an in-depth study of related technology concerning chemistry, electricity, anatomy, physiology, and salon management are undertaken as well as the review of all practical subject applications.

During the senior year, the students will also participate in additional coursework and document 300 hours of training for a manager license. A student who completes the three-year course and passes the state board exam will be a licensed managing cosmetologist. A professional, licensed managing cosmetologist will be able to own a salon and have many other career options.

### **CRIMINAL JUSTICE/LAW ENFORCEMENT**

2 credits (Grades 11-12)

Offered at the Vanguard Technology Center (Fremont)

The Criminal Justice program is designed for students interested in preparing for a career in Local, State

or Federal law enforcement, corrections, crime scene investigation, forensics, legal professions, and the courts. Students interested in working as a police officer, a court officer, in probation, parole, or forensics will benefit from this program.

Program emphasis will be on developing communications, science and computer skills. Students will be exposed to all potential criminal justice careers. Enrolled students are expected to continue with a minimum of 2 years post-secondary studies in criminal justice. Criminal Justice students are enrolled as students at Terra State Community College and will attend classes at Terra starting their junior year. College classes are directly related to the Criminal Justice program.

### **CULINARY ARTS & HOSPITALITY MANAGEMENT**

3 credits (grades 11-12 or completion of Career Exploration)

The Culinary Arts & Hospitality Management program is designed to introduce students to careers in the field of hospitality. As part of the National Restaurant Association's Pro Start program, this program covers all facets of the industry from working and managing a kitchen to being in charge of events and food service operations. You will gain valuable experiences spending 200 lab hours operating our restaurant, The Lunch Box Café and providing catering services. In addition, students will complete 200 internship hours at area restaurants and banquet facilities. Successful completion of the Pro Start program enables students to earn up to 15 college credits.

### **DIGITAL MEDIA TECHNOLOGIES**

3 credits

Offered at the Vanguard Technology Center (Fremont)

Create 3D video animation, learn video production and editing using state-of-the-art video equipment and software, and experience DSL Photography and TV studio production. Design video games, interactive applications, web pages and learn computer programming, emerging cloud technologies, and cyber security.

### **DIGITAL TECHNOLOGIES**

3 credits (grade 11-12)

This program is designed to train students to be an onsite computer expert who specializes in one or more areas. Students will receive hands on training in systems design, set-up and management, software and hardware, and application design and programming.

Beginning the second semester of Level 2, students choose a specialization area to concentrate in: Networking, Programming or Multimedia.

Digital Technology students may also be enrolled in College Credit Plus courses taught at the Sentinel campus for additional technical classes.

### **EARLY CHILDHOOD EDUCATION**

Offered at the Vanguard Technology Center (Fremont)

Understand growth and development of children ages birth-eight. Learn the method of planning, writing, and implementing lesson plans. Assist in running a state licensed preschool and interact daily with preschool children while developing a mastery of early childhood education theories.

### **ELECTRICAL TRADES**

3 credits (grades 11-12)

Electrical Trades is devoted to electronic theory and trade information. Electronics include layout, assembly and testing electronic apparatus. The first year is for beginning students with little experience in electricity or robotics. It is intended to prepare students for entrance into one of the many opportunities in the field of electronics. The second year is an advanced continuation of the skills learned in the first year, plus programmable controllers and robotics. Students will be involved in a broad number of experiences as they relate to the electrical trades. Assembly, installation, maintenance,



repairs, programming and inspection of electrical equipment will be taught. A vital unit to be taught will be dealing with the national, state and local codes, and OSHA by-laws and safety.

### **ENGINEERING TECHNOLOGIES AND ROBOTICS**

3 credits (Grades 11-12 or completion of Career Exploration)

This program applies Science, Technology, Engineering and Math (STEM) to explore mechanical, electrical and engineering technologies. Students will create, design, and implement solutions to complex engineering challenges. Engineering Technologies & Robotics students will experience multiple advanced engineering and robotics technologies. A student who completes this program will be prepared for college engineering technology programs, opportunity to obtain advance certifications, and possibilities for immediate employment.

