

**Little Miami High School**  
**Course Guide**  
**2021-2022**



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## **WELCOME**

Dear Students and Parents,

The Little Miami High School Course Description Guide has been prepared to help develop your four-year plan as a high school student and to choose courses for the 2021-2022 school year. The Ohio Department of Education (ODE) makes mandated curriculum changes frequently, therefore please make sure to check required courses and graduation requirements thoroughly. This guide includes essential information concerning athletic and extracurricular eligibility, course descriptions, and educational options apart from a traditional high school program.

Little Miami High School is an original member of the High Schools That Work (HSTW) Improvement Model. This model has proven to be a solid basis for all students to attain success in their high school experience and gain needed college and career readiness skills for the future. Our expectation at Little Miami High School follows this model so all students work hard and become productive citizens. Rigorous coursework has a positive impact on the academic and career preparation of all students, and students are most likely to complete a college degree or technical training if they have been engaged in demanding coursework over their four years of high school.

Please take time to read this description guide thoroughly and use it as a planning tool. As a family, discuss course selections while planning for a class schedule that will meet your child's future goals. The school counseling staff can help recommend student programs geared toward career paths and post-secondary options that will give direction in your choices. The high school staff is able to answer questions and help you navigate through this process at any time.

The learning opportunities provided at Little Miami High School will provide a solid foundation for a successful future in any chosen career. Together we will make these four years a rewarding and effective foundation from which to build your future.

Best Regards,

Dr. Cathy Trevathan  
Principal

Mr. John Bailey  
Assistant Principal

Mr. Chad Huelsman  
Assistant Principal

## **DISTRICT PROFILE**

### **Board of Education**

Tony Niemesh, President  
 Bobbi Grice, Vice President  
 Martin Hamlin, Board Member  
 Diane Horvath, Board Member  
 Wayne Siebert, Board Member

### **Administration**

Greg Power, Superintendent  
 Terry Gonda, Treasurer  
 Regina Morgan, Assistant Superintendent  
 Pamela Coates, Director of Human Resources  
 Marla Timmerman, Director of Students Services  
 Stephen Collins, Director of Technology  
 Emily Johnson, Director of Communications

### **Administrative Offices**

Maineville Crossing  
 87 E US 22&3, Maineville, OH 45039  
 Office Hours: 8:00 AM-4:00 PM

#### **Phone Numbers**

District Office: 513-899-2264  
 Central Registration: 513-899-5116



### **District Website**

[www.littlemiamischools.com](http://www.littlemiamischools.com)



### **High School Administration**

<https://twitter.com/LittleMiamiHS>



<https://www.instagram.com/littlemiamihighschool>

### **High School Counseling**



[https://twitter.com/LMHS\\_Counselors](https://twitter.com/LMHS_Counselors)



[https://www.instagram.com/LMHS\\_Counselors](https://www.instagram.com/LMHS_Counselors)



<https://www.facebook.com/LMHSCounselors>

## HIGH SCHOOL PROFILE



### **Little Miami High School**

3001 East US Highway 22&3  
Morrow, OH 45152

#### **Administration:**

Principal: Dr. Cathy Trevathan  
Assistant Principal: Mr. John Bailey  
Assistant Principal: Mr. Chad Huelsman  
Athletic Director: Mr. Matt Louis

#### **School Counselors:**

Counselors work with students based on an alpha split.  
Tammy Martin (A-C)  
TBD (D-K)  
Todd Barnhart (L-R)  
Brandy Phillips (S-Z)

#### **Office Hours:**

7:00 AM-3:30 PM

#### **Important Numbers:**

High School Office: 513-899-3781  
High School Fax Number: 513-899-4912

#### **Website:**

<http://www.littlemiamischools.com/little-miami-high-school/>

## **MISSION, GOALS, AND CORE BELIEFS**

### **DISTRICT MISSION**

The Board believes that it is the responsibility of the school system to ensure that each graduate is college and career ready. To these ends, an environment of high expectations and opportunity shall be created that fosters scholarship and citizenship and develops within each student the ability to become a productive and responsible member of society.

### **DISTRICT GOALS**

- Develop an environment of high academic expectation that maximizes each student's potential and opportunity for learning.
- Develop in each student the ability to apply learned skills and knowledge related to college and career readiness.
- Develop each student's ability to become a responsible and productive member of the community.

### **DISTRICT CORE BELIEFS**

Little Miami Board of Education, staff, students, parents and others will operate in ways that support and demonstrate the following core beliefs:

- Academic excellence
- Safe learning and working environments
- Quality facilities for quality learning
- Fiscal responsibility
- Adherence to all state and federal requirements

### **LITTLE MIAMI HIGH SCHOOL MISSION**

Little Miami High School is dedicated to the community and to the individual educational needs of all students. Through a safe and creative environment, students are challenged with a rigorous curriculum that provides the necessary skills to become contributing members of society. The staff recognizes the importance of a collaborative approach with the community as an essential element to the success of the students entering their adult lives.

### **LMHS PRINCIPLES OF SERVICE**

1. We believe all students can learn.
2. We value a safe and nurturing environment.
3. We believe that extracurricular activities contribute to the development of a well-rounded student.
4. We value high expectations for all students.
5. We value professional attributes such as:
  - helpfulness and active listening
  - open communication and professional development
  - respect and courteousness
  - honesty and a positive attitude
  - risk taking – seeking and trying new ideas
6. We believe in teamwork and cooperation.
7. We believe the school exists to serve the families of the Little Miami community.
8. We believe in providing opportunities for academic diversity.
9. We believe in continuous improvement through on-going evaluation of programs and instructional strategies.

## **PLANNING**

### **THE LITTLE MIAMI SEMESTER**

Little Miami High School operates on a semester schedule. This schedule divides the school year into two semesters of approximately 90 days each. The class periods are 45 minutes in length, and each semester course is worth one-half unit of credit (except physical education that is one-fourth of a credit). Each student will schedule classes the spring prior to the start of a new school year. Students are committing to those courses as school wide decisions are based on the spring student course selections; therefore, schedules are final in the spring prior to each school year.

### **PLANNING A HIGH SCHOOL PROGRAM**

A good student record is the best recommendation a graduate can offer a college or a prospective employer. All colleges require an exact transcript of courses taken while in attendance in high school, as well as a recommendation from the high school counselor, teacher, or a principal. Employers will often request similar information. It is important for a student to maintain average or above average grades, or show improvement throughout high school. The pupil who shows improvement, rather than tapering off or declining during his/her last year, is in a more competitive position. (Most colleges and employers are interested in the student's record of attendance. A poor attendance record affects a student's chance of college admission and/or competing for a job after graduation.)

### **STUDENT RESPONSIBILITIES**

It is the students' responsibility to meet all graduation requirements. Students must meet all academic requirements, state testing requirements, and financial obligations to receive a diploma. Students must attend the last week of each semester for exams.

### **WEIGHTED CLASSES**

Honors and advanced placement courses are weighted courses. Students earning credit for a weighted course will receive a .05 "add-on", to be added to the cumulative grade point average upon successful completion of each weighted course. For grades 9-10, an A, B, or C will receive the add-on. For grades 11-12, an A or a B will receive the add-on.

### **SCHEDULE CHANGE PROCEDURE**

Counselors and teachers offer assistance during the selection of courses for each school year. The scheduling process for the following school year will begin during the second semester of the current school year. Parents and students, please recognize the number of school-wide decisions that rest upon your subject choices: the number and size of classes are determined, teachers are hired, and budget allocations are made. This is to ensure the district is as economically responsible and all resources are utilized appropriately. Therefore, class selections will be *final* in the spring semester prior to the start of the new school year. If a yearlong course is dropped at any time, it will result in a withdrawal fail.

### **SUMMER SCHOOL**

Students who fail a core course have the opportunity to take summer school classes in order to make up credit to stay on track for graduation. Courses are not offered at LMHS; however, classes can be taken with online vendors or at the Warren County Educational Service Center.

## **GRADE POINT AVERAGE**

A cumulative GPA is calculated for all high school level courses based on the number of credits received from weighted and unweighted courses. Cumulative GPAs are used by high schools to determine class rank and graduation honors, eligibility for the National Honor Society (NHS), by colleges as part of the admission criteria, by many scholarship and grant providers, and occasionally, by employers. This information is reported to parents and students on the student's high school transcript. The high school transcript is a record of all final course grades received for high school level courses. The LMHS grading scale is 90% and higher A, 80%-89% B, 70%-79% C, 60%-69% D, 59% and lower is an F. All failures result in no credit. Other than classes that are failed, classes cannot be repeated.

## **CLASS FEES**

Each spring the Board of Education establishes student fee schedules for the next school year. Fee levels are established in June and take effect that next school year. Students and parents are therefore advised that the fees referenced in the High School Course Description Guide are approximate amounts and subject to change based on supply prices as they are purchased. Students are given a breakdown of course fees in September and again in January.

## **POST-SECONDARY PLANNING**

### **GRADE 9**

- The 9<sup>th</sup> grade year begins your official high school record, unless you complete classes for high school credit before the 9<sup>th</sup> grade year. Grades will be recorded on your cumulative transcript.
- Get to know your school counselor and let them get to know you. Visit with your counselor frequently to make your adjustment to high school positive. Take advantage of all the services offered through the school's counseling program.
- Work hard to do as well as you can academically, seek assistance whenever needed, and utilize Extra Time Extra Help (ETEH).
- Participate in career exploration programs whenever possible, such as job shadowing, career based classes, and utilizing Naviance.
- Participate in extracurricular activities such as athletics and clubs.
- Begin researching colleges of interest.
- Participate in community/volunteer service activities.
- Students must meet state testing requirements for graduation.
- Wilmington College visit
- Job shadowing opportunities

### **GRADE 10**

- Continue working with your school counselor concerning your academic progress, work hard at your academics, and continue your involvement in extracurricular activities.
- Research career areas related to your interests by using the resource materials available in your counseling office. Visit the Warren County Career Center.
- Take the ASVAB. (This is a test given by the military, and there is no military commitment.)
- Register and take the PSAT in October.
- Utilize Naviance.
- Participate in Community/Volunteer Service activities.
- Take the ACT/SAT (especially if taking Algebra 2 as a sophomore).
- Students must meet all state testing requirements for graduation.
- Job shadowing opportunities

## **GRADE 11**

- Communication with your counselor becomes even more important in the second half of high school.
- Continue your involvement in extracurricular activities and maintain good grades.
- Continue your career research and begin matching your interests with career possibilities. Continue to research colleges and begin visiting and touring colleges.
- Register and take the PSAT in October.
- Take the ACT/SAT and ASVAB.
- Take part in all special programs developed by the school counseling department, such as, college representative visits, etc.
- Continue to utilize tools in Naviance.
- Participate in community/volunteer service activities.
- Must register with the NCAA Eligibility Center by the **end** of your junior year.
- Students must meet all state testing requirements for graduation.

## **THE SUMMER BETWEEN 11<sup>th</sup> AND 12<sup>th</sup> GRADES**

- Visit colleges.
- Meet with admissions representatives at colleges.
- Participate in Community/Volunteer Service activities.

## **GRADE 12**

- Take the ACT/SAT.
- Send official ACT and/or SAT scores to colleges
- Continue communication with your counselor and attend all senior meetings.
- Maintain a solid, quality, academic program.
- Complete college visits early in your senior year.
- Prepare applications and request transcripts through Naviance a minimum of **two weeks** before the admission deadline.
- Be aware of early application deadlines, especially applications to special programs.
- Apply for financial aid.
- Visit and meet with local recruiters about school and career opportunities if interested in the military.
- Complete career narrative and resume. (required)
- Complete 12 hours of community service. Six can be completed in one location, so your service must be completed in at least 2 different locations (required)

**CREDITS RECOMMENDED FOR COLLEGE ADMISSION IN OHIO**

<b>Core Subject</b>	<b>2 Year College Recommendations</b>	<b>4 Year College Recommendations</b>
English	4.0 credits	4.0 credits
World Language (same language)	0.0 credits	2.0 credits
Science (physical science, biology, chemistry)	3.0 credits	4.0 credits
Mathematics (Algebra I, Algebra II, Geometry)	4.0 credits	4.0 credits
Social Studies	3.0 credits	4.0 credits
Fine Arts (art, music)	1.0 credits	1.0 credits
Business and Technical education	0.0 credits	1.0 credits

*Some majors may require more extensive preparation in specific areas. Check with the school counselors and the specific university for additional information.*

*All students planning to enter college should complete at least one AP or Honors level class. Completing rigorous high school classes will better prepare you for post-secondary work.*

**POST SECONDARY CRITERIA FOR ADMISSION:**

1. GPA/Class Rank
2. ACT/SAT Scores
3. Extracurricular activities/Volunteer Work
4. Rigor of Class Schedule

**2021-2022 TEST DATES**

<b>ACT</b>	<b>SAT</b>
September 11, 2021	August 28, 2021
October 23, 2021	October 2, 2021
December 11, 2021	November 6, 2021
February 5, 2022	December 4, 2021
April 9, 2022	March 12, 2022
June 11, 2022	May 7, 2022
July 16, 2022	June 4, 2022

## Honors Diploma Requirements

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

Subject	Academic Diploma with Honors	Career-Technical Diploma with Honors
English	4 units	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher-level course or a four-year sequence of courses that contain equivalent content.	4 units, including Algebra I, Geometry, Algebra II or the equivalent and another high level course or a four-year sequence of courses that contain equivalent content.
Science	4 units, including two units of advanced science	4 units, including two units of advanced science
Social Studies	4 units	4 units
World Language	3 units of one world language, or no less than 2 units of two world languages studied	2 units of one world language
Fine Arts	1 unit	N/A
Electives	N/A	4 units of Career-Technical minimum. Program must lead to an industry-recognized credential, apprenticeship, or be part of an articulated career pathway that can lead to post- secondary credit.
Grade Point Average	3.5 on a 4.0 scale (unweighted)	3.5 on a 4.0 scale (unweighted)
ACT/SAT Score (excluding scores from the writing sections)	27 ACT or higher 1280 SAT or higher	27 ACT or higher 1280 SAT or higher Work Keys (6 Reading & 6 Math or higher)
Additional Assessment	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent

## **PROGRAM OPTIONS**

### **ADVANCED PLACEMENT PROGRAM**

Little Miami High School offers advanced placement courses providing students with the opportunity to pursue college level studies while still in high school. Based on their performance on rigorous end of course exams, students can earn credit, advanced placement, or both, for college. Students must complete the entire course. These courses can be used for gifted services.

The College Board sets the fee for AP Exams. Students are charged the AP exam fee with other school fees. Students may qualify for a reduced AP exam fee. All students enrolled in an AP course must take the AP Exam at the end of the school year.

### **HONORS CLASSES**

Honors classes are offered in English, science, social studies, and math. These classes are more rigorous and give students the ability to earn weighted credit towards their GPA. These courses can be used for gifted services.

### **CREDIT FLEXIBILITY PROGRAM**

The Credit Flexibility Program allows students to earn high school credit based on an individually developed and school approved credit flexibility plan. The intent of credit flexibility is to meet increased expectations for high school graduation in response to globalization, technology, and demographics and to meet the demand for 21<sup>st</sup> century skills. It is important for students to adhere to application deadlines. See your school counselor for more information.

**Applications for this program must be submitted at least two weeks prior to the beginning of each semester.**

### **COLLEGE GUIDANCE**

A representative from Sinclair Community College comes to LMHS to work with students each week. Students receive 1 on 1 *college* guidance from a college representative. Students are able to schedule classes at Sinclair through this representative.

### **CAREER GUIDANCE**

A representative from the United Way of Warren County comes to LMHS to work with students who will enter the work force directly from high school. Students receive 1:1 guidance and multiple opportunities to visit job sites in order to prepare them for the work force following graduation.

### **EARLY GRADUATION REQUIREMENTS**

Early graduation is available for any senior in good standing at the end of their junior year. To apply for early graduation, a student must complete a request form and then meet with their counselor. In order to be eligible for early graduation, a student must be on track for graduation (no academic deficiencies and have passed all state testing requirements). A student may opt to receive his/her diploma at the end of first semester or at the end of second semester. A student who receives his/her diploma at the end of second semester will be eligible for participation in all school activities/ceremonies. Any early graduate who fails a course necessary for graduation first semester is not eligible for early graduation.

## **VIRTUAL LEARNING/ONLINE COURSES**

The Little Miami High School Virtual Learning offers online courses. Online courses offer increased flexibility. Students can choose to take a course at home or during a scheduled period at the high school. The LMHS Virtual Learning program provides an onsite, online facilitator who will oversee the success of each student. There are fees for these courses. Not all of these courses meet NCAA eligibility requirements.

## **LM ONLINE**

Students are able to take all classes online and remain a Little Miami High School student. The participation fee is \$75.00; the family provides the computer, printer, and internet connection used to complete all classes. A student must maintain a “C” or better in all classes to remain a virtual student. The district provides an online administrator to act as a liaison between the student and online teachers. Not all of these courses meet NCAA eligibility requirements.