### **HEALTH CAREERS ACADEMY**

3 credits (grades 11-12 or completion of Career Exploration)

The Health Careers Academy is designed to incorporate a diversified area of study in the medical field. The program offers a core curriculum in which skills for medical occupations will be taught, including dental assisting, medical assisting, medical math, medical terminology and abbreviations, basic pre-nursing, pharmacy assisting, and physical therapy assisting. Students also gain certification in STNA (State Tested Nurse Aid), CPR and First Aid. Students will also learn Anatomy & Physiology for Health Careers during both years of the program. During level 2, students may participate in internships for more intense training in a specialty area. Beginning level 1, Health Careers Academy students may be enrolled in College Credit Plus classes, which are taught at Sentinel.

### **INDEPENDENT LIVING**

3 credits (grades 11-12)

The Independent Living program provides a modified curriculum that offers students the opportunity to develop skills to become employable and to learn various life skills. Independent Living will provide an innovative, career technical approach to learn transition skills in the areas of daily living, career exploration and development (horticulture and agriculture) and job readiness. Students will learn to adapt to new environments, recognize and solve problems, develop decision making skills, set and achieve goals, and maintain their personal health.

### **NAIL & ESTHETICS**

3 credits (grades 11 or 12, one year program)

The Nail and Esthetics program is a one-year program competency based program designed to prepare students to successfully pass the State Board of Cosmetology Manicuring Examination and Estheticians Examination. Students whom enroll into the Nail and Esthetics program will learn Nail Technology first and after the 200-hour course is complete they will then learn the 600-hour Esthetician Program. For both programs students are taught all the basic manipulative skills necessary to customer service activities and the overview of all related technology pertaining to their performance and an in-depth study of related technology concerning chemistry, electricity, anatomy, physiology, and salon management are undertaken as well as the review of all practical subject applications.

### **PRECISION MACHINING**

3 credits (grades 11-12 or completion of Career Exploration)

Precision Machining is a program offering a working knowledge of basic tool room machines such as the drill press, metal lathes, shapers, band saws, milling machines and grinders. Students will learn how to operate most types of machine tools and learn to know the working properties of metals in order to produce quality results. Students will be involved with marking, finishing and assembling the metal parts as developed from blueprints. They will also receive instruction on Computerized Numerical Controlled (CNC) and Computer-Aided Manufacturing (CAM) equipment. Precision Machining students be taught how to safely use these machines and to properly maintain and adjust them.

**PUBLIC SAFETY**

3 credits (grades 11-12)

This program is designed to provide students with knowledge and skills applicable to Public Safety careers including but not limited to Firefighting, Emergency Medical Technician-Basic, and Law Enforcement.

The Level 1 year will include a diversified overview and exploration of the topics and skills used in the Public Safety Field.

The Level 2 year will focus on Law Enforcement and include a 40-hour First Responder training and private security training. Both years, students will participate in physical fitness, agility and aerobic training. Public Safety students may be enrolled in College Credit Plus classes, which are taught at Sentinel.

**STNA (State Tested Nurse Aid) HEALTH CAREERS ACADEMY**

3 credits (grade 12)

This one year program offers a core curriculum designed to prepare students for health related careers or a college pathway. Students will earn certification in; First Aid, CPR, and STNA. Qualified students may enroll in College Credit Plus classes which are taught at the Sentinel campus.

**WELDING and FABRICATION TECHNOLOGY**

3 credits (grades 11-12)

Welding and Fabrication Technology is designed to prepare students and acquaint them with the breadth and scope of occupations in welding fabrication.

Techniques of joining pieces of metal by applying heat to produce a permanent bond are coupled with classroom theory to produce a knowledgeable and skillful welder. Methods used in fabrication and other products made from heavy metal sheets are also included in this program. Students will receive instruction in Computer-Aided Design (CAD), layout techniques, fundamental pneumatics, hydraulics and robotics.

## **STUDENT ACTIVITIES & CLUBS**

### **Total Involvement In School**

Total education should involve total involvement in activities as well. To get the most out of their education, students should not limit themselves to only the academic subjects. Being involved in co-curricular and extracurricular activities gives students a chance to expand horizons and to meet, work, and perform with others who have the same interests.