## **WCCC SATELLITE COURSES**

Satellite courses are available at Little Miami High School through the Warren County Career Center. The programs are in the areas of business, digital media arts, informational technology, and engineering. Students can earn college scholarships from Sinclair through a combination of these courses. Sinclair manages the scholarships and requirements.

## **ENGLISH AS A SECOND LANGUAGE (ESL)**

English as a Second Language is offered to students who qualify for ESL support through a Limited English Proficiency Plan. Criteria for the ESL program include:

- The student is enrolled in the Little Miami School District.
- Student’s primary/home/native language is a language other than English, whether born in the United States or another country.
- The student scores less than proficient in one or more areas of English proficiency (reading, writing, listening, speaking, and comprehension) on tests of English language proficiency administered within the district.
- The student has difficulty speaking, reading, writing, or understanding English and that student may be unable to perform well enough in class or on state tests to meet expected state standards for achievement.
- Materials and the instructional pace of ESL tutoring are adapted to meet the individual needs of each student. Students move from the beginning levels of English to proficiency as basic skills and English fluency are acquired.

## **SPECIAL EDUCATION**

A student receives special education and related services through the Special Education Department based on student needs identified and documented through the IEP process.

A student’s disability category does not determine the type or level of special education services to be provided. This is determined individually through the IEP process. Instructional support may include modifications to the curriculum or accommodations that assist the student in accessing the curriculum. Support is provided in a continuum of environments including, but not limited to:

- General education classes
- General education classes with special education support (inclusion)
- Resource classes (core taught by an Intervention Specialist with a modified curriculum)
- Small group intervention, work study, job training, resource classroom

## **WARREN COUNTY CAREER CENTER (WCCC)**

The Warren County Career Center serves six main area schools: Franklin, Kings, Lebanon, Little Miami, Springboro, and Waynesville. All programs at the WCCC are two years in length (with the exception of senior programs).

Career Center courses are designed for students who are juniors and seniors in high school. A student must have a minimum of 11 credits by the end of their sophomore year to be able to attend the WCCC their junior year.

### **Credits That Must Be Earned to Attend the WCCC as a Junior**

<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>
English 9	English 10
Algebra I	Geometry
World History	American History
Physical Education	Health
Science	Science

## **WCCC CAREER PROGRAMS 2021-2022**

- Advanced Manufacturing & Robotics
- Aerospace Academy
- Automotive Technology
- Carpentry
- Cosmetology
- Criminal Justice
- Culinary Technology
- Cybersecurity
- Dental Assisting
- Digital Design
- Early Childhood Education
- Electricity
- Fire Science/EMT Basic
- Graphic Arts & Imaging
- Healthcare Management
- Heavy Equipment / Site Construction
- HVAC/Heating, Ventilation & Air Conditioning
- Information Technology
- Landscape Technology
- Pre-Nursing
- Sports and Exercise Therapy
- Surgical Technology
- Veterinary Science
- Welding and Metal Fabrication

## **COLLEGE CREDIT PLUS (CC+)**

The College Credit Plus (CC+) program is a state mandated program that allows high school students in grades 7-12 to earn college and high school credit at the same time. This option is appropriate for students who are mature and academically ready to take college level courses, want to obtain college credits prior to completing high school, and have been accepted into a college. The program is not intended to replace high school honors or advanced placement classes. Parents and students must attend the district and building meetings for CC+ before applying to any for this program. All CC+ paperwork must be

submitted at the building meeting and submitted by April 1<sup>st</sup>. All college level courses completed with a grade of “Not Making Progress”, or the equivalent, will result in a grade of “F” and zero credit at the high school level. Families will be billed for failed classes. If a student falls below a 2.0 GPA, the student will be placed on probation within the program. Below is an example of a 15 and 30 credit hour pathway. Most of these classes will be taken on a college campus.

### 15 Credit Hour Pathway

Class Code	Class Name	Credits
COM 2211	Effective Public Speaking	3.0
ENG1101	English Composition 1	3.0
HIS 1101	U.S. History I	3.0
MAT 1470	College Algebra	3.0
PSY 1100	General Psychology	3.0
<b>Total Credit Hours</b>		<b>15.0</b>

### 30 Credit Hour Pathway

Class Code	Class Name	Credits
COM 2211	Effective Public Speaking	3.0
ENG 1101	English Composition 1	3.0
HIS 1101	U.S. History I	3.0
MAT 1470	College Algebra	3.0
PSY 1100	General Psychology	3.0
COM 2206	Interpersonal Communication	3.0
LIT 2220	Introduction to Literature	3.0
HIS 1102	U.S. History II	3.0
MAT 1570	Trigonometry	3.0
SOC 1101	Introduction to Sociology	3.0
<b>Total Credit Hours</b>		<b>30.0</b>

## GRADUATION AND TESTING REQUIREMENTS

### Progression of Required Courses

Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	English 11	English 12
Mathematics	Mathematics	Mathematics	Mathematics
World History	American History	Government (0.5 credit)	Economics (0.5 credit)
Science	Science	Science	Elective
Physical Education	Health	Elective	Elective
Fine Art	Fine Art	Elective	Elective

### LITTLE MIAMI HIGH SCHOOL CURRICULUM REQUIREMENTS

Subject	Credits
English Language Arts	4.0
Mathematics (must include Algebra II)	4.0
Science (must include physical science, biology, and an advanced science)	3.0
Social Studies (must include World History, American History, American Government, and Economics)	3.0
Health (must be completed sophomore year)	0.5
Physical Education (must be completed freshman year)	0.5
Fine Arts	1.0
Electives: world language, fine arts, business, career/tech ed., technology, JROTC, math/science/social studies electives	4.0
<b>Total Minimum Requirements for Graduation</b>	<b>20.0</b>

*PE classes such as Dance Fit & Yoga and Personal Fitness do not fulfill elective requirements.*

*World Language is not required for graduation from Little Miami High School, but 4-year colleges and universities recommend it.*

*Seniors must complete 12 hours of Community Service. A maximum of 6 hours may be earned for each activity. A Community Service form must be completed for each experience. Forms are available in the Counseling Office or in room 230. (Early Graduates must earn 6 hours of Community Service.)*

### WARREN COUNTY CAREER CENTER CURRICULUM REQUIREMENTS

Subject	Credits
English Language Arts	4.0
Mathematics (must include Algebra II)	4.0
Science (must include physical science, biology, and an advanced science)	3.0
Social Studies (must include World History, American History, American Government, and Economics)	3.0
Health (must be completed sophomore year)	0.5
Physical Education (must be completed freshman year)	0.5
Electives	5.0
<b>Total Minimum Requirements for Graduation</b>	<b>20.0</b>

*World Language is not required for graduation from Little Miami High School or the WCCC, but most 4-year colleges and universities require it. The WCCC does not offer world languages.*

*WCCC students are not required to complete community service hours.*

## **OHIO DEPARTMENT OF EDUCATION TESTING REQUIREMENTS**

### Class of 2020:

As a student who entered grade 9 between **July 1, 2016, and June 30, 2017**, you have multiple pathways to earn a high school diploma so that you can move on to your next steps in education or a career.

[Earning an Ohio High School Diploma for the Class of 2020](#)

[Complete Courses and Requirements](#)

[Earn at least 18 points on seven end-of-course state tests](#)

[Additional options to earn a high school diploma for the class of 2020](#)

[Industry Credentials and Workforce Readiness](#) | [Senior Only Program](#)

[College and Career Readiness Tests for ACT and SAT](#)

[OhioMeansJobs-Readiness Seal](#)

[Frequently Asked Questions: 2018-2020 Additional Graduation Options](#)

[Honors Diplomas](#)

### Classes of 2020 and 2021:

State law introduced new, permanent graduation requirements that are available for the classes of 2021 and beyond. Students entering ninth grade between **July 1, 2017, and June 30, 2019**, have the option to meet the [new requirements](#) outlined for the class of 2023 and beyond or meet the requirements of the [original three pathways to graduation](#).

[Earning an Ohio High School Diploma for the Classes of 2021 and 2022](#) | [Handout](#)

[Ohio's Assessment and Graduation Requirements for the Classes of 2021 and beyond – Guidance for Districts and Schools](#)

[Overview of Graduation Requirements by Graduating Class](#)

[Complete Courses and Requirements](#)

[Earn at least 18 points on seven end-of-course state tests](#)

[Industry Credentials and Workforce Readiness](#) | [Senior Only Program](#)

[College and Career Readiness Tests for ACT and SAT](#)

### Class of 2023 and beyond:

State law introduced new, permanent graduation requirements for students in the class of 2023 and beyond. Students entering ninth grade **after July 1, 2019**, must meet the [new requirements](#) outlined in state law. Department staff are working to update the graduation webpages and guidance documents. Please check back often.

**Handout:** [Graduation Requirements for the classes of 2023 and beyond](#)

[Ohio's Assessment and Graduation Requirements for the Classes of 2021 and beyond – Guidance for Districts and Schools](#)

[Overview of Graduation Requirements by Graduating Class](#)

## ATHLETICS AND EXTRACURRICULAR ACTIVITIES

### **LMHS SPORTS:**

FALL	WINTER	SPRING
Football	Basketball*	Baseball
Soccer *	Bowling*	Softball
Women's Tennis	Swimming*	Track*
Cross Country *	Diving*	Men's Tennis
Volleyball	Wrestling	Lacrosse*
Cheerleading (stunt)	Cheerleading (stunt)	
Golf *	Academic Team	

\*Men's and Women's Teams Available

### **ATHLETIC/EXTRA-CURRICULAR ELIGIBILITY**

All high school student athletes must meet the O.H.S.A.A. academic requirement; this states that the athlete is required to have passed the equivalent of five credits toward graduation the preceding grading period in order to participate the following grading period. Physical education does not count as one of the five credits. Any change in O.H.S.A.A. eligibility status for a student athlete becomes effective on the start of the fifth school day after the end of the grading period. A student enrolled in the first grading period after advancement from the eighth grade must have passed a minimum of five of all subjects carried the preceding grading period. All fall athletes will qualify academically by their performance in the last 9-week grading period of the preceding school year. There is a weekly grade check to determine weekly eligibility. Athletes cannot re-establish athletic eligibility by taking coursework in summer school.

The athletic director completes weekly grade checks. Teachers record all weekly grades in Progress Book. The cumulative grade averages from the beginning of the quarter are used to determine weekly eligibility. The previous week's grade check determines the following week's status. Coaches, teachers, and administrators receive a weekly copy of the list of ineligible students.

### **NCAA ELIGIBILITY**

Students who plan to participate in college athletics at an NCAA member school must ensure that courses taken throughout his or her high school career meets the eligibility standards as set by the NCAA Eligibility Center. For a complete listing of all requirements as well as all approved and denied courses for Little Miami High School, please visit the NCAA Eligibility Center website at <http://eligibilitycenter.org/>. Please note that some online courses offered by LMHS do not meet the eligibility standards set by the NCAA Eligibility Center.

## **PAY TO PARTICIPATE FEE**

There is a pay to participate fee for each sport. The cost is \$250 to be paid at the beginning of each season. Please contact the athletic director with any questions.

## **LMHS ACTIVITIES:**

Academic Team	GSA
AFJROTC Color Guard	H.O.P.E
AFJROTC Multicopter Club	Hope Squad
Art Club	Improv Club
Board Gaming Club	Little Miami Historical Society
Business Professionals of America (BPA)	Marching Band & Pep Band
Choir	National Honor Society (NHS)
Class Officers	One Small Step
Dance Team	Outdoor Club
Diversity & Inclusion	Ping Pong Club
Drama Club	Power of the Pen
Dungeons & Dragons Club	Sign Language Club
Engineering Club	Société Honoraire de Français
Environthon	Spanish Club
FCS	Student Ambassadors
Film Club	Student Government
French Club	U4U
Gamer Club	Yoga Club

## **NATIONAL HONOR SOCIETY CRITERIA**

- 3.5 un-weighted GPA or 3.75 weighted GPA
- Potential members must complete an information sheet indicating how they have demonstrated the principles of character, scholarship, leadership and service in the spring of their junior year.
- An anonymous faculty selection committee chooses NHS members.
- Students must apply to be considered. Incomplete or late applications cannot be accepted.

## **Air Force Junior Reserve Officer Training (AFJROTC)**

The mission of the AFJROTC program is to develop citizens of character dedicated to serving their nation and community. The goals of the program are to instill values of citizenship, give service to the United States, develop a personal responsibility, and instill a sense of accomplishment in high school students. The objectives of AFJROTC are to educate and train high school cadets in citizenship; promote community service; instill responsibility, character, and self-discipline; and provide instruction in air and space fundamentals. Students will be required to wear a uniform once a week to school for inspection, and they are required to follow all Air Force grooming standards. ***There is no military commitment with this program.***

## Recommended Student Programs

### RECOMMENDED STUDENT PROGRAM FOR THE FRESHMAN YEAR

This page lists the required and possible electives for the freshman year. The information below will allow students and parents to create a schedule appropriate for a 9<sup>th</sup> grade student. If a scheduling conflict occurs, a student will be enrolled into one of his/her alternative selections.

1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
English 9 or Honors English 9	English 9 or Honors English 9
Physical Science or Honors Biology	Physical Science or Honors Biology
Mathematics	Mathematics
World History/Honors World History	World History/Honors World History
Physical Education Fundamentals	Physical Education Fundamentals
Study Hall	Study Hall
Elective	Elective

### REQUIRED COURSES FOR THE FRESHMAN YEAR:

English 9 or Honors English 9 (full year)  
 Physical Science or Honors Biology (full year)  
 Mathematics (full year)  
 World History/Honors World History/AP World History (full year)  
 Physical Education Fundamentals (full year)  
 Study Hall

**FRESHMAN ELECTIVES:** All electives are semester courses unless noted as full year (FY).

Art	Music	Social Studies
Art Fundamentals	Beginning Guitar	Ancient World Civilizations
	Careers in Music	People of the World
English	Concert Band (FY)	
Creative Writing	Rock and Roll Hall of Fame	
	Symphonic Band (FY)	
Math	Tenor-Bass Choir 1&2	
Algebra 1C	Treble Choir 1&2	

WCCC Satellite Classes	World Language	Other
A+ Preparation Hardware/Software (FY)	French 1 (FY)	AFJROTC (FY)
Business Computer Applications	French 2 (FY)	Kinesiology & Fitness
Database Management (FY)	Spanish 1 (FY)	Online Courses
Introduction to Business	Spanish 2 (FY)	
Introduction to Digital Media Arts		
Introduction to Information Technology		
PLTW 1: Introduction to Engineering (FY)		
PLTW 3: Aerospace Engineering (FY)		
Web Development		

## RECOMMENDED STUDENT PROGRAM FOR THE SOPHOMORE YEAR

This page lists the required and possible electives for the sophomore year. The information below will allow students and parents to create a schedule appropriate for a 10<sup>th</sup> grade student. If a scheduling conflict occurs, a student will be enrolled into one of his/her alternative selections.

1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
English 10 or Honors English 10	English 10 or Honors English 10
Biology/Honors Biology or Chemistry/Honors Chemistry	Biology/Honors Biology or Chemistry/Honors Chemistry
Mathematics	Mathematics
American History/Honors/AP US History	American History/Honors/ AP US History
Study Hall	Study Hall
Health	Elective
Elective	Elective

### REQUIRED COURSES FOR THE SOPHOMORE YEAR:

English 10 or Honors English 10 (full year)  
 Biology/Honor Biology or Chemistry/Honors Chemistry (full year)  
 Mathematics (full year)  
 American History/Honors or AP US History (full year)  
 Health (semester)  
*Study Hall is optional but strongly recommended.*

### SOPHOMORE ELECTIVES: All electives are semester courses unless noted as full year (FY)

Art	English	Math
Art Fundamentals	Advanced Creative Writing	AP Computer Science Principles (FY)
Ceramics	Broadcast Media and Film	
Drawing	Creative Writing	<b>Social Studies</b>
Painting	Speech and Debate	Ancient World Civilizations
Photography		AP European History (FY)
Sculpture		AP US History (FY)
<b>Music</b>	<b>Science</b>	Applied Psychology
Beginning Guitar	Honors Biodiversity	Intro to Psychology
Careers in Music		People of the World
Concert Band (FY)	<b>World Language</b>	Sociology
Little Miami Chorale	French 1, 2, 3 (FY)	
Rock and Roll Hall of Fame	Spanish 1, 2, 3 (FY)	<b>WCCC Satellite Classes</b>
Select Mixed Choir 1 & 2		A+ Preparation Hardware/Software (FY)
Symphonic Band (FY)	<b>Other</b>	Business Computer Applications
Tenor-Bass Chorus 1 & 2	AFJROTC (FY)	Computer Programming (FY)
Treble Choir 1 & 2	Kinesiology & Fitness	Computer Networking Systems (FY)
	Online Courses	Database Management (FY)
	Study Hall	Introduction to Business
		Introduction to Digital Media Arts
		Introduction to Information Technology
		PLTW: 1 Introduction to Engineering (FY)
		PLTW 2: Principles of Engineering (FY)
		PLTW 3: Aerospace Engineering (FY)
		PLTW 6: Civil Engineering (FY)
		Web Development (FY)

## RECOMMENDED STUDENT PROGRAM FOR THE JUNIOR YEAR

This page lists the required and possible electives for the junior year. The information below will allow students and parents to create a schedule appropriate for an 11<sup>th</sup> grade student. If a scheduling conflict occurs, a student will be enrolled into one of his/her alternative selections.