Band	Flag Squad	School Newspaper	Girl's Softball
Baseball	Football	Ping Pong Club	Boy's Swim & Dive
Boy's Basketball	Boy's & Girl's Golf	Quiz Bowl	Girl's Swim & Dive
Girl's Basketball	Green Sunday	ROX	TC PRIDE
Boy's & Girl's Bowling	I Am That Girl/Guy	SADD	Boy's Tennis
Cheerleading	Jazz Band	Boy's Soccer	Girl's Tennis
Changemakers	Key Club	Girl's Soccer	Boy's Track
Boy's Cross Country	Musical	STAND	Girl's Track
Girl's Cross Country	National Honor Society	Student Council	Volleyball
			Wrestling

Be a part of the total educational picture by participating in co-curricular and extracurricular activities.

## **NATIONAL TEST DATES - To Be Determined**

### **PSAT (Juniors) Testing fee TBD**

October 12, 2022

### **ACT**

To register go to [www.actstudent.org](http://www.actstudent.org)

### **SAT**

To register go to [sat.collegeboard.org](http://sat.collegeboard.org)

## **HIGH SCHOOL CODE 364-975**

## **STUDENT'S WORKSHEET**

Student planning worksheets are included in the Appendix and can be used to assist in the selection of courses.

Procedures for the selection of courses: (Worksheet on the next page.)

1. Check the course descriptions so that you are aware of course content for those courses you want or need.
2. If you have additional questions concerning course content, please contact a teacher in the appropriate subject area.
3. Check to see if there are any prerequisites that need to be met. If there are and you don't meet them, you will not be permitted to enroll in the course.
4. You must be enrolled in a minimum of FIVE classes per semester, and six are recommended. Graduation requires 21 credits.
5. Be sure your parents sign the Course Request Sheet.

\*\*\*\*\*

**Parents are reminded that changes in student course requests are not allowed after May 1, 2022. Be sure to take every effort to discuss with your son or daughter the selection of courses so that last-minute changes are not necessary. If parents have any questions about course selection or course content, call the Counseling Department, 419-447-6331, before May 1, 2022.**

**\*CCP courses scheduled after this date are exempted from this deadline.**

Students not turning in a Course of Study Sheet will be assigned courses by the counselors.



**Course Request Sheet 2022-2023 School Year**  
**The Course Request sheet cannot be changed after May 1, 2022.**

**Student Name:** \_\_\_\_\_ **Class of** \_\_\_\_\_  
 (Please print)                      Last                      First

Please use the chart below to assist in the planning of your tentative schedule. Note that the chart below is a planning aid only – you **will not** receive your final schedule in the same order as you list below. Refer to the “Curriculum Guide 2020-2021” and the “Master Course List” for registration guidelines and scheduling assistance. Class changes can only be made under the guidelines found on page 4 of the curriculum guide. Any time a .25 credit class is taken, be sure to schedule at least 5 additional classes for eligibility. **ALL SCHEDULE CHANGES MUST BE COMPLETED BY MAY 1<sup>ST</sup>.**

**PLEASE MAKE SURE COURSE NUMBER IS WRITTEN ACCURATELY.**

FIRST SEMESTER			SECOND SEMESTER	
	Course #	Course Title	Course #	Course Title
1				
2				
3				
4				
5				
6				
7				

**Total credits to be earned for school year 2022-2023** \_\_\_\_\_

Course Offerings may be cancelled without notice because of staff limitations or low enrollment. Students are encouraged to take at least six (6) classes per semester. Specific courses may be in conflict with other courses thereby limiting your first choice selections. Please list four (4) alternative, elective choices below in rank order (1 being most important, 4 being least important) **should you not receive your first choice of classes listed above in the planning chart.** List your alternative class choices below.

1. \_\_\_\_\_ 2. \_\_\_\_\_  
 3. \_\_\_\_\_ 4. \_\_\_\_\_

I have reviewed and approve of the course selections indicated by my son/daughter. I am aware of the District Policy regarding schedule changes.