1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
English 11 or Honors English 11	English 11 or Honors English 11
Science	Science
Mathematics	Mathematics
American Government or AP US GOV	AP US GOV or Social Studies Elective
Study Hall	Study Hall
Elective	Elective
Elective	Elective

### REQUIRED COURSES FOR THE JUNIOR YEAR:

English 11 or Honors English 11 (full year)

Science (full year)

Mathematics (full year)

American Government (semester)/AP US Government/Politics (full year)

*All college bound students are encouraged to take a high-level math and science class. Additionally, college bound students are also encouraged to take an AP or Honors level class before graduation if recommended.*

**JUNIOR ELECTIVES: All electives are semester courses unless noted as full year (FY).**

Art	English	Math
Advanced Ceramics	Advanced Creative Writing	AP Calculus (FY)
Advanced Drawing/Portfolio Prep	Broadcast Media and Film	AP Computer Science Principles (FY)
Advanced Painting	Creative Writing	AP Statistics (FY)
AP Studio Art: Drawing (FY)	Speech and Debate	College Bound
Art Fundamentals		Introduction to Probability/Statistics
Ceramics	<b>Other</b>	
Drawing	AFJROTC (FY)	<b>Science</b>
Painting	Online Courses	AP Biology (FY)
Photography	Personal Finance	AP Chemistry (FY)
Sculpture	Study Hall	Chemistry (FY)
		Environmental Science
<b>Music</b>	<b>WCCC Satellite Courses</b>	Forensic Science
Beginning Guitar	A+ Preparation Hardware/Software (FY)	Honors Anatomy/Physiology (FY)
Careers in Music	Accounting (FY)	Honors Biodiversity
Concert Band (FY)	Computer Networking Systems (FY)	Honors Chemistry
Little Miami Chorale 1& 2	Computer Programming (FY)	Honors Physics
Rock and Roll Hall of Fame	Database Management (FY)	Introduction to Anatomy/Physiology
Select Mixed Choir 1&2	Digital Media Arts 1 (FY)	Marine Biology
Symphonic Band (FY)	International Business (FY)	
Tenor-Bass Chorus 1 & 2	Introduction to IT	<b>Social Studies</b>
Treble Choir 1 & 2	PLTW 1: Introduction to Engineering (FY)	AP U.S. Government (FY)
	PLTW 2: Principles of Engineering (FY)	AP European History (FY)
<b>World Language</b>	PLTW 3: Aerospace Engineering (FY)	AP US History (FY)
French 1,2,3,&4 (FY)	PLTW 6: Civil Engineering (FY)	Ancient World Civilizations
Spanish 1,2,3,&4 (FY)	Strategic Entrepreneurship (FY)	Applied Psychology
	Web Development (FY)	Current Issues 1&2
<b>Physical Education</b>		Introduction to Psychology
Fitness & Conditioning		People of the World
Kinesiology & Fitness		Sociology
Yoga and Mindfulness		

## RECOMMENDED STUDENT PROGRAM FOR THE SENIOR YEAR

This page lists the required and possible electives for the senior year. The information below will allow students and parents to create a schedule appropriate for a 12<sup>th</sup> grade student. If a scheduling conflict occurs, a student will be enrolled into one of his/her alternative selections.

1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
English 12 or AP English Literature	English 12 or AP English Literature
Science	Science
Mathematics	Mathematics
Economics	Social Studies Elective
Study Hall	Study Hall
Elective	Elective
Elective	Elective

### REQUIRED COURSES FOR THE SENIOR YEAR:

English 12 or AP English (full year)

Mathematics (full year)

Economics (semester)

*All college bound students are encouraged to take a high-level math and science class. Additionally, college bound students are also encouraged to take an AP or Honors level class before graduation if recommended.*

**SENIOR ELECTIVES: All electives are semester courses unless noted as full year (FY).**

Art	English	Math
Advanced Ceramics	Advanced Creative Writing	AP Calculus (FY)
Advanced Drawing/Portfolio Prep	AP English Literature (FY)	AP Computer Science Principles
Advanced Painting	Broadcast Media and Film	AP Statistics (FY)
AP Studio Art: Drawing (FY)	Creative Writing	College Bound
Art Fundamentals	Speech and Debate	Intro to Probability/Statistics
Ceramics		
Drawing	<b>Other</b>	<b>Physical Education</b>
Painting	AFJROTC & AFJROTC 4: Management of the Cadet Corps (FY)	Yoga and Mindfulness
Photography	Online Courses	Fitness and Conditioning
Sculpture	Personal Finance	Kinesiology & Fitness
	Senior Internship	
<b>Music</b>	Study Hall	<b>WCCC Satellite Classes</b>
Beginning Guitar	Work Based Learning	A+ Preparation Hardware/Software (FY)
Careers in Music		Accounting (FY)
Concert Band (FY)	<b>Social Studies</b>	AP Studio Art: 2-D Design (FY)
Little Miami Chorale 1 & 2	AP European History (FY)	Computer Networking Systems (FY)
Rock and Roll Hall of Fame	AP Government (FY)	Computer Programming (FY)
Select Mixed Choir 1 & 2	AP US History (FY)	Database Management (FY)
Symphonic Band (FY)	Applied Psychology	Digital Media Arts 1&2 (FY)
Tenor-Bass Chorus 1 & 2	Current Issues 1&2	International Business (FY)
Treble Choir 1 & 2	Introduction to Psychology	Introduction to Information Technology
	Sociology	PLTW 1: Introduction to Engineering (FY)
<b>Science</b>		PLTW 2: Principles of Engineering (FY)
AP Biology (FY)	<b>World Language</b>	PLTW 3: Aerospace Engineering (FY)
AP Chemistry (FY)	French 1,2,3,4, & AP (FY)	PLTW 5: Engineering Design and Development
Chemistry (FY)	Spanish 1,2,3,4, & AP (FY)	PLTW 6: Civil Engineering (FY)
Environmental Science		Strategic Entrepreneurship (FY)
Forensic Science		Web Development (FY)
Honors Anatomy/Physiology (FY)		
Honors Chemistry (FY)		
Honors Physics (FY)		
Introduction to Anatomy/Physiology		
Marine Biology		

**LMHS**  
**Course**  
**Descriptions**  
**2021-2022**



## **AIR FORCE JUNIOR OFFICER TRAINING CORPS (AFJROTC)**

*Grade Level: 9-12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$25.00*

AFJROTC is the primary AFJROTC course for all cadets. It consists of three components: Aerospace Science (40%), Leadership Education (40%), and Wellness/Physical Fitness (10%). The Aerospace Science portion is a science course that will cover the latest information available in space science and space exploration. The Leadership Education portion introduces the student to AFJROTC program, instills elements of good citizenship, strengthens and develops character, as well as prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. The Wellness/Physical Fitness portion encourages AFJROTC cadets to lead an active and healthy lifestyle. Two full credits of AFJROTC fulfills the state requirement of 1/2 credit of physical education. ***There is no military commitment for taking AFJROTC.***

## **AIR FORCE JUNIOR OFFICER TRAINING CORPS 4: MANAGEMENT OF THE CADET CORPS (AFJROTC 4)**

*Grade Level: 12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: AFJROTC*

*Approximate Cost: \$25.00*

AFJROTC 4 continues to build on the citizenship and leadership skills cadets were introduced to in previous AFJROTC courses and is reserved strictly for members of the cadet corps leadership. It consists of three components: Aerospace Science (40%), Leadership Education (40%), and Wellness/Physical Fitness (10%). This course is a practicum for cadets to provide hands-on experience for the opportunity to put the theories of previous leadership courses into practice. Cadets (under the supervision of AFJROTC instructors) are responsible for all planning, organizing, coordinating, directing, controlling, and decision-making for the cadet corps. They practice communication, decision-making, personal-interaction, managerial, and organizational skills. Optional material may be included depending on Corps management requirements. The Wellness/Physical Fitness portion encourages AFJROTC cadets to lead an active and healthy lifestyle. Two full credits of AFJROTC fulfills the state requirement of 1/2 credit of physical education. ***There is no military commitment for taking AFJROTC.***

## **AIR FORCE JUNIOR OFFICER TRAINING CORPS 450: PRIVATE PILOT GROUND SCHOOL**

*Grade Level: 11-12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: AFJROTC & Instructor Approval*

*Approximate Cost: \$0.00*

The AFJROTC 450 course prepares students to take the Federal Aviation Administration Private Pilot Certificate examination. Cadets' studies include aerodynamics, airplane systems, airports, airspace, communications, Federal Air Regulations, navigation, airplane performance, flight planning and flight physiology. The course is taught by an FAA certified ground instructor in a collegiate style. When students satisfactorily complete this course, they will be eligible to take the Private Pilot FAA written examination. Students who plan to continue toward their Private Pilot license will be required to register with the FAA and complete the written examination. The cost of the examination will be at students' expense and is not a part of the AFJROTC 450 curriculum.

## **ART DEPARTMENT**

### **Advanced Placement Art Studio: Drawing**

*Grade Level: 11-12*

*Course Length: Year long*

*Credit: 1.0*

*Prerequisite: Advanced Drawing and Portfolio Preparation with a grade of at least a "B"*

*Approximate Cost: \$140.00 (\$95 AP exam fee, \$45 art supply fee)*

The AP Studio Art Drawing Portfolio course is designed for students who are seriously interested in the practical experience of art and wish to develop mastery in the concept, composition, and execution of their ideas. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. In building the portfolio, students experience a variety of concepts, techniques and approaches designed to help them demonstrate their abilities as well as their versatility with techniques, problem solving, and ideation. Students also develop a body of work for the concentration section of the portfolio that investigates an idea of personal interest to them. This is a year-long course limited to juniors and seniors with a prerequisite in advanced drawing and portfolio prep. The assignments made are based on a variety of collected problems commonly encountered in college-level 2D design courses. **A teacher recommendation is needed.**

### **Art Fundamentals**

*Grade Level: 9-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None, this course is needed for all other art classes*

*Approximate Cost: \$35.00*

Art Fundamentals emphasizes a study of the elements and principles of art and design. Students explore, organize, and use the elements and principles to create two- and three-dimensional original work in various forms and media. Understanding elements and principles of art are imperative to a strong art foundation. Students are expected to take notes and maintain a sketchbook.

### **Ceramics**

*Grade Level: 10-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Grade of at least a "C" in Art Fundamentals*

*Approximate Cost: \$50.00*

Original objects (primary, utilitarian, and pottery) are created with clay using hand building and glazing techniques. Objects created by professional ceramists are examined for their expressive, formal, and technical qualities. This course discusses the history of clay, its origins, composition, glazes and firing. Projects may include, but are not limited to pinch pots, coil construction, slab construction. Students will be expected to take notes and do preliminary drawings.

### **Advanced Ceramics**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Grade of at least a "B" in Ceramics*

*Approximate Cost: \$50.00*

Advanced Ceramics focuses on the art of throwing pottery on the wheel and using a variety of hand building and slab molding methods. This course discusses the history of wheel thrown pottery and a more intensive study of glazing techniques. This is an advanced course of organized subject matter and experiences in art. Pottery will be analyzed from different cultures and artwork created by the students. Student's expectation is to take notes and maintain a sketchbook. **A teacher recommendation is needed.**

### **Drawing**

*Grade Level: 10-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Grade of at least a "C" in Art Fundamentals*

*Approximate Cost: \$40.00*

Basic Drawing is a class that will focus on drawing skills and techniques. Some items studied will be proportion, shading, blending, and perspective. Students will use a variety of drawing paper and media including pencil, colored pencil, pastels, pen and ink, charcoal, etc. to explore and create original personal images. Drawings by culturally and historically representative artists are examined for their formal, expressive, and technical qualities. Students will be expected to take notes and maintain a sketchbook.

### **Advanced Drawing and Portfolio Preparation**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Grade of at least a "B" in Drawing*

*Approximate Cost: \$45.00*

Advanced Drawing is an advanced level art course focusing on the commitment to developing observational skills and illustrative techniques. Students will develop personal artwork and themes on a higher and more independent level. This course is to create artwork worthy for a portfolio review for college-bound students. Students will continue to explore 2D art materials and processes while developing their own artistic vision and themes. All supplies will be the property of the student at the finale of the course. **A teacher recommendation is needed.**

## **Painting**

*Grade Level: 10-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Grade of at least a "C" in Art Fundamentals*

*Approximate Cost: \$65.00*

Painting will focus on developing basic painting skills. Media will include watercolor, tempera, and acrylic that will be explored to create original personal images. Students will have the opportunity to use professional quality brushes and paper. Lessons will develop techniques and skills allowing students to gain confidence in the painting world. Paintings by culturally and historically representative artists are examined for their formal, expressive, and technical qualities. Students will be expected to take notes and do preliminary drawings.

## **Advanced Painting**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Grade of at least a "B" in Painting with teacher signature of approval*

*Approximate Cost: \$75.00*

Advanced Painting is an advanced level art course focusing on the commitment to developing observational skills and illustrative techniques. This course will explore the mediums of watercolor, acrylic, oil paint, encaustic and their unique applications in composition. Students will develop personal artwork and themes on a higher and more independent level. This course is to create artwork worthy for a portfolio review for college-bound students. Students will continue to explore 2D art materials and processes while developing their own artistic vision and themes. All supplies will be the property of the student at the finale of the course. Students will be expected to maintain a sketchbook for sketchbook assignments. **A teacher recommendation is needed.**

## **Photography**

*Grade Level: 10-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Grade of at least a "C" in Art Fundamentals*

*Approximate Cost: \$45.00*

*Additional: You must have your own digital camera that meets class requirements*

This course will introduce students to the basic principles of photography and instruct them in the various types of cameras, lenses, and filters. Students will use the photographic building blocks of light, time, and subject to create original portraits, landscapes, and still-life images. Other topics include action photography and photojournalism. Students will critique their artwork based on the elements of art and principles of design. Students will produce a portfolio of their original photographic work. Students need a digital SLR (single lens reflex) camera with a minimum of 6 mega pixels. (Not a camera phone or compact camera.)

**Sculpture**

*Grade Level: 10-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Grade of at least a "C" in Art Fundamentals*

*Approximate Cost: \$65.00*

This class will focus on three dimensional artwork that uses a variety of sculptural methods such as carving, assembling, modeling, and casting. Students will be trained to use a variety of tools and materials including, but not limited to, clay, crea-stone, foam boards, and plaster. Students will be expected to take notes and do preliminary drawings.

**BUSINESS ELECTIVES****Personal Finance**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$10.00*

Learn to take charge of your personal finances instead of letting your money control you. Students will learn to set goals, perform mathematical calculations, and make responsible decisions regarding money management and investment strategies to achieve financial independence. Topics will include budgeting, careers, checking, credit, paying for college, saving, taxes, insurance, investing in stocks, bonds and mutual funds, and portfolio management. Students will participate in the Stock Market Game.

**Personal Finance (Year Long)**

*Grade Level: 11-12*

*Course Length: Year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$10.00*

All topics listed above in the semester version of Personal Finance will be covered. In addition, we will cover topics in the areas of financial pitfalls, finding work in high school, alternatives to 4-year colleges, careers, entrepreneurship, philanthropy, and ethics. Students will participate in the Stock Market Game (Year Long Version).

**Senior Internship Program**

*Grade Level: 12*

*Course Length: Semester*

*Credit: 1.0*

*Prerequisite: A 2.8 GPA or higher, 90% or better attendance rate, Interview*

*Approximate Cost: \$15.00*

This is a class which provides an opportunity for students to explore their area of career interest by interning at two different sites. Students will spend 6.5 hours per week for six weeks at an internship location during each quarter of the semester. Please consider other

commitments such as sports, band, and other employment when making a decision to register for this class. Students will attend academic course classes in the morning and travel to an internship site in the afternoon. The goal is to place students in their area of interest. However, students must be flexible and work at an alternate internship if this is not possible. Students must have their own reliable transportation.

### **Work Based Learning**

*Grade Level: 12*

*Course Length: Semester*

*Credit: 1.0 credit per semester*

*Prerequisite: Completed Application and Administrative Approval*

*Approximate Cost: TBD*

Work-based learning experiences are conducted at a worksite during or after school. They are designed to provide authentic learning experiences to students that link academic, technical and professional skills. Business and education partners work together to evaluate and supervise the experience, which must be documented with training or learning plans and evaluation forms. With parent permission, students are allowed to sign out of school after 5th period for their work based learning experience.

***\*For additional Business classes, please see pages 56-57 for WCCC Business courses that are offered here at LMHS\****

## **ENGLISH DEPARTMENT**

### **English 9**

*Grade Level: 9*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$4.00*

Instruction will be based on the Ohio benchmarks and indicators for grade nine. Students will read a variety of texts, utilize the writing process, write for different purposes, research self-selected or assigned topics, and continue to use effective communication techniques.

### **Honors English 9**

*Grade Level: 9*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Grade of at least a "B" in 8<sup>th</sup> grade Language Arts*

*Approximate Cost: \$4.00*

This is an accelerated and in-depth course of study. It will challenge motivated and self-directed students to excel by thinking and writing independently and creatively. Instruction will be based on the Ohio benchmarks and indicators for grade nine. Students will read a variety of texts, utilize the writing process, write for different purposes, research self-selected or assigned topics, and continue to use effective communication techniques. Summer reading is required. **A teacher recommendation is needed.**

**English 10***Grade Level: 10**Course Length: Full year**Credit: 1.0**Prerequisite: Passing grade in English 9**Approximate Cost: \$4.00*

Instruction will be based on the Ohio benchmarks and indicators for grade ten. Students will read a variety of texts with an emphasis on World Literature, utilize the writing process, write for different purposes, research self-selected or assigned topics, and continue to use effective communication techniques. A study of World Literature from a variety of continents provides the basis for all reading and writing assignments.

**Honors English 10***Grade Level: 10**Course Length: Full year**Credit: 1.0**Prerequisite: Grade of at least a "C" in 9<sup>th</sup> grade Honors English or at least a "B" in English 9**Approximate Cost: \$4.00*

This is an accelerated and in-depth course with an emphasis on World Literature. Instruction will be based on the Ohio benchmarks and indicators for grade ten. Students will read a variety of texts, utilize the writing process, write for different purposes, research self-selected or assigned topics, and continue to use effective communication techniques. A study of World Literature from a variety of continents provides the basis for all reading and writing assignments. Summer reading is required. **A teacher recommendation is needed.**

**English 11***Grade Level: 11**Course Length: Full year**Credit: 1.0**Prerequisite: A passing grade in English 10**Approximate Cost: \$4.00*

Instruction will be based on the Ohio benchmarks and indicators for American Literature. Students will read a variety of texts, utilize the writing process, write for different purposes, research self-selected or assigned topics, and continue to use effective communication techniques. A study of American Literature from a variety of authors which provides the basis for all reading and writing assignments.

**Honors English 11***Grade Level: 11**Course Length: Full year**Credit: 1.0**Prerequisite: Grade of at least a "C" in 10<sup>th</sup> grade Honors English or at least a "B" in English 10**Approximate Cost: \$4.00*

This is an accelerated and in-depth course with an emphasis on American Literature. Students will read a variety of texts, utilize the writing process, write for different purposes, research self-selected or assigned topics, and continue to use effective communication techniques. A study of American Literature from a variety of authors provides the basis for all reading and writing assignments. Summer reading is required. **A teacher recommendation is needed.**

**English 12***Grade Level: 12**Course Length: Full year**Credit: 1.0**Prerequisite: A passing grade in English 11**Approximate Cost: \$4.00*

Instruction will be based on the Ohio benchmarks and indicators for grade twelve. Students will read a variety of texts with an emphasis on British Literature, utilize the writing process, write for different purposes, research self-selected or assigned topics, and continue to use effective communication techniques. A study of British Literature from a variety of authors provides the basis for all reading and writing assignments.

**Advanced Placement (AP) English 12***Grade Level: 12**Course Length: Full year**Credit: 1.0**Prerequisite: Grade of at least a "C" in 11<sup>th</sup> grade Honors English or a "B" in English 11**Approximate Cost: \$98.00 (includes \$3.00 class fee, \$95.00 AP exam)*

This advanced course follows the current AP English syllabus. Instruction will be centered on the reading and writing benchmarks of the English Language Arts Academic Content Standards. Summer reading is required. This course is designed to prepare students to take the Advanced Placement Exam. LMHS requires all students enrolled in an AP course to take the AP Exam. **A teacher recommendation is needed.**

**ENGLISH ELECTIVES****Broadcast Media and Film***Grade Level: 10-12**Course Length: Semester**Credit: 0.5**Prerequisite: None**Approximate Cost: \$40.00*

This course will be a study of contemporary mass media and will introduce the student to the world of radio, television and film. Students will learn about radio station operations and will have the opportunity to create their own radio programs. We will also study television programming and its impact on entertainment as well as broadcasting equipment and program creation. The final component of the course will be a study of films and film production techniques culminating in the production of a short film or music video.

**Creative Writing***Grade Level: 9-12**Course Length: Semester**Credit: 0.5**Prerequisite: None**Approximate Cost: \$2.00*

This course will provide instruction in writing. Students will develop their creative writing techniques. Journals will be kept and portfolios will be maintained throughout the class. The

course combines classroom instruction and ample “workshop” opportunities that encourage honest, sensitive criticism and mutual support.

### **Advanced Creative Writing**

*Grade Level: 10-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: A “C” or better in Creative Writing*

*Approximate Cost: \$2.00*

This course is an extension of Creative Writing. It is designed for students to further develop their creative writing techniques and use their imagination. Journals will be kept and portfolios will be maintained throughout the class. The course combines classroom instruction and ample “workshop” opportunities that encourage honest, sensitive criticism and mutual support. A teacher recommendation is needed.

### **Speech and Debate**

*Grade Level: 10-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$2.00*

To be successful in today’s world, sharp communication skills are of tremendous value and relevance. This course is designed to engage students in learning various techniques of public communication and developing the skills necessary for becoming more effective public speakers through the execution of different forms of debate and the delivery of multiple speeches.

## **HEALTH AND PHYSICAL EDUCATION DEPARTMENT**

### **Physical Education 1 and 2**

*Grade Level: 9-10*

*Course Length: Full year*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$10.00*

This course is designed to focus on health & fitness. It will acquaint students with personal physical fitness including cardiovascular endurance, muscular strength/endurance, and flexibility. Students will have fitness journals, projects, and tests while being assessed by State Standards. The second half of the course will acquaint students with individual & team sports and recreational games. Students will learn rules and safety for each activity as well as be assessed by State Standards. Activities that may be included: soccer, flag football, volleyball, basketball, track & field, tennis, archery, pickle Ball, badminton, or frisbee. There will be skill and written tests given on each activity.

### **Health Education**

*Grade Level: 10*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$2.00*

This class focuses on current health issues with emphasis placed on health behaviors, risks, and decision making. Topics include mental, social, and physical health, sexuality, safety and first-aid, and drug, alcohol and tobacco use/abuse. This is a required course, which is taken during the sophomore year.

### **Fitness and Conditioning**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.25*

*Prerequisite: A "B" or better in Physical Education*

*Approximate Cost: \$5.00*

This class explores the fundamentals of fitness and conditioning and applies principles of training into an aerobic conditioning and weight training routine. Activities include weight training, aerobics and a variety of other fitness activities.

### **Kinesiology and Fitness**

*Grade Level: 9-12*

*Course Length: Semester*

*Credit: 0.25*

*Prerequisite: None*

*Approximate Cost: \$10.00*

This class explores topics within human body movement and performance. Focusing on movement dynamics this course will include 1-2 classroom days each week with the remainder of the week implementing classroom knowledge in the weight room. Topics of exploration include: basic movement patterns, body kinematics, flexibility, nutrition, and performance psychology. This class assists students in preparation for any variety of physical performance, baseline knowledge for anatomy, and for careers in the performance industry.

### **Yoga and Mindfulness**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.25*

*Prerequisite: A "B" or better in Physical Education*

*Approximate Cost: \$5.00*

Students are able to learn practical life skills through the use of introspective yoga and mindfulness themes. Students will discover what it means to establish balance on and off the mat, create strength, build endurance, to cultivate empathy and compassion towards themselves and others. They will come to understand firsthand the relationship between stress and attention as their ability to focus improves and their stress levels decline. Class begins with an interactive discussion of the day's theme followed by breathing and mindfulness techniques, asana instruction, guided rest, and literature or journaling.

**Physical Education Option***Grade Level: 9-12**Course Length: Full year**Credit: 0.5**Prerequisite: None**Approximate Cost: None*

This Physical Education Option means that the student intends to seek approval for 1/2 unit of physical education via participation in an OHSAA interscholastic sport where the head coach is employed by the Little Miami Local School District. Club Sports do not fall under this guideline. Students must complete two full seasons of a sport to receive credit for the P. E. Option. Students in Marching band must complete two full years in order to receive their ½ credit. **The grade will be issued as a pass (P) or fail (F) and will not be calculated into the cumulative GPA. Students cannot complete 1 PE class and 1 activity for credit.**

**Summer School Physical Education***Grade Level: 9-12**Course Length: 12 days in the summer 8:00 AM to 1:00 PM**Credit: 0.25**Prerequisite: None**Approximate Cost: \$105.00 per session*

There are two sessions that are each 12 days running from 8:00AM -1:00PM a session starting in May and another session starting in June. There is an attendance requirement to pass. Students can enroll in both sessions to meet the physical education graduation requirement that meet all state standards.

Session dates for the summer of 2021:

Session 1 06/01-06/16 (virtual)

Session 2 06/17-07/02 (virtual)

**MATH DEPARTMENT****Algebra 1***Grade Level: 9-10**Course Length: Full year**Credit: 1.0**Prerequisite: None**Approximate Cost: \$4.00*

This is the first year of required Algebra I. This course is an in-depth study of algebraic concepts and processes to represent and solve problems that involve variable quantities. Other topics include solving systems of equations, polynomials, factoring, solving and graphing quadratic and exponential equations, and elementary statistics. Any handheld calculator will suffice.

**Honors Algebra 1***Grade Level: 9-10**Course Length: Full year**Credit: 1.0**Prerequisite: None, "A" in 8<sup>th</sup> grade math**Approximate Cost: \$4.00*

This is the first year of required Algebra I that will move at a faster pace. This course is an in-depth study of algebraic concepts and processes to represent and solve problems that involve variable quantities. Other topics include solving systems of equations, polynomials, factoring, solving and graphing quadratic and exponential equations, and elementary statistics. Any handheld calculator will suffice. **A teacher recommendation is needed.**

### **Algebra 1C**

*Grade Level: 9*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$2.00*

This is the third semester of Algebra 1 for students who need a deeper foundation of algebra skills in order to advance to Geometry. (It can be taken concurrently with Algebra I or geometry.) This course is an in depth study of algebraic concepts and processes to represent and solve problems that involve variable equations. Other topics include polynomials, factoring, solving and graphing quadratic equations, radical expressions, and elementary statistics. Any handheld calculator will suffice.

### **Geometry**

*Grade Level: 9-10*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of Algebra 1*

*Approximate Cost: \$4.00*

This course is a study of two and three dimensional geometry including definitions, postulates, theorems, measurement using a ruler, compass, and protractor plus finding measurements using computer software. The coordinate plane will be emphasized with distance, midpoint and slope between two points plus linear equations involving parallel and perpendicular lines. Special properties along with areas, perimeters/circumferences of triangles, quadrilaterals, polygons, and circles will be a focus along with an introduction to congruent and similar figures. Trigonometry of right triangles will be taught along with applications of these concepts. Any handheld calculator will suffice.

### **Honors Geometry**

*Grade Level: 9-10*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of Algebra 1 with a B or better.*

*Approximate Cost: \$4.00*

This course covers the geometry curriculum at a faster pace and more in-depth than Geometry. This course will encompass definitions, postulates, theorems, measurements using a ruler, compass, and protractor plus finding measurements using computer software. The coordinate plane will be emphasized with distance, midpoint and slope between two points plus linear equations involving parallel and perpendicular lines. Special properties along with areas, perimeters/circumferences of triangles, quadrilaterals, polygons, and circles will be a focus along with an introduction to congruent and similar figures.

Trigonometry of right triangles will be taught along with applications of these concepts. Any handheld calculator will suffice. **A teacher recommendation is needed.**

### **Algebra 2**

*Grade Level: 10-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of geometry*

*Approximate Cost: \$4.00*

This course involves a brief review of introductory algebra, graphing, writing linear equations, solving systems of equations, and it is a further study of algebraic concepts and processes such as quadratics, complex numbers, logarithmic functions, radicals, and rational expressions. Suggested calculator: A Texas Instrument Graphing calculator (TI 83, TI 83 plus, TI 84, TI 84 plus).

### **Honors Algebra 2**

*Grade Level: 9-11*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of geometry with a B or better.*

*Approximate Cost: \$4.00*

This course is designed for a more in-depth and faster paced study of the material in Algebra II. Students should possess strong study skill abilities and a strong Algebra I foundation which will enable them to grasp Algebra II concepts. as quadratics, complex numbers, logarithmic functions, radicals, and rational expressions. **Required: A Texas Instrument Graphing calculator (TI 83, TI 83 plus, TI 84, TI 84 plus). A teacher recommendation is needed.**

### **Introduction to College Algebra**

*Grade Level: 11-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of Algebra 2*

*Approximate Cost: \$4.00*

This course will emphasize a review of math skills along with preparation for the ACT and SAT tests. This course will focus on an Algebra/Geometry review including functions, systems, matrices, polynomials, triangles, and polygons. Introduction to Pre-Calculus topics include exponents, logarithms, unit circle, and trigonometry. **Requirement: A Texas Instrument Graphing calculator (TI 83, TI 83 plus, TI 84, TI 84 plus).**

### **Pre-Calculus I and II**

*Grade Level: 10-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of Algebra 2*

*Approximate Cost: \$4.00*

This course will prepare the college bound student to enter a calculus course. This course will explore all areas of trigonometry and circular functions. It will include: basic identities

involving sine, cosine, tangent, secant, cosecant, and cotangent functions, proving identities, restrictions on identities, trigonometric forms of complex numbers, sine law, cosine law, and graphing identities. This course is also study of advanced topics including: functions, step functions, logarithms, exponential equations, polar, parametric, vectors, and conics. A student taking this course should have a strong mathematical foundation and must be comfortable working with various types of fractions. **Requirement: A Texas Instrument Graphing calculator (TI 83, TI 83 plus, TI 84, TI 84 plus).**

### **Honors Pre-Calculus I and II**

*Grade Level: 10-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of Algebra 2 with a B or better.*

*Approximate Cost: \$4.00*

This course will proceed at an accelerated rate with more in-depth investigations of the topics in Pre-calculus and Trigonometry. This course will prepare the college bound student to enter a calculus course. This course will explore all areas of trigonometry and circular functions. It will include: basic identities involving sine, cosine, tangent, secant, cosecant, and cotangent functions, proving identities, restrictions on identities, trigonometric forms of complex numbers, sine law, cosine law, and graphing identities. This course is also study of advanced topics including: functions, step functions, logarithms, exponential equations, polar, parametric, vectors, and conics. A student taking this course should have a strong mathematical foundation and must be comfortable working with various types of fractions. **Requirement: A Texas Instrument Graphing calculator (TI 83, TI 83 plus, TI 84, TI 84 plus). A teacher recommendation is needed.**

### **Calculus**

*Grade Level: 11-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of Pre-Calculus/Trigonometry*

*Approximate Cost: \$4.00*

This is a two semester course that will cover a review of algebra topics, derivations of algebraic functions and applications in finding maximums, minimums and related rates, and techniques of integration. **Requirement: A Texas Instrument Graphing calculator (TI 83, TI 83 plus, TI 84, TI 84 plus).**

### **Advanced Placement (AP) Calculus**

*Grade Level: 11-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of Pre-Calculus/Trigonometry with a B or better.*

*Approximate Cost: \$99.00 (includes class fee \$4.00 and AP exam \$95.00)*

This is a two semester course designed for the college bound student to acquire college credit for Calculus I. This course is designed to prepare students to take the AP Calculus Exam. Students will be working at a college level throughout the year. Topics to be covered in this course will be limits, derivatives, and applications to maximums, minimums, related rates, graphing, and techniques of integration. **Requirement: A Texas Instrument**

**Graphing calculator (TI 83, TI 83 plus, TI 84, TI 84 plus). LMHS requires all students enrolled in the AP course to take the AP Exam. A teacher recommendation is needed.**

**Advanced Placement (AP) Statistics**

*Grade Level: 11-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of Algebra II with a B or better.*

*Approximate Cost: \$129.00 (includes class fee \$4.00, \$30.00 workbook, AP exam \$95.00)*

This is a two semester course designed for the college bound student to acquire college credit for Statistics. This course is designed to prepare students to take the AP Statistics Exam. Students will be working at a college level throughout the year. Topics to be covered in this course will be exploratory analysis of data including interpreting graphical data and summarizing distributions of univariate and bivariate data, sampling and experimentation including planning and conducting a study. **Requirement: A Texas Instrument Graphing calculator (TI 83, TI 83 plus, TI 84, TI 84 plus). LMHS requires all students enrolled in the AP course to take the AP Exam. A teacher recommendation is needed.**

**MATH ELECTIVES**

**College Bound**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$2.00*

Is college in your future? Do you want to be prepared to do better on the ACT or SAT in math? Do you want to learn about life on campus in general? Do you want to be successful in college? All of these questions and more will be addressed. This course provides students with ACT/SAT math prep through Naviance. Students will determine the right college, and students will be guided through the application, scholarship, and grant process. This class does not satisfy a core math credit.