**Student Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Parent/Guardian Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

Please initial and check (✓) the following boxes to ensure credit requirements are being met.

- \_\_\_\_\_ ☐ Alternate courses will be assigned by counselors if none are listed above.  
 \_\_\_\_\_ ☐ I acknowledge that the minimum requirements are five (5) half-credits per semester.  
 \_\_\_\_\_ ☐ TCHS students may not have more than two (2) study halls per semester. Please see your counselor if you have more than two on your schedule.



# Master Course List 2022-2023

Grade 9	Course	Credit
0012Y	English 9	1
0014Y	Honors English 9	1
0134Y	Amer. History	1
0115	Consumer Ed.	0.5
0210Y	Phy. Science	1
0209Y	Honors Physical Sci	1
0311Y	Algebra I	1
0310Y	Honors Algebra I	1
0317Y	Geometry	1
0316Y	Honors Geometry	1
0820	Health	0.5
0830Y	Phys. Ed. (Year)	0.5
0840	Phys. Ed. (Semester)	0.25
0841	Speed Stren & Rec	0.5
0046	Public Speak/Comm	0.5
0401Y	Chinese I (Mandarin)	1
0414Y	Spanish I	1
0420Y	Chinese II (Mandarin)	1
0424Y	Spanish II	1
0605	Business Application	0.5
0300	Yearbook	1
0610Y	Intro to Business	1
0905	Drawing	0.5
0907	Commercial Art	0.5
0909	Design	0.5
0910	Painting	0.5
0912	Sculpture	0.5
0920Y	Band 9	1
0926	Flag Squad	0.25
0927	Music Theory I	0.5
0928	Music Theory II	0.5
0933Y	9/10 Blue Chorus	1
0934Y	9/10 Gold Chorus	1
CCP	College Credit Plus	
VHS	VHS Collaborative	

Grade 10	Course	Credit
0022Y	English 10	1
0024Y	Honors English 10	1
0190Y	World History	1
0146	Intro to Psychology	0.5
0222Y	Biology 10	1
0226Y	Hon. Biology 10	1
0228Y	Anatomy & Physiology	1
0321Y	CP Algebra II	1
0320Y	Honors Algebra II	1
0430Y	Chinese III (Mandarin)	1
0434Y	Spanish III	1
0636	You and the Law	0.5
0646	Personal Finance	0.5
0870	Fitness for Life	0.5
0901	Ceramics I	0.5
0911	Ceramics II	0.5
0917	Dig. Art & Photography	0.5
0904Y	Advanced Art	1
0921Y	Band 10-12	1

Gr 9-12	CCP @ TCHS	Credit
9611	Digital Lit. & Tech.	1
9612	Survey of Health Issues	1
9680	Principles of Sociology	1
9681	Intro to Psychology	1
9682	College & Career Success	1
9683	Video Game Production	1
9684	Oceanus	1
9685	Environment & Society	1
0227Y	Anatomy & Physiology	1
0227L	Anatomy & Phys. Lab	0.33

Grade 11	Course	Credit
0032Y	English 11	1
0034Y	AP Eng. Lang. & Com	1
0037Y	AP Eng. Lit. & Comp.	1
0143Y	Government	1
0133Y	AP US History	1
0147Y	AP Psychology	1
0148	Economics	0.5
0231Y	Chemistry	1
0230Y	Honors Chemistry	1
0241Y	Physics	1
0235Y	Env. Science	1
0220Y	AP Biology	1
0307Y	Algebra II	1
0325Y	Pre-Calculus	1
0440Y	Chinese IV	1
0444Y	Spanish IV	1
0445Y	AP Spanish	1
0512	Video Technology	0.5
0513	Adv. Video Technology	0.5
0615Y	Entrepreneurship	1
0860	P.E. Sports	0.5
0906Y	Senior Portfolio	1
0935Y	Concert Choir	1

Grade 12	Course	Credit
0042Y	English 12	1
0144Y	AP Government	1
0306Y	Algebra III	1
0327Y	AP Calculus	1
0334Y	Math IV	1
0938Y	Art Investigations	1

# Master Course List 2022-23

## Sentinel and Vanguard Classes

Grade 9	Course	Credit
S1100A	Ag. 1st sem.	0.5
S1100B	Ag. 2nd sem.	0.5
S1101A	Ag Int.Science 1st sem.	0.5
S1101B	Ag Int.Science 2nd sem.	0.5
S1501A	Career Exploration Prog	1.0
S1501B	Career Exploration Prog	1.0

Grade 10	Course	Credit
S1110	Ag. Bio. 1st sem.	0.5
S1112	Ag. Bio. 2nd sem.	0.5
S1111A	Ag. Animal & Plant 1st sem	0.5
S1111B	Ag. Animal & Plant 2nd sem	0.5
S1502A	Career Exploration Prog	1
S1502B	Career Exploration Prog	1
S2310A	Cosmetology 10 1st sem	1.5
S2310B	Cosmetology 10 2nd sem	1.5

T9605A	Vanguard Early Child 1st	1.5
T9605B	Vanguard Early Child 2nd	1.5
T9998A	Vanguard Digit Media 1st	1.5
T9998B	Vanguard Digit Media 2nd	1.5
T1221A	Vanguard Connections 1st	1.5
T1221B	Vanguard Connections 2nd	1.5
T9201A	Vanguard Comp Info Sem	1.5
T9201B	Vanguard Comp Info Sem	1.5
T3011A	Vanguard Bus Mgt Sem 1	1.5
T3011B	Vanguard Bus Mgt Sem 2	1.5
T9404	Tech Prep Crim. Justice C	1
T9502	Tech Prep Crim. Justice (f)	2
T9606A	Vanguard Early Child 1st	1.5
T9606B	Vanguard Early Child 2nd	1.5
T9999A	Vanguard Digit Media 1st	1.5
T9999B	Vanguard Digit Media 2nd	1.5
T1222A	Vanguard Connections 1st	1.5
T1222B	Vanguard Connections 2nd	1.5
T9202A	Vanguard Comp Info Sem	1.5
T9202B	Vanguard Comp Info Sem	1.5
T3012A	Vanguard Bus Mgt Sem 1	1.5
T3012B	Vanguard Bus Mgt Sem 2	1.5
T2000A	Vanguard Bronze Business	1.5
T2000B	Vanguard Bronze Business	1.5
T2621A	Vanguard Bronze Health	1.5
T2621B	Vanguard Bronze Health	1.5
T9500	Tech Prep Crim. Justice Cor	1
T9501	Tech Prep Crim. Justice (f)	2
T9603B	Cert Prod Tech (1st sem)	1.5
T9604B	Cert Prod Tech (2nd sem)	1.5

	Jr./Sr. 1 Yr. Programs	Credit
S2312A	Nail & Esthetics 1st sem.	1.5
S2312B	Nail & Esthetics 2nd sem.	1.5
S2000A	Bus Admin 1st sem.	1.5
S2000B	Bus Admin 2nd sem.	1.5
S2625A	STNA 1st sem.	1.5
S2625B	STNA 2nd sem.	1.5
38CJ88	CPT 1st sem.	1.5
38CJ89	CPT 2nd sem.	1.5
38CJ90	CIP 1st Sem.	1.5
38CJ91	CIP 2nd Sem.	1.5
38CJ92	Rise Up 1st sem.	1.5
38CJ93	Rise Up 2nd sem.	1.5