**Introduction to Probability and Statistics**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Successful completion of Algebra 2*

*Approximate Cost: \$2.00*

This course will provide an introduction to probability and statistics. It will include the following topics: analyzing data, box plots, stem plots, regression curves, translation of data, binomial distribution, normal curves, finding probabilities using the standard normal distribution and other distributions. **Requirement: A Texas Instrument Graphing calculator (TI 83, TI 83 plus, TI 84, TI 84 plus).**

## **Advanced Placement (AP) Computer Science Principles**

*Grade Level: 10-12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: Successful completion of Algebra I with a B or better.*

*Approximate Cost: \$99 (includes class fee \$4.00 and AP exam \$95.00)*

This is a two-semester course for college bound students to acquire college credit for Computer Science Principles. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving.

Requirement: **LMHS requires all students enrolled in the AP course to take the AP exam. This exam requires two through class performance tasks as well as a 2 hour MC exam in May. A teacher recommendation is needed.**

## **MUSIC DEPARTMENT**

### **Concert Band**

*Grade Level: 9-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Participated in Band grades 6 to 8*

*Approximate Cost: \$20.00*

This Ensemble is open to students who are proficient on their instruments and have a good understanding of music. Aspects of musicianship and proper ensemble playing are emphasized, including tone, balance and blend, along with knowledge of standard band/wind literature. Performances and concerts are scheduled throughout the year, which provides students an opportunity to demonstrate skills learned, and to develop in the areas of self-confidence, poise, and social growth. All incoming freshmen will be placed in Concert Band. Students must take this course for a full year.

### **Symphonic Band**

*Grade Level: 9-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Participated in band grades 6 to 8, Concert Band, and Director Approval*

*Approximate Cost: \$20.00*

This Ensemble is open to students who are proficient on their instruments and have a strong understanding of music. An audition is required to participate in this ensemble and must be approved by the director. Aspects of musicianship and proper ensemble playing are required, including tone, balance and blend, along with a knowledge of standard band/wind literature. Performances and concerts are scheduled throughout the year, including competing in OMEA Large Group Adjudicated Events, which provides students an opportunity to demonstrate skills learned, and to develop in the areas of self-confidence, poise, and social growth. Students will be placed in the ensemble based upon individual auditions conducted prior to enrolling. **Students must take this course for a full year. A teacher recommendation is needed.**

### **Tenor- Bass Chorus 1 and 2**

*Grade Level: 9-12*

*Course Length: Semester each*

*Credit: 0.5 each*

*Prerequisite: None*

*Approximate Cost: \$15.00 per semester*

A performing vocal group designed for young voices to develop skills such as pitch matching, part singing, musical expression, diction and balance relating to music designed specifically for men. Evening performances will provide students with opportunities to demonstrate vocal performance skills including self-confidence and poise. Participation in evening concerts is required for successful completion of this course. Students will also study Mixed Choir Literature to perform with other choirs in the program

### **Treble Choir 1 and 2**

*Grade Level: 9-12*

*Course Length: Semester each*

*Credit: 0.5 each*

*Prerequisite: None*

*Approximate Cost: \$15.00 per semester*

A performing vocal ensemble designed for young voices to develop choral skills such as pitch matching, part singing, musical expression, diction, and balance relating to music designed specifically for women's voices. Evening performances will provide students opportunities to demonstrate vocal performance skills including self-confidence and poise. Participation in evening concerts is required for successful completion of this course. Students will also study mixed choir literature to perform with other choirs in the program.

### **Little Miami Chorale 1 and 2**

*Grade Level: 10-12*

*Course Length: Semester each*

*Credit: 0.5 each*

*Prerequisite: Audition and previous membership in Women's Choir, Code of Conduct must be signed by student and parent*

*Approximate Cost: \$20.00 each semester (plus attire/travel costs – vary per year)*

Select Women's Chorale is an auditioned group of women who have been members of the LMHS Women's Choir. The ensemble requires a full-year commitment. This is a premiere ensemble for students who demonstrate a significant level of achievement, proficient sight-reading and independent performance skills. Literature of a high degree of difficulty specifically composed for women's voices is studied and performed. This is a competing ensemble that participates in OMEA District XIII Large Group Adjudicated Events, invitational festivals and competitions, and special commemorative events. The select women's chorale maintains an extensive obligation beyond the school schedule with extra rehearsals and performances with travel opportunities. **A teacher recommendation is needed.**

## **Select Mixed Choir 1 and 2**

*Grade Level: 10-12*

*Course Length: Semester each*

*Credit: 0.5 each*

*Prerequisite: Audition with Choral Director, previous membership in Men's/Women's Choir, Code of Conduct must be signed by student and parent*

*Approximate Cost: \$20.00 per semester (plus attire/travel costs – vary per year)*

The Select Mixed Choir is an auditioned ensemble of men and women, requiring a full-year commitment. Students must demonstrate a high level of achievement, proficient sight-reading and independent performance skills to be placed in this group. Literature of a high degree of difficulty is studied and performed. This is a competing ensemble that will participate in District 13 Large Group Adjudicated Events. The select mixed choir has a demanding performance schedule that will include rehearsals and performances outside the school schedule, as well as travel opportunities with the Select Women's Chorale. **A teacher recommendation is needed.**

## **Beginning Guitar**

*Grade Level: 9-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$20.00*

This is a basic course designed to teach the fundamentals of guitar performance while also giving a basic study in beginning music theory. The goal is to provide a solid musical education with emphasis on guitar technique and performance.

## **Careers in Music**

*Grade Level: 9-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$5.00*

How do you make a career out of music? This semester class will explore different career paths in the world of music. Would you like to be a Song Writer, Musician, Performer, Booking Manager, Music Editor, Audio Engineer, Merchandiser, Music Producer, Music Therapist, Concert Manager, Artist Liaison? And the list continues... Then this is the place to be! Find out how to live in the world of music.

## **Rock and Roll Hall of Fame**

*Grade Level: 9-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$5.00*

This class is open to students who would like to explore Rock and Roll. From its earliest beginnings to the present day, this course surveys the inception, evolution, and development of Rock music in America and abroad.

## SCIENCE DEPARTMENT

### **Physical Science**

*Grade Level: 9*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$25.00*

This course integrates chemistry, biology, and physics to provide students with a solid foundation of the science curriculum. A heavy emphasis will be placed on laboratory work which requires the use of a wide variety of techniques and equipment new to high school students. An emphasis will be placed on the chemical relationships between the physical world and living organisms as well as emerging technology, discoveries, and the modern scientists making these discoveries. This course provides an excellent foundation for biology, chemistry and other elective courses in grades 10-12.

### **Biology**

*Grade Level: 10*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$35.00*

This Biology course must be taken to meet the state biology requirement. Areas of study include molecular biology, genetics and evolution. Scientific advances and emerging technologies will also be covered. Other areas of study include ecology, biochemistry, cell structure, function and diversity. Heavy emphasis will be placed on laboratory work which requires the use of microscopes and slide preparation.

### **Honors Biology**

*Grade Level: 9-10*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: An "A" in 8<sup>th</sup> grade science and passage of an assessment with teacher recommendation or four quarters above 98% in Integrated Science and a teacher recommendation.*

*Approximate Cost: \$35.00*

Honors biology is intended for students who will pursue several AP science courses as upperclassmen. Areas of study include molecular biology, genetics, evolution, scientific advances, emerging technologies, ecology, biochemistry, cell structure, function and diversity. A heavy emphasis will be placed on lab activities and independent research including an extensive research paper during second semester. Students are required to maintain an organized science notebook/lab portfolio. Compared to non-honors biology, this course covers content in more depth and at a faster pace. **A teacher recommendation is needed.**

## **Honors Biodiversity**

*Grade Level: 10-11*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Must have passed Honors Biology*

*Approximate Cost: \$35.00*

This course is an advanced biology elective and does not fulfill sophomore biology requirements. It is intended for students who desire a more hands-on approach to investigating living organisms and their relationships to each other. Heavy emphasis will be placed on laboratory work which requires the use of microscopes, slide preparation, and dissection of preserved specimens. This course is recommended for college bound students. Taking this course gives the students a full lab credit for college admission purposes. This class is strongly recommended for students interested in Advanced Placement Biology. **A teacher recommendation is needed.**

## **Advanced Placement (AP) Biology**

*Grade Level: 11-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Successful completion of Biology 1, 2, and Chemistry are required. Honors Biodiversity is highly recommended. It is also helpful to have taken Honors Anatomy or Human Physiology. Strong reading skills are also recommended.*

*Approximate Cost: \$168.00 (includes class fee \$73.00 and AP exam \$95.00)*

This course is a college level biology course which will prepare students to take the Advanced Placement Exam in biology. AP Biology is taught according to the requirements established by the College Board. Students should be prepared to spend time outside of class studying and preparing lab reports. The required labs allow students to gain technical skills used in upper level college biology courses. The major themes of AP Biology are: The impact of evolution upon the diversity of living things, the way in which organisms use energy, genetics, and the study of biological systems and their interactions. Students who successfully complete the class and earn a 3, 4, or 5 on the College Board Exam may receive up to one full year of credit for college biology. This gives students an opportunity to begin college with credit towards university requirements or to get a head start on a science major. Little Miami requires all students enrolled in an AP course to take the AP exam. **A teacher recommendation is needed.**

## **Chemistry**

*Grade Level: 10-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A passing grade in Biology and a "B" or higher in Geometry*

*Approximate Cost: \$25.00*

This course, which is primarily intended for the college-bound student, is designed to continue studying the fundamental concepts of chemistry started in Integrated Science during the freshman year. This course will involve more detail and depth of these concepts, in addition to studying more topics in the field of chemistry. The topics included in this course are: the mole concept, compound names and formulae, writing and balancing reactions and stoichiometry, gas laws, the chemistry of gases, solution chemistry (which includes concentration), reactions involving acids, bases and salts, quantum theory and a qualitative analysis lab project. In this lab project, students will use an array of laboratory

techniques and investigate the specific chemistry of some common ions. **A teacher recommendation is needed.**

### **Honors Chemistry**

*Grade Level: 10-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: Passing grade in Biology and a "B" or higher in Geometry or an A in Algebra I.*

*Approximate Cost: \$25.00*

This course is designed for a more in depth and fast paced study of materials than Chemistry, and it involves higher mathematical calculations. This course, which is primarily intended for the college-bound student, is designed to continue studying the fundamental concepts of chemistry started in Integrated Science during the freshman year. This course will involve more detail and depth of these concepts, in addition to studying more topics in the field of chemistry. The topics included in this course are: the mole concept, compound names and formulae, writing and balancing reactions and stoichiometry, gas laws, the chemistry of gases, solution chemistry (which includes concentration), reactions involving acids, bases and salts, quantum theory and a qualitative analysis lab project. In this lab project, students will use an array of laboratory techniques and investigate the specific chemistry of some common ions. **A teacher recommendation is needed**

### **Advanced Placement (AP) Chemistry**

*Grade Level: 11-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A "C" or higher in Chemistry*

*Approximate Cost: \$195.00 (includes class fee \$100.00, AP exam \$95.00)*

AP Chemistry is equivalent to a college level general chemistry course that provides rigorous study in four major areas: structure of matter, states of matter, reaction and descriptive chemistry. Students must be highly motivated to tackle this rigorous course. At the end of the year, students are required to take the Advanced Placement Examination for college credit. Students taking this course may be required to complete laboratory work outside of the regular class time. The student will demonstrate a basic understanding of, and the ability to apply, mathematical solutions to problems involving atomic theory and structures, chemical bonding, nuclear chemistry, kinetic theory, solutions, reaction types, stoichiometry, equilibrium, kinetic, thermodynamics, and descriptive chemistry. Evaluation is based on homework, lab reports and tests. Much of the class is "out of class homework" and in class "lab" based work. The out of class time requirement is 6-10 hours per week. In keeping with the objectives of the College Board, students enrolled in AP Chemistry courses will cover content equivalent to what is presented in two semesters of college general chemistry. Upon successful completion of this chemistry course and achievement of a satisfactory score on the AP Chemistry Examination, students may have the opportunity to receive general chemistry credits or place out of general chemistry classes and move into more advanced science courses during their first years in college. **A teacher recommendation is needed**

## **Honors Anatomy & Physiology**

*Grade Level: 11-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A "B" or higher in Biology, or a "C" or higher in Chemistry. NOTE: This is a stand-alone course. Intro to Anatomy & Physiology (semester elective) is NOT required to take this class.*

*Approximate Cost: \$25.00*

This year long course studies the structure and function of the human body systems. This is an advanced, rigorous course that is instructed on the college level and requires college level academic dedication from the student, including several hours of study time outside of class each week. Students need a strong background in biology and chemistry, and students can expect to learn at least 750 vocabulary words throughout the course. The course begins with the study of tissues, then covers the skeletal, muscular, and nervous systems. The second half of the course will continue to explore the other systems of the human body including cardiovascular, digestive, and urinary. The course includes mostly lecture, supplemented by lab activities that include advanced dissection of cats, fetal pigs, and other mammalian organs. This course is recommended for students who have a genuine interest in a career in medicine, nursing, veterinary medicine or a medically related field. This class is strongly recommended for students interested in taking AP Biology. **A teacher recommendation is needed**

## **Introduction to Anatomy & Physiology**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Must have a full credit in Biology*

*Approximate Cost: \$20.00*

This one semester course will focus on human anatomy, behavior, and the function of the human body. Students will learn about the various body systems, the names of bones and major muscles, how the heart functions, parts of the brain, and many other topics. Students will engage in lab exercises, lectures, computer web quests, and a variety of hands-on activities. This class will also feature several dissections including mammalian brains, hearts, eyes, and other organs. This class is designed for the student who is interested in the human body and body systems at an introductory level. This is a stand-alone course and is NOT required as a prerequisite course to Honors Anatomy and Physiology.

NOTE: Because this course is an introduction to the content in Honors Anatomy and Physiology, students may not take this class after Honors Anatomy has been completed.

## **Environmental Science**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Must have a full credit in Biology*

*Approximate Cost: \$25.00*

Environmental science incorporates biology, chemistry, and geology and introduces students to key concepts and issues within environmental science. Investigations are used to understand and explain the behavior of nature in a variety of scenarios that incorporate

scientific reasoning, analysis, and real-world applications of the issues we are facing with our environment. Topics studied may include: human population, water quality and availability, climate change, sustainability, species depletion and extinction, air quality, food production and availability, deforestation/loss of biodiversity, habitat loss, and waste management.

### **Forensic Science**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$35.00*

This course focuses on the skills and concepts behind crime scene investigation and forensic science. Whether you desire to be a crime scene investigator, forensic pathologist, or some other medical scientist, this course will help you hone your investigative skills and review a wide range of science concepts. You will review physics, chemistry, anatomy, cell biology, environmental science and computer science in the process of learning about forensic science. You will engage in lectures, labs, case studies, and on-line activities. This course should help you see how science is used to answer questions rather than just learning science concepts.

### **Marine Biology**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Completion of Biology or Honors Biology*

*Approximate Cost: \$35.00*

Marine Biology is devoted to the study of ocean life. This course provides the opportunity for students to develop scientific process skills, laboratory techniques, and an understanding of the fundamental principles of living organisms. Students will explore the diversity of marine organisms and their ecological roles, an introduction to the structure and function of aquatic organisms, evolution and classification, the physical properties of the ocean, and the importance of resource conservation in our oceans.

### **Honors Physics**

*Grade Level: 11-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A "C" or better in Algebra II, current enrollment in Pre-Calculus or higher math course is required*

*Approximate Cost: \$15.00*

This non-Calculus course is designed to give students a strong base in the fundamentals of physics, and prepare them for the first level science courses in college. Emphasis will be on laboratory work and problem solving. A strong math background is recommended. Topics covered include: vectors, motion, forces and mechanics, and the forces within matter, heat energy, thermodynamics, wave phenomena, and sound. **A teacher recommendation is needed**

## **SOCIAL STUDIES DEPARTMENT**

### **World History**

*Grade Level: 9*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$4.00*

World History will be a study of world history from the Enlightenment to the imperialist movement. The second half of the year will be a study of world history from the start of World War I to the present day.

### **Honors World History**

*Grade Level: 9*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A "B" or higher in 8<sup>th</sup> grade American History and English, recommendation of 8<sup>th</sup> grade social studies teacher*

*Approximate Cost: \$4.00*

Honors World History will be a study of world history from the Enlightenment to the imperialist movement. The Honors course will be taught at an accelerated pace and will go into more detail on each topic covered. The second half of the year will be a study of world history from the start of World War I to the present day. **A teacher recommendation is needed**

### **Advanced Placement (AP) European History**

*Grade Level: 10-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$124.00 (includes class fee \$4.00, AP exam \$95.00, AP workbook \$25.00)*

AP European History (APEH) is a two semester course that traces the development of Western Society from its origins in ancient Greece to the present day. This course culminates in a required Advance Placement test in May. Success on this test can result in the earning of college credit that can be used at most universities nationwide. The depth and breadth of this course requires that it can be taught at an accelerated pace. APEH focuses on the Intellectual/Cultural, Political/Diplomatic, and Social/Economic historical development of Europe from the Renaissance to Globalization. Extensive reading, analytical writing, and independent study are expected. Students should enter class with a foundation in the following skills; effective note taking, reading comprehension, self-discipline, critical thinking, and primary source analysis. This foundation will be strengthened and expanded upon over the course APEH. An open mind and willingness to be challenged are required. LMHS requires all students enrolled in an AP course to take the AP Exam. **A teacher recommendation is needed**

## **American History**

*Grade Level: 10*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$4.00*

The first half of the year will be a study of U.S. history from the late 1800's through the New Deal era. The second half of the year will be a study of U.S. history from World War II to the modern era post 9/11. Students will focus on analysis of key foundational documents in American history, such as the Declaration of Independence, Articles of Confederation, U.S. Constitution, and the Bill of Rights.

## **Honors American History**

*Grade Level: 10*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A "B" or higher in World History and English*

*Approximate Cost: \$4.00*

Honors American History will be a study of U.S. history from the late 1800's through mid-20<sup>th</sup> century. The Honors course will be taught at an accelerated pace and will go into more detail on each topic covered. The second half of the year will be a study of U.S. history from World War II to post 9/11. **A teacher recommendation is needed**

## **Advanced Placement (AP) U.S. History**

*Grade Level: 10-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A "B" or higher in World History*

*Approximate Cost: \$99.00 (includes class fee \$4.00, AP exam \$95.00)*

The American History Advanced Placement course will be the study of America's past and will follow the current advanced placement syllabus. This course will cover American History from pre-Columbian times to the present. It will require reading, discussion and analysis. A considerable amount of outside reading and research will be expected in order to study and learn the issues encountered. The course will concentrate on evaluation of information, comparison and analysis of primary and secondary sources of historical material and cause-and-effect relationships throughout the course of American History. Grades will be determined by several exams, research papers analysis of outside readings and class participation. This course is designed to prepare students to take the Advanced Placement Exam. All students enrolled in an AP course are required to take the AP Exam. Above average reading and writing skills are a necessity for this course. **A teacher recommendation is needed**

**American Government***Grade Level: 11**Course Length: Semester**Credit: 0.5**Prerequisite: None**Approximate Cost: \$4.00*

American Government is the study of institutions and processes through which decisions are made for society. This semester course will focus on the three branches of government and issues and events which make the three branches relative to today. The course will also focus on the study of political parties, elections and voting, and the importance of mass media, public and foreign policy.

**Advanced Placement (AP) U.S. Government and Politics***Grade Level: 11**Course Length: Full year**Credit: 1.0**Prerequisite: None**Approximate Cost: \$99.00 (includes class fee \$4.00, AP exam \$95.00)*

American Government is the study of institutions and processes through which decisions are made for society. This course follows the current Advanced Placement syllabus. In this course the study of modern politics and its history in the United States will be examined through an analytical study of the Constitution and the three branches of government. In this course students will deal with concepts such as the foundations of government, federalism, civil rights and liberties, impact of the mass media, interests groups, and elections. Extensive independent reading and writing is required. Above average reading and writing skills are required for this course. **A teacher recommendation is needed**

**Principles of Economics***Grade Level: 12**Course Length: Semester**Credit: 0.5**Prerequisite: None**Approximate Cost: \$4.00*

This course will cover the basic economic concepts including how society uses scarce resources to satisfy the desires of its citizens for goods and services. Other concepts covered will include opportunity costs, supply and demand, price determination and other micro and macroeconomic concepts. A portion of the course will also be dedicated to Personal Finance.

**SOCIAL STUDIES ELECTIVES****Ancient World Civilizations***Grade Level: 9-11**Course Length: Semester**Credit: 0.5**Prerequisite: None**Approximate Cost: \$2.00*

This course is a study of the world's past and will provide a survey of history from the beginning of civilization through and including the Greek and Roman civilization to help the student better understand his/her own times. The growth of Europe is traced through the Crusades, with the

growth of nations in the Middle Ages; Eastern civilizations will also be studied, with an emphasis on the development of the major religions of our modern world. This course is an integrated study using various social studies disciplines.

### **Current Issues 1 and 2**

*Grade Level: 11-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$2.00*

Current Issues is a semester course designed for juniors and seniors to study the major events that are affecting the world today. Topics include the Middle East and terrorism, as well as issues facing the United States. The majority of the work is completed in class with an emphasis on class discussion.

### **People of the World**

*Grade Level: 9-11*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$2.00*

The People of the World will provide an intellectual framework from which regions, ideas, and events can be critically analyzed and understood. We will be examining the various cultures of the world in order to gain an understanding of how each developed historically, socially, politically, economically, and in relation to their environment. Through our studies you will be exposed to new ideas and new people, and will gain an appreciation of the various peoples and regions of our world. An open mind is required.

### **Introduction to Psychology**

*Grade Level: 10-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$2.00*

This course will provide a broad introduction to the field of psychology. It is intended to acquaint the student with major concepts and terminology common in the field of psychology. Among topics that are covered: history of psychology, understanding the brain, consciousness, learning (conditioning), memory, and intelligence.

### **Applied Psychology**

*Grade Level: 10-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Grade of "C" or better in Introduction to Psychology*

*Approximate Cost: \$2.00*

This course offers a detailed look into how the brain functions, how personality disturbances originate, how treatment is provided, and how today's psychologist's /psychiatrist's apply treatments to solve problems. Using technology and a project based learning environment, students will

discover different areas of psychology.

### **Sociology**

*Grade Level: 10-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$2.00*

Sociology is the study of social relationships, institutions, and group behavior in societies. This class is a study of a person's behavior in group situations and his/her interaction during the physical and mental growth periods. It explains patterns of social life and examines social control to help us better understand behavior and motivation and to develop individual thought and discipline.

## **WARREN COUNTY CAREER CENTER SATELLITE PROGRAMS**

### **BUSINESS**

#### **Accounting**

*Grade Level: 11-12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: An interest in business*

*Approximate Cost: \$30.00*

Accounting is the language of business. For anyone interested in studying business in college whether it is management, marketing, economics, finance, entrepreneurship, an accounting class will be mandatory. Use this course as a good stepping stone for a successful transition to college in learning the fundamentals of accounting. Topics include: the planning, recording, analyzing and interpreting of financial information for service and merchandising companies, purchases, sales, payroll, taxes, ethics and simulations. Students will be members of the Business Professionals of America student organization where they will be able to participate in business conferences and competitions.



#### **Business Computer Applications**

*Grade Level: 9-10*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: Keyboarding Skills*

*Approximate Cost: \$4.00*

Using Microsoft Office 2019, students will learn, refresh or improve their computer skills in Word and Excel. Use this software to create a variety of documents used in the business environment. In addition, many career paths in college as well as many employment opportunities require the skill of using Word and Excel. This is a recommended class to take if the student is interested in taking any business classes during their junior and senior years. Students have the opportunity to earn MOS certification in this class.

## **International Business**

*Grade Level: 11-12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: Keyboarding Skills*

*Approximate Cost: \$30.00*

The International Business course is designed to give students the understanding of global business needs and an introduction to a possible International Business career path in college. The global business industry is growing fast and is looking for international business talent. Topics include: cultural, social, ethical, governmental and legal influences as well as importing/exporting, currency, risk management and marketing. The International Business course will look deeper into the needs and wants of international and domestic companies to give students the understanding and knowledge they need to be successful in future business endeavors. Students will be members of the Business Professionals of America student organization where they will be able to participate in business conferences and competitions.



## **Introduction to Business**

*Grade Level: 9-12*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$4.00*

Introduction to Business will familiarize students with the functional areas within the world of business. Students will learn about the business environment, principles and motives of business people and institutions, business vocabulary, marketing tools and managerial skills. A critical thinking process will be used to better understand topics such as entrepreneurship, forms of business ownership, accounting, production, marketing, finance, management, business ethics, computers, international business, human relations, law, and diversity issues. This and the Business Computer Applications course will help students prepare for the upper level business courses offered in the Little Miami Business Academy.

## **Strategic Entrepreneurship**

*Grade Level: 11-12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$30.00*

Students will use innovation skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. They will use technology to select target markets, profile target customers, define the venture's mission, and create business plans. Students will take initial steps to establish a business. Students will calculate and forecast costs, break-even, and sales. Establishing brand, setting prices, promoting products, and managing customer relationships will be emphasized. Skills learned will be used in a real-life retail store operated by the students.

## **DIGITAL MEDIA ARTS**

### **Introduction to Digital Media Arts**

*Grade Level: 9-10*

*Course Length: Semester*

*Credit: 0.5*

*Prerequisite: None*

*Approximate Cost: \$5.00*

This semester long elective includes an introduction to Graphic Design, Video Editing, and Animation in a creative environment. Intro to DMA will challenge you to explore your own creativity and give you a chance to develop skills in Adobe Photoshop, Adobe Premiere, and Adobe Animate as you create your own works in the programs. This course gives a great introduction to Digital Media for students who are interested in the Digital Media Arts academy their junior year.

### **Digital Media Arts 1 and 2**

*Grade Level: 11-12*

*Course Length: 2 year program, 2 period blocked schedule*

*Credit: 2.0 per year*

*Prerequisite: None*

*Approximate Cost: \$60.00*

Digital Media Arts Academy is a two-year Career/Technical Program. Students interested in pursuing careers in art, graphic design, interactive media design, animation, illustration, photography, filmmaking, or video editing are strongly encouraged to participate. This program combines academic rigor with technical training. Students benefit by building a career portfolio and achieving industry software certification.

Students enrolling in the Digital Media Arts will study graphic design, digital photography, animation and video/audio production in a Computer laboratory environment. This challenging and fast paced course is open to all juniors and does not require previous digital media experience. Students will build their art and computer skills and become proficient in the Adobe CS6 products Photoshop, Flash, Premiere and After Effects. This course will provide hands on training with digital camera, scanners, digital video cameras and other forms of electronic media. Additional topics covered are employability, customer relations, teamwork, and project management. This course meets for two consecutive bells for the entire year.

### **AP Studio Art: 2-D Design**

*Grade Level: 12*

*Course Length: 1-Year Program, 2-Period blocked schedule*

*Credit: 2.0*

*Perquisite: Digital Media Arts 1*

*Approximate Cost: \$125.00 (AP Studio Art students will need to pay for their AP exam - \$95)*

This course is designed for students that have successfully completed Digital Media Arts I. Students will study Graphic Design, Digital Photography, Video Production, and Animation. This course also corresponds to the national Advanced Placement curriculum for Studio Art: 2-D Design. It is a fast paced challenging course intended for highly motivated and dedicated students pursuing a career in art who are willing to devote considerable time and effort to the study of art and the development of higher-level skills. In addition to meeting specific standards and requirements of Digital Media Arts II, students electing to take the course for AP credit are required to submit a portfolio to the AP College Board for evaluation at the end

of the school year. The AP 2-D Design portfolio requires the student to show a fundamental competence and range of understanding in visual design issues as well as purposeful decision-making about how to use the elements and principles of art in an integrative way. Students will demonstrate proficiency in 2- D design using a variety of digital art forms, including graphic design, typography, digital imaging, photography, illustration, and drawing. Students should prepare for this class by taking DMA I their 11th grade year and as many other art classes as possible.

## **ENGINEERING**

### **PLTW Pathway To Engineering**

The PLTW Pathway To Engineering (PTE) program is a sequence of courses which follows a proven hands-on, real-world problem-solving approach to learning. Throughout PTE, students learn and apply the design process, acquire strong teamwork and communication proficiency, and develop organizational, critical-thinking, and problem-solving skills. They discover the answers to questions like how are things made and what processes go into creating products? Students use the same industry-leading 3D design software used by companies like Intel and Lockheed Martin. They explore aerodynamics, astronautics, and space life sciences. Students apply biological and engineering concepts related to biomechanics – think robotics. They design, test, and actually construct circuits and devices such as smart phones and tablets and work collaboratively. It is STEM education, and it's at the heart of today's high-tech, high-skill global economy.

#### **PLTW1: Intro to Engineering Design (IED)**

*Grade Level: 9-12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$27.00*

This is the first course of the PLTW Engineering pathway and mandatory for the other courses. Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply these skills to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the design and details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others. There will be a course offered every year for 4 years.

#### **PLTW 2: Principles of Engineering (POE)**

*Grade Level: 10-12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: PLTW 1; sophomores, juniors: Algebra II (or higher) or Introduction to Engineering Design (may be taken concurrently); none for seniors.*

*Approximate Cost: \$14.00*

Students expecting to enter a science-engineering field are encouraged to take this course. This is the second course in the PLTW series. The course presents the major concepts that students encounter in a postsecondary engineering course of study through hands on learning and real world problem solving. Principles of Engineering explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects, and problems, students learn first-hand how engineers and technicians use math, science and technology in an engineer problem-

solving process to benefit people. Topics covered include mechanisms, energy sources and applications, statistics, material properties and testing, control systems (robotics), machine control, fluid power, statics and kinematics. This course is available to students that have passed Introduction to Engineering Design along with anyone currently taking Algebra II or a higher-level math.

### **PLTW 3: Aerospace Engineering**

*Grade Level: 9-12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: None*

*Approximate Cost: \$30.00*

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. This course is open to juniors and seniors.

### **PLTW 5: Engineering Design and Development (EDD)**

*Grade Level: 12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: Two of the PLTW courses (may be taken concurrently).*

*Approximate Cost: \$20.00*

Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology. Students will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process. EDD is appropriate for students who are interested in any technical career path.

### **PLTW 6: Civil Engineering (CE)**

*Grade Level: 10-12*

*Course Length: Full Year*

*Credit: 1.0*

*Prerequisite: PLTW1 (may be taken concurrently).*

*Approximate Cost: \$27.00*

In the course, students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

## **WCCC Satellite Information Technology Program**

The Information Technology program is created to prepare students to enter into the workforce with industry recognized professional certifications. The program consists of college credit, career exploration, real world projects and networking opportunities. Students who take advantage of this program have the opportunity to develop their leadership skills, network with other students of similar interests as well as college personnel and business professionals. Students have the opportunity to participate in competitions at the regional, state and national level as well as be able to apply for paid summer internships. This program utilizes a combination of web-based, instructor-led learning and hands-on labs.

What is your future in IT? IT is a growing field that ranges in a variety of jobs from coding, web design, game development, help desk technician, network administration, database management, and system administration. Whether you imagine yourself behind a computer screen or interacting with end users to support their technical needs, a job in IT could be for you. We have some great opportunities available at our Little Miami High School/Warren County Career Center satellite location. In addition, we have partnerships with a variety of post-secondary institutions to help you pursue your future in IT and assist in scholarships.

1. Industry Certifications (CompTIA IT Fundamentals, A+, Network+, Security+)
2. 2 - Year Degree - Sinclair Community College offers 7 different Associate degree programs.
3. 2+2 Degree - Sinclair + WSU or UD - allows students to save money by earning an Associate degree and then continuing on at a 4-year institution.
4. 4 or 4+1 - University of Cincinnati - through our UC-IT Pathway your student can finish their entire freshman year of college while in our program and be ready for a Co-Op right after graduation.

### **University of Cincinnati Early College Entry Program**

Through the partnership between the University of Cincinnati School of Information Technology and Warren County Career Center, high school students are provided a pathway to complete their first year of college while in high school. In addition, students have the opportunity to complete their college education minimal debt through the co-op program offered by the University of Cincinnati.

Students who wish to participate in the UC-IT Pathway must take the required IT Courses AND General Education Requirements including Math, English and Humanities. For automatic acceptance into the UC program students can complete all 6 IT courses with a C or better AND all 3 General Ed courses by earning at least a 3 on the AP exam or C or better. It is important to check prior to taking a CCP or AP course that the course will qualify and transfer to UC for this opportunity. Contact [jim.clouse@mywccc.org](mailto:jim.clouse@mywccc.org) with any questions.

### **Introduction to Information Technology**

*Grades: 9-12*

*Length: Semester*

*Fee: \$25 Business Professionals of America (BPA)*

*Pre-Requisites: None*

*Type: Elective or UC-IT, opportunity for college credit*

This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn basics of computer hardware, software, operating systems, programming, database, and cybersecurity.

### **A+ Certification Prep – Hardware/Software**

*Grades: 9-12*

*Length: Year*

*Fee: \$25 Business Professionals of America (BPA)*

*Pre-Requisites: Some prior knowledge of computer systems is recommended*

*Type: Elective, opportunity for college credit*

Students will prepare for the newly revised and updated CompTIA A+ certification exam(1001 & 1002), which is the industry standard for demonstrating the skills needed to step right into a tech support role. PC computer and networking hardware will be covered, as well as coverage of networking protocols, wireless networking and configuration, laptops and printing. PC, Mac, and Linux operating systems will be covered, as well as introductions to cybersecurity, virtualization and cloud platforms. New content to the certification includes mobile and IoT devices, scripting, safety and environmental concerns, OS troubleshooting, documentation and IT operational procedures.

### **Computer Networking Systems**

*Grades: 10-12*

*Length: Year*

*Fee: \$25 Business Professionals of America*

*Pre-Requisites: Intro to Information Technology:*

*Type: Elective or UC-IT, opportunity for college credit*

Students will install, configure, and troubleshoot network hardware and peripherals. Students will learn networking by exploring the OSI model, network topologies, and cabling. Students will design simple networks, know how to select physical devices, and be able to configure the equipment. Knowledge and skills relating to the operation and usage of network protocols will be developed. Network Operating Systems Linux and Windows Server will be explored. Each student who passes the end of course exam can earn CTAG credit.

### **Database Management**

*Grades: 9-12*

*Length: Year*

*Fee: \$25 Business Professionals of America*

*Prerequisite: None*

*Type: Elective or UC-IT*

Students will use developer strategies to manipulate data, present database systems theory, and develop database applications. Students will learn to import and export data, manipulate table properties, make advanced queries, and run basic SQL forms and reports. Students will develop macros for automating database tasks and building menu-driven applications.

Knowledge and skills of data modeling, diagraming, query writing, and design theory will be developed. Each student will be enrolled in the Business Professionals of America. As part of this course, students will also enroll as a Tech Prep student with Sinclair Community College and have the opportunity to earn college credit in the CIS 2165 - Database Management course. (3 credit hours).

### **Web Development**

*Grades: 9-12*

*Length: Year*

*Fee: \$25 Business Professionals of America*

*Prerequisite: None*

*Type: Elective or UC-IT*

Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables. Each student will be enrolled in the Business Professionals of America. As part of this course, students will also enroll as a Tech Prep student with Sinclair Community College and have the opportunity to earn college credit in the CIS 1350 - Web Development using HTML and CSS course. (3 credit hours). \*A C or higher in the CIS 1350 course is required for the UC-IT Pathway program.

### **Computer Programming**

*Grades: 10-12*

*Length: Year*

*Fee: \$25 Business Professionals of America*

*Prerequisite: Intro to Information Technology*

*Type: Elective or UC-IT*

This course offers a course and exam in introductory programming. Students will learn to represent programming concepts as "objects" that have data fields and associated procedures known as methods. Students will implement classes such as support static, instance method, inheritance, polymorphism, exception handling, and object serialization. A variety of commercial and open source programs and applications will be used. All students who sign up for this course will be enrolled in the Business Professionals of America. Students will be expected to utilize their skills and apply them to real-world projects through competitions and showcases. Students can earn college credit via our CTAG option.

## **WORLD LANGUAGE DEPARTMENT**

### **French 1**

*Grade Level: 9-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: none*

*Approximate Cost: \$20.00*

This is a one year course designed to develop foreign language skills and to prepare students for living in a global society. Classroom instruction is designed to develop the ability

to communicate in a second language by involving students in communicative tasks. Classroom instruction includes listening, reading, speaking, and writing skills. Students will learn French in a contemporary cultural context.

## **French 2**

*Grade Level: 9-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A passing grade in French 1*

*Approximate Cost: \$20.00*

This second year elective course is designed to further enhance world language skills and to prepare students for living in a global society. Classroom instruction is designed to increase the ability to communicate in a second language by involving students in communicative tasks. Classroom instruction includes reading, writing, listening and speaking skills. Students will learn the target language in a contemporary cultural context. French is used whenever possible for explanation and application.

## **French 3**

*Grade Level: 10-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A passing grade in French 2*

*Approximate Cost: \$20.00*

This advanced level course places added emphasis on grammatical skills, conversation, and reading. Students will communicate at a greater level in written and spoken French and are expected to speak French daily. Various aspects of the culture of the French-speaking world are studied. A third year of language study is one of the criteria for the Honors Diploma. **A teacher recommendation is needed**

## **French 4**

*Grade Level: 11-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A passing grade in French 3*

*Approximate Cost: \$20.00*

French IV students practice language skills daily in the four areas of language learning: listening, speaking, reading and writing. Advanced grammar studies continue through an emphasis on literature. Composition skills are refined through a variety of writing exercises. This class will prepare students for AP French the following year. **A teacher recommendation is needed**

## **AP French**

*Grade Level: 12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A "C" or better in level 4 French*

*Approximate Cost: \$99.00 (Includes \$4 class fee and \$95 AP exam fee)*

The purpose is to develop proficiency in the French language. Students have already acquired a basic knowledge of the language and culture of French speaking peoples and

have developed a reasonable proficiency in listening comprehension, speaking, reading and writing. This course stresses vocabulary, oral skills, composition and grammar, and requires students to use French for active communication. In order to promote language proficiency, this class is conducted primarily in the target language. Students work toward building a larger reading, speaking and listening vocabulary through use of materials representative of the French-speaking culture. Extensive training in the organization and writing of compositions is an integral part of AP French. **A teacher recommendation is needed**

### **Spanish 1**

*Grade Level: 9-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: none*

*Approximate Cost: \$20.00*

Spanish 1 is an introduction to the Spanish language using basic vocabulary and simple grammar. Listening, speaking, reading and writing skills are also developed. Students will study the culture of Spanish speaking countries.

### **Spanish 2**

*Grade Level: 9-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A passing grade in Spanish 1*

*Approximate Cost: \$20.00*

Spanish 2 continues to develop listening, speaking, reading, and writing skills. Students also continue to develop a cultural awareness of the people and countries where Spanish is spoken.

### **Spanish 3**

*Grade Level: 10-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A passing grade in Spanish 2*

*Approximate Cost: \$20.00*

This Spanish III course is a continuation of Spanish II. The class builds upon concepts learned in Spanish II. A rigorous curriculum in a high paced environment is geared to challenge students. There will be a stronger focus on oral work, writing, listening, and reading throughout each unit. Additional emphasis will be placed on writing, and literature, as well as, cultural aspects of the Spanish speaking world. All students will be engaged in creating projects/dialogues, in addition to daily work and assessments. **A teacher recommendation is needed**

### **Spanish 4**

*Grade Level: 11-12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A passing grade in Spanish 3*

*Approximate Cost: \$20.00*

This Spanish IV is a course that builds upon the communication skills mastered in the three previous levels. Students will be studying advanced vocabulary and grammatical concepts. Student will be expected to use these skills in communication and writing within situations studied. A rigorous curriculum in a high paced environment is geared to challenge students. There will be a stronger focus on oral work, writing, listening, and reading throughout each chapter. Spanish is spoken by the instructor and by the students for the majority of this class; however, grammar and more technical explanations may take place in English. **A teacher recommendation is needed**

### **AP Spanish**

*Grade Level: 12*

*Course Length: Full year*

*Credit: 1.0*

*Prerequisite: A "C" or better in level 4 Spanish*

*Approximate Cost: \$115.00 (Includes \$4 class fee, \$16 workbook, and \$95 AP exam fee)*

The purpose is to develop proficiency in the Spanish language. Students have already acquired a basic knowledge of the language and culture of Spanish-speaking peoples and have developed a reasonable proficiency in listening comprehension, speaking, reading and writing. This course stresses vocabulary, oral skills, composition and grammar, and requires students to use Spanish for active communication. In order to promote language proficiency, this class is conducted primarily in the target language. Students work toward building a larger reading, speaking and listening vocabulary through use of materials representative of the Spanish-speaking culture. Extensive training in the organization and writing of compositions is an integral part of AP Spanish. **A teacher recommendation is needed**

## **ONLINE COURSE OFFERINGS**

**The cost of online courses are approximately \$280.00 per semester per course or \$560.00 for a full year course. All classes are subject to availability from the online providers.**

### ***Career and Elective Courses:***

#### **ADVERTISING AND SALES PROMOTION**

*Course Length: Semester*

*Credit: .5*

What comes to mind when you think of marketing? Does a favorite commercial jingle begin to play in your head? Or do you recall the irritating phone call from a company trying to sell you software you already have? No matter what your feelings are about it, there is no denying the sheer magnitude of the marketing industry. Every year companies spend \$200 billion promoting their products and services—and that is in the United States alone! Experts estimate that by the time you turn 65, you will have seen nearly 2 million TV commercials, not to mention radio ads, billboards, and online advertisements. In this course, you will learn how marketing campaigns, ads, and commercials are conceived and brought to life. You will meet some of the creative men and women who produce those memorable ads and commercials. In addition, you will discover career opportunities in the field to help you decide if a job in this exciting, fast-paced industry is in your future!

## **AFRICAN-AMERICAN HISTORY**

*Course Length: Semester*

*Credit: .5*

How have African Americans shaped the culture of the United States throughout history? Tracing the accomplishments and obstacles of African Americans from the slave trade through emancipation, and to the modern African diaspora, you will learn about the political, economic, social, religious, and cultural factors that have influenced African American life. In African American History, you'll come face to face with individuals who changed the course of history and learn more about slavery, the Civil Rights Movement, and the many contributions of the African American community to American life. You will also explore how the history of African Americans influences current events today.

## **AGRISCIENCE I: INTRODUCTION TO AGRISCIENCE**

*Course Length: Semester*

*Credit: .5*

In this course, students will learn more about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students will also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

## **AGRISCIENCE II: SUSTAINING HUMAN LIFE**

*Course Length: Semester*

*Credit: .5*

Science and technology are revolutionizing many areas of our lives, and agriculture is no exception! From aquaculture to genetic engineering, agriscience is finding new ways to better produce and manage plants, from the field to the garden. In Agriscience II, you will build on your existing knowledge of plant science, delve deeper into important areas such as soil science, and weed management. You will learn more about horticulture and plant science trends from creating hybrid species to growing edible plants in unlikely places.

## **ANTHROPOLOGY I: UNCOVERING HUMAN MYSTERIES**

*Course Length: Semester*

*Credit: .5*

The aim of anthropology is to use a broad approach to gain an understanding of our past, present and future, and in addition address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the anthropological world are just one of the powerful learning tools utilized in this course.

## **ANTHROPOLOGY II: MORE HUMAN MYSTERIES UNCOVERED**

*Course Length: Semester*

*Credit: .5*

Anthropology has helped us better understand cultures around the world and through different time periods. This course continues the study of global cultures and the ways that humans have made sense of their world. We will examine some of the ways that cultures have understood and gave meaning to different stages of life and death. The course will also

examine the creation of art within cultures and examine how cultures evolve and change over time. Finally, we will apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.

### **ART HISTORY I**

*Course Length: Semester*

*Credit: .5*

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this one-semester course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth- and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

### **ARCHAEOLOGY: DETECTIVES OF THE PAST**

*Course Length: Semester*

*Credit: .5*

The field of archaeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on this techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.

### **ASTRONOMY: EXPLORING THE UNIVERSE**

*Course Length: Semester*

*Credit: .5*

Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe that surrounds us. This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space.

### **BIOTECHNOLOGY: UNLOCKING NATURE'S SECRETS**

*Course Length: Semester*

*Credit: .5*

Can we bring back extinct species? Will the cures for cancer, malaria, and other diseases come from the combination of natural materials and new technologies? How is science changing the foods we eat? Welcome to the world of biotechnology! In this course, you will explore the history of biotechnology, including early attempts at food preservation, the development of antibiotics, and changes to food crops around the world. You'll also learn more about some of the challenges of biotechnology, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically

modified organisms (GMOs). Finally, you'll research new biotechnologies and how they are changing the world we live in.

### **CAREERS IN CRIMINAL JUSTICE**

*Course Length: Semester*

*Credit: .5*

The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system.

### **CAREER PLANNING & DEVELOPMENT**

*Course Length: Semester*

*Credit: .5*

Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.

### **CONCEPTS OF ENGINEERING AND TECHNOLOGY**

*Course Length: Semester*

*Credit: .5*

Each day, we are surrounded by technology and engineering projects. From our phones to the bridges we drive over, engineering and technology influence many parts of our lives. In Concepts of Engineering and Technology, you will learn more about engineering and technology careers and what skills and knowledge you will need to succeed in these fields. You will explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process. Concepts of Engineering and Technology will also help you understand the emerging issues in this exciting career field.

### **COSMETOLOGY: CUTTING EDGE STYLES**

*Course Length: Semester*

*Credit: .5*

This course introduces the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies used by cosmetologists, and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses.

### **COSMETOLOGY 2: THE BUSINESS OF SKIN AND NAIL CARE**

*Course Length: Semester*

*Credit: .5*

Helping people put their best face forward is a growing, vibrant industry, which needs skilled and personable professionals well-versed in the latest trends and technological advances. In this course, students will experience what the day-to-day life of a cosmetologist is like. They

will discover that cosmetology is much more than knowing and applying techniques. Additionally, students will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques.

### **CRIMINOLOGY: INSIDE THE CRIMINAL MIND**

*Course Length: Semester*

*Credit: .5*

In today's world, crime and deviant behavior rank at or near the top of many people's concerns. In this course, we will study the field of Criminology – the study of crime. We will look at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles not only criminals, but also their misdeeds. Why do some individuals commit crimes why others do not? What aspects in our culture and society promote crime and deviance? Why are different punishments given for the same crime? What factors... from arrest to punishment...help shape the criminal case process?

### **CULINARY ARTS**

*Course Length: Semester*

*Credit: .5*

Food is all around us—we are dependent on it and we enjoy it. This course will give you the fundamentals to start working in the kitchen and gaining experience as you explore and establish your talents for cooking and preparing food in a creative and safe way. You will learn safety measures as well as enhance your knowledge of various types of foods and spices. If you enjoy hands-on learning and want to deepen your knowledge about culinary arts, this is a great course to start.

### **CYBERSECURITY I**

*Course Length: Semester*

*Credit: .5*

We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all of that data really be kept “secret”? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You will learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You will also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

### **DRUGS & ALCOHOL**

*Course Length: Full Year*

*Credit: 1.0*

This course delves into the types and effects of drugs, including alcohol, tobacco, steroids, over-the-counter drugs, marijuana, barbiturates, stimulants, narcotics, and hallucinogens. Students learn about the physiological and psychological effects of drugs, as well as the rules, laws, and regulations surrounding them. The difference between appropriate and inappropriate drug use will also be discussed. In addition, students will learn about coping

strategies, healthy behaviors, and refusal skills to help them avoid and prevent substance abuse, as well as available resources where they can seek help.

### **EARLY CHILDHOOD EDUCATION**

*Course Length: Semester*

*Credit: .5*

Would you like to have an impact on the most important years of human development?

Students will learn how to create fun and educational environments for children, how to keep the environment safe for children, and how to encourage the health and well-being of infants, toddlers, and school-aged children.

### **EXERCISE SCIENCE**

*Course Length: Full Year*

*Credit: 1.0*

This course guides students through an in-depth examination of the effects of exercise on the body. Students learn how to exercise efficiently and properly and how to motivate themselves and others. Basic anatomy, biomechanics, and physiology will serve as a foundation for students to build effective exercise programs. The study of nutrition and human behavior is also an integral part of the course to enhance the student comprehension of this multifaceted subject. \*This course is recommended for grades 10–12.

### **FASHION AND INTERIOR DESIGN**

*Course Length: Semester*

*Credit: .5*

Do you have a flair for fashion? Are you constantly redecorating your room? If so, the design industry might just be for you! In this course, you will explore what it is like to work in the industry by exploring career possibilities and the background that you need to pursue them. Get ready to try your hand at designing as you learn the basics of color and design then test your skills through hands-on projects. In addition, you will develop the essential communication skills that build success in any business. By the end of the course, you will be well on your way to developing the portfolio you need to get your stylishly clad foot in the door of this exciting field. Required Materials: Clothing items Sewing machine, Thread Fabric, Clothing Patterns, Measuring tape, Sketchpad, Paper, Scissors.

### **FAMILY & CONSUMER SCIENCES**

*Course Length: Full Year*

*Credit: 1.0*

This course prepares students with a variety of skills for independent or family living. Topics covered include childcare, home maintenance, food preparation, money management, medical management, clothing care, and more. The course also focuses on household, personal, and consumer health and safety. In addition, students learn goal-setting and decision-making skills, as well as explore possible career options.

## **FAMILY LIVING & HEALTHY RELATIONSHIPS**

*Course Length: Full Year*

*Credit: 1.0*

Students will examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life—including information on self-discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development, from infancy to adulthood. The course also focuses on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits.

## **FIRST AID & SAFETY**

*Course Length: Full Year*

*Credit: 1.0*

Students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to respond to a variety of emergencies. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety and disaster preparedness.

## **GAME DESIGN I**

*Course Length: Semester*

*Credit: .5*

The possibilities are endless when it comes to video game design! Learn about the history of gaming, software and hardware, trouble shooting, and Internet safety. Tap into your creative abilities and learn the necessary technical skills to design your own gaming platforms and create a plan for a 2D game. Turn your hobby into a future career. Required Materials: Computer with: internet access slide show program word processing program Unity LTS Release 2017.4.0f1 OS: Windows 7 SP1+, 8, 10, 64-bit versions only; Mac OS X 10.9+. Server versions of Windows & OS X are not tested. GPU: Graphics card with DX10 (shader model 4.0) capabilities. Timing device (smartphone, stopwatch, or kitchen timer) Photo and video equipment May be a digital camera, a phone with a camera or a computer camera Several (10-20) pieces of blank paper Pencil and/or pen Optional Materials: For students who prefer to complete activities/lab by hand: Poster board or butcher paper Markers, crayons, colored pencils.

## **GAME DESIGN II**

*Course Length: Semester*

*Credit: .5*

Explore all things related to video game design. Gain skills to conceptualize, design, and fully create a video game. Explore software and hardware, sharpen your coding skills, learn about storylines, player progression, and algorithmic decision-making. Analyze a variety of game play components. Required Materials • Computer with: OS: Windows 7 SP1+, 8, 10; Mac OS X 10.8+. Windows XP & Vista are not supported; and server versions of Windows & OS X are not tested. Firefox or Chrome browser for Audio App used in Unit 1 GPU: Graphics card with DX9 (shader model 3.0) or DX11 with feature level 9.3 capabilities. More advanced gaming prototypes may require more advanced hardware! You must have the ability to download software onto your computing device. Audio Recording device (microphone, etc.) Mouse/trackball with scroll wheel.

### **GOTHIC LITERATURE: MONSTER STORIES**

*Course Length: Semester*

*Credit: .5*

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

### **GREAT MINDS IN SCIENCE: IDEAS FOR A NEW GENERATION**

*Course Length: Semester*

*Credit: .5*

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world.

### **HISTORY OF THE HOLOCAUST**

*Course Length: Semester*

*Credit: .5*

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

### **HOSPITALITY & TOURISM: TRAVELING THE GLOBE**

*Course Length: Semester*

*Credit: .5*

With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

**HOSPITALITY AND TOURISM 2: HOTEL AND RESTAURANT MANAGEMENT**

*Course Length: Semester*

*Credit: .5*

In this course, students will learn about what makes the hotel and restaurant industries unique. They will learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Students will evaluate the environment for these businesses by examining their customers and their competition. As well, they will discover trends and technological advances that makes each industry exciting and innovative. Students will explore a variety of interesting job options from Front Desk and Concierge services to Front-of-House and Food Service.

**INTRODUCTION TO CODING**

*Course Length: Semester*

*Credit: .5*

Intro to Coding covers a basic introduction to the principles of programming, including algorithms and logic. Students engage in hands-on programming tasks in the Python programming language as they write and test their own code using the approaches real programmers use in the field. Students will program with variables, functions and arguments, and lists and loops, providing a solid foundation for more advanced study as well as practical skills they can use immediately

**INTRO TO COACHING**

*Course Length: Full Year*

*Credit: 1.0*

This course focuses on the various responsibilities of a coach and the skills needed to successfully fill this important position. Throughout the course, students will explore various coaching models and leadership styles, sports nutrition, and sports psychology, as well as safety in conditioning and cross training. Students will learn effective communication, problem-solving, and decision-making skills. The course will also introduce students to game strategy, tactical strategy, skills-based training, and coaching ethics.

**INTRODUCTION TO HEALTH SCIENCE**

*Course Length: Semester*

*Credit: .5*

This course introduces students to a variety of healthcare careers, as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S. healthcare system, students learn terminology, anatomy and physiology, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the health care field.

## **INTRODUCTION TO MILITARY CAREERS**

*Course Length: Semester*

*Credit: .5*

You've probably seen an old movie about a hotshot naval aviator, or perhaps a more recent film about the daring actions of Special Forces operatives. However, do you really know what careers the military can offer you? Introduction to Military Careers will provide the answers. The military is far more diverse and offers many more career opportunities and tracks than most people imagine. In Introduction to Military Careers, you will learn about not only the four branches of the military (and the Coast Guard) but also about the types of jobs, you might pursue in each branch. From aviation to medicine, law enforcement to dentistry, the military can be an outstanding place to pursue your dreams.

## **INTRO TO NURSING 1 & 2**

*Course Length: Full Year*

*Credit: 1.0*

This course introduces students to the field of nursing. In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. The course will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In semester two, students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, and crisis management will be included.

## **INTRODUCTION TO RENEWABLE TECHNOLOGIES**

*Course Length: Semester*

*Credit: .5*

Interested in transforming energy? With concerns about climate, change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. In the Introduction to Renewable Technologies course, you will learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. You'll explore new ways of generating energy and storing that energy, from biofuels to high capacity batteries and smart electrical grids. You will also learn more about the environmental and social effects of renewable technologies and examine how people's energy decisions impact policies.

## **INTRODUCTION TO SOCIAL MEDIA**

*Course Length: Semester*

*Credit: .5*

Have a Facebook account? What about Twitter? Whether you have already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning how to interact on various social media platforms is crucial in order to survive and thrive in this age of digital communication. In this course, you will learn the ins and outs of social media platforms such as Facebook, Twitter, Pinterest, Google+, and more. You will also discover other types of social media you may not have been aware of and how to use them for your benefit—personally, academically, and eventually professionally as well. If you

thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

### **JOURNALISM: INVESTIGATING THE TRUTH**

*Course Length: Semester*

*Credit: .5*

If you're the first to know what's going on in your school or town, or the first to post on Facebook or Instagram about your favorite TV shows or favorite celebrities, then you're just the person that every online, in-print, and broadcast news outlet is looking for. In addition, Journalism: Investigating the Truth is the perfect course for you! In this course, you will learn how to write a lead that grabs your readers, how to write engaging news stories and features, and how to interview sources. You will also learn about the history of journalism, how to succeed in the world of social media news, and how to turn your writing, photography, and people skills into an exciting and rewarding career.

### **LAW & ORDER: INTRODUCTION TO LEGAL STUDIES**

*Course Length: Semester*

*Credit: .5*

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our communities and of our nation.

### **MEDICAL TERMINOLOGY**

*Course Length: Semester*

*Credit: .5*

This semester-long course introduces students to the structure of medical terms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to health care settings, medical procedures, pharmacology, human anatomy and physiology, and pathology. The knowledge and skills gained in this course provide students entering the health care field with a deeper understanding of the application of the language of health and medicine. Students are introduced to these skills through direct instruction, interactive tasks, practice assignments, and unit-level assessments.

### **MUSIC APPRECIATION: THE ENJOYMENT OF LISTENING**

*Course Length: Semester*

*Credit: .5*

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

## **MYTHOLOGY & FOLKLORE: LEGENDARY TALES**

*Course Length: Semester*

*Credit: .5*

Mighty heroes. Angry gods and goddesses. Cunning animals. Since the first people gathered around fires, mythology and folklore has been used as a way to make sense of humankind and our world. Beginning with an overview of mythology and different kinds of folklore, students will journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how these are still used to shape society today.

## **NATIONAL SECURITY**

*Course Length: Semester*

*Credit: .5*

In this course, you will learn the critical elements of this very important career, such as evaluating satellite information, analyzing training procedures, assessing military engagement, and preparing intelligence reports. In addition, you will gain a better understanding of appropriate responses to security threats and how best to coordinate information with other agencies.

## **NURSING ASSISTANT**

*Course Length: Full Year*

*Credit: 1.0*

This two-semester course prepares students to provide and assist with all aspects of activities of daily living and medical care for the adult patient in hospital, long-term care, and home settings. Through direct instruction, interactive skills demonstrations, and practice assignments, students are taught the basics of nurse assisting, including interpersonal skills, medical terminology and procedures, legal and ethical responsibilities, safe and efficient work, gerontology, nutrition, emergency skills, and employability skills. Successful completion of this course from an approved program prepares the student for state certification for employment as a Certified Nursing Assistant (CNA).

## **NUTRITION AND WELLNESS**

*Course Length: Semester*

*Credit: .5*

This course takes students through a comprehensive study of nutritional principles and guidelines. Students learn about worldwide views of nutrition, essential nutrient requirements, physiological processes, food labeling, weight management, healthy food choices, fitness, diet-related diseases and disorders, food handling, healthy cooking, nutrition for different populations, and more. Students gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.

## **OUTDOOR SPORTS**

*Course Length: Full Year*

*Credit: 1.0*

This course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in-depth study of hiking and orienteering, golf, and dual

volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the FITT principles, benefits of fitness, and safety and technique. Students conduct fitness assessments, set goals, and participate in weekly physical activity.

### **PEER COUNSELING**

*Course Length: Semester*

*Credit: .5*

Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches the observation, listening, and emphatic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only will this course prepare you for working as a peer counselor, but the skills taught will enhance your ability to communicate effectively in your personal and work relationships

### **PHARMACY TECHNICIAN**

*Course Length: Full Year*

*Credit: 1.0*

This course prepares students for employment as a Certified Pharmacy Technician (CPhT) and covers the skills needed for the pharmacy technician field. Through direct instruction, interactive skills demonstrations, and practice assignments, students learn the basics of pharmacy assisting, including various pharmacy calculations and measurements, pharmacy law, pharmacology, medical terminology and abbreviations, medicinal drugs, sterile techniques, USP 795 and 797 standards, maintenance of inventory, patient record systems, data processing automation in the pharmacy, and employability skills. Successful completion of this course prepares the student for national certification for employment as a CPhT. ..

### **PHILOSOPHY: THE BIG PICTURE**

*Course Length: Semester*

*Credit: .5*

This course will take you on an exciting adventure that covers more than 2,500 years of history! Along the way, you will run into some very strange characters. For example, you will read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You will learn about another eccentric who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you learn about these great thinkers, you will come to see how and where many of the most fundamental ideas of Western Civilization originated. You will also get a chance to ask yourself some of the same questions these great thinkers pondered. By the time, you have “closed the book” on this course, you will better understand yourself and the world around you...from atoms to outer space...and everything in between.

### **PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES**

*Course Length: Semester*

*Credit: .5*

Food has to travel from the farm to the table, and in Agriculture and Natural Resources, you will learn about all of the steps in that journey, beginning with the history of agriculture through animal husbandry, plant science, and managing our use of natural resources. In this

course, you will receive a broad understanding of the subject matter, preparing you for future hands-on learning, participation in Future Farmers of America, and supervised agricultural experiences. Required Materials: A digital camera or camera phone. Supplies for an experiment of the student's choice

### **PRINCIPLES OF PUBLIC SERVICE: TO SERVE AND PROTECT**

*Course Length: Semester*

*Credit: .5*

Have you ever wondered who decides where to put roads? Or makes sure that someone answers the phone when you call 911? Or determines that a new drug is safe for the public? These tasks and many more are part of public service, a field that focuses on building healthy societies. Public service includes many different types of careers, but they all have in common the goal of working for others. This course will explore some of the most common career paths in public service. Working for the public also comes with a very specific set of expectations since protecting society is such an important mission. Therefore, if you want to work for the greater good, there is probably a public service career for you! **PUBLIC SPEAKING** The art of public speaking is one, which underpins the very foundations of Western society. This course examines those foundations in both Aristotle and Cicero's views of rhetoric, and then traces those foundations into the modern world. Students will learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, build a strong argument, and speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and will be able to put that knowledge to practical use.

### **REAL WORLD PARENTING**

*Course Length: Semester*

*Credit: .5*

What is the best way to care for children and teach them self-confidence and a sense of responsibility? Parenting involves more than having a child and providing food and shelter. Learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent/ child relationships are some of the topics covered in this course.

### **RESTAURANT MANAGEMENT**

*Course Length: Semester*

*Credit: .5*

Have you always dreamed of running your own restaurant? Maybe you want to manage a restaurant for a famous chef. What goes on beyond the dining room in a restaurant can determine whether a restaurant is a wild success or a dismal failure. In Restaurant Management, you'll learn the responsibilities of running a restaurant—from ordering supplies to hiring and firing employees. This course covers the different types of restaurants; managing kitchen and wait staff; food safety and hygiene; customer relations; marketing; using a point-of sale system; scheduling employees; and dealing with difficult guests. Restaurant Management will prepare you for a steady career, whether you plan to buy a fast food franchise, operate a casual sit-down restaurant, or oversee a fine-dining establishment. Required Materials: *f* A digital camera or camera phone *f* Ingredients and tools to make a simple food dish of student's choice *f* Stove/grill/oven/microwave

**SOCIAL PROBLEMS I: A WORLD IN CRISIS***Course Length: Semester**Credit: .5*

Students will become aware of the challenges faced by social groups, as well as learn about the complex relationship among societies, governments and the individual. Each unit is focused on a particular area of concern, often within a global context. Possible solutions at both the structural level as well as that of the individual will be examined. Students will not only learn more about how social problems affect them personally, but also begin to develop the skills necessary to help make a difference in their own lives and communities, not to mention globally.

**SOCIAL PROBLEMS II: CRISIS, CONFLICTS & CHALLENGES***Course Length: Semester**Credit: .5*

The Social Problems II course continues to examine timely social issues affecting individuals and societies around the globe. Students learn about the overall structure of the social problem as well as how it affects their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. For each issue, students examine the connections in the global arena involving societies, governments and the individual.

**SPORTS OFFICIATING***Course Length: Full Year**Credit: 1.0*

In this course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, and football. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play.

**VETERINARY SCIENCE: THE CARE OF ANIMALS***Course Length: Semester**Credit: .5*

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Looking at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases affect not only the animals around us, but at times we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

**WORLD RELIGIONS: EXPLORING DIVERSITY***Course Length: Semester**Credit: .5*

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these

religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have.

## **WORLD LANGUAGE:**

### **AMERICAN SIGN LANGUAGE 1**

*Course Length: Full Year*

*Credit: 1.0*

This beginning of this full-year course will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture: social beliefs, traditions, history, values and communities influenced by deafness. The second semester will introduce you to more of this language and its grammatical structures.

### **AMERICAN SIGN LANGUAGE 2**

*Course Length: Full Year*

*Credit: 1.0*

In this course, students will build on the skills they learned in American Sign Language 1 and explore the long and rich history of Deaf culture and language. They will expand their knowledge of the language as well as their understanding of the world in which it is frequently used. Students will grow their sign vocabulary and improve their ability to interact using facial expressions and body language. They will also learn current trends in technology within ASL as well as potential education and career opportunities

### **CHINESE I**

*Course Length: Full Year*

*Credit: 1.0*

High school students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.

### **CHINESE II**

*Course Length: Full Year*

*Credit: 1.0*

Students in high school continue their introduction to Chinese in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.

**GERMAN I***Course Length: Full Year**Credit: 1.0*

High school students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas in Europe.

**GERMAN II***Course Length: Full Year**Credit: 1.0*

Students continue their introduction to high school German in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas in Europe.

**LATIN I***Course Length: Full Year**Credit: 1.0*

High school students begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.

**LATIN II***Course Length: Full Year**Credit: 1.0*

Students continue their introduction to high school Latin by continuing to cover the fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, a notable ancient myth in Latin, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.

## AP COURSES

**AP classes through Edgenuity and NWU North Western University The NWU prices could increase for the 2020-2021 school year.**

<b>Class</b>	<b>Description</b>	<b>Semesters</b>
AP English Language & Composition	Read a wide array of fiction and non-fiction to strengthen your critical literacy skills. Expository, analytical, and argumentative writing skills that form the basis of effective communication are emphasized.	2 Edgenuity \$560
AP Economics: Macro and Micro	Microeconomics examines the behaviors of individuals and businesses, while macroeconomics analyzes the economy as a whole. Topics covered in this two credit course include supply and demand, the role of labor, and fiscal and monetary policy. Students examine government regulations and the impact they have on individual choice, standards of living, competition, and world trade patterns.	2 NWU 1,100
AP Economics: Macro 1 semester	Microeconomics examines the behaviors of individuals and businesses. Topics covered in this one credit course include supply and demand, the role of labor, and fiscal and monetary policy. Students examine government regulations and the impact they have on individual choice, standards of living, competition, and world trade patterns.	1 NWU \$730
AP Economics: Micro 1 semester	Macroeconomics analyzes the economy as a whole; topics covered in this one credit course include supply and demand, the role of labor, and fiscal and monetary policy. Students examine government regulations and the impact they have on individual choice, standards of living, competition, and world trade patterns.	1 NWU \$730
AP Human Geography Full Year	Geography generally focuses on the question of "Where?" Human geography tries to answer the question, "Why there?" Examine the basics of cultural change, regionalism, and political organization in this multifaceted approach to understanding world geography.	2 Edgenuity \$560
AP Psychology	Understand various theories of behavior and cognition, participate in research exercises, and study the current practices of psychology in various contexts. The course culminates in an experiment that includes the collection, interpretation, and evaluation of data.	2 Edgenuity \$560
AP Calculus BC	AP® Calculus BC includes advanced applications of integration techniques, infinite series, conics, parametric equations, polar coordinates, and the calculus of vector-valued functions. A graphing calculator is required.	2 NWU \$1,100
AP Environmental Science	Study the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Lab activities require fieldwork.	2 Edgenuity \$560
AP Physics I	This college-level algebra-based physics course explores topics in dynamics, motion and simple circuits through complex problem-solving, lab investigations and learning projects and using the visualization of physical principles and practical applications.	2 NWU \$1,100
AP Physics II	Explore fluid mechanics, electricity, magnetism, optics and atomic	2

	and nuclear physics and their practical applications through complex problem-solving