Grade 12	Course	Credit
S1131A	Ag. Mech. Prin. Power 1st	1
S1131B	Ag. Mech. Prin. Power 2nd	1
S1141A	Ag. Bus. Management 1st	1
S1141B	Ag. Bus. Management 2nd	1
S1222A	Independent Living 1st sem	1.5
S1222B	Independent Living 2nd sem	1.5
S2022A	Auto Tech 1st sem.	1.5
S2022B	Auto Tech 2nd sem.	1.5
S2012A	Collision Repair 1st sem	1.5
S2012B	Collision Repair 2nd sem	1.5
S2312A	Cosmetology 12 1st sem	1.5
S2312B	Cosmetology 12 2nd sem	1.5
S2432A	Bldg. Const. Trades 1st sem	1.5
S2432B	Bldg. Const. Trades 2nd sem	1.5
S2522A	Electrical Trades 1st sem.	1.5
S2522B	Electrical Trades 2nd sem.	1.5
S2622A	Health Careers Acad 1st	1.5
S2622B	Health Careers Acad 2nd	1.5
S2722A	Precision Machining 1st sem	1.5
S2722B	Precision Machining 2nd sem	1.5
S2822A	Public Safety 1st sem.	1.5
S2822B	Public Safety 2nd sem.	1.5
S2922A	Welding & Fab. Tech 1st sem	1.5
S2922B	Welding & Fab. Tech 2nd sem	1.5
S4122A	Culinary & Hospitality 1st sem	1.5
S4122B	Culinary & Hospitality 2nd sem	1.5
S9202A	Dig. Tech 1st sem.	1.5
S9202B	Dig. Tech 2nd sem.	1.5
S9602A	Careers in Education 1st	1.5
S9602B	Careers in Education 2nd	1.5
S9302A	Eng. Tech. & Robotics 1st	1.5
S9302B	Eng. Tech. & Robotics 2nd	1.5

Grade 11	Course	Credit
S1131A	Ag. Mech. Prin. Power 1st	1
S1131B	Ag. Mech. Prin. Power 2nd	1
S1141A	Ag. Bus. Management 1st	1
S1141B	Ag. Bus. Management 2nd	1
S1221A	Independent Living 1st sem	1.5
S1221B	Independent Living 2nd sem	1.5
S2021A	Auto Tech 1st sem.	1.5
S2021B	Auto Tech 2nd sem.	1.5
S2011A	Collision Repair 1st sem	1.5
S2011B	Collision Repair 2nd sem	1.5
S2311A	Cosmetology 11 1st sem	1.5
S2311B	Cosmetology 11 2nd sem	1.5
S2431A	Bldg. Const. Trades 1st sem	1.5
S2431B	Bldg. Const. Trades 2nd sem	1.5
S2521A	Electrical Trades 1st sem.	1.5
S2521B	Electrical Trades 2nd sem	1.5
S2621A	Health Careers Acad 1st	1.5
S2621B	Health Careers Acad 2nd	1.5
S2721A	Precision Machining 1st sem	1.5
S2721B	Precision Machining 2nd sem	1.5
S2821A	Public Safety 1st sem.	1.5
S2821B	Public Safety 2nd sem.	1.5
S2921A	Welding & Fab. Tech 1st sem	1.5
S2921B	Welding & Fab. Tech 2nd sem	1.5
S4121A	Culinary & Hospitality 1st sem	1.5
S4121B	Culinary & Hospitality 2nd sem	1.5
S9201A	Dig. Tech 1st sem.	1.5
S9201B	Dig. Tech 2nd sem.	1.5
S9601A	Careers in Education 1st	1.5
S9601B	Careers in Education 2nd	1.5
S9301A	Eng. Tech. & Robotics 1st	1.5
S9301B	Eng. Tech. & Robotics 2nd	1.5



Name \_\_\_\_\_

**FOUR YEAR PLAN FOR TIFFIN COLUMBIAN HIGH SCHOOL**  
 Write each course you have taken or plan to take in the appropriate cell below.



		8th Grade	9th Grade		10th Grade		11th Grade		12th Grade	
Required Courses	Credit Hrs. Needed	HS Credits Earned	Sem. I	Sem. II	Sem. I	Sem. II	Sem. I	Sem. II	Sem. I	Sem. II
English	4		Eng.	Eng.	Eng.	Eng.	Eng.	Eng.	Eng.	Eng.
Math	4		Math	Math	Math	Math	Math	Math	Math	Math
Science	3		Science	Science	Science	Science	Science	Science		
Soc. Studies	3		US Hist.	US Hist.	World History	World History	Government	Government		
P.E./Health	1									
Fine Arts	1									
Elective Credits (must include 1/2 credit of Financial Literacy)	5									
<b>Total Credits</b>	<b>21</b>									

Refer to page 5 for graduation requirements and state assessments required for graduation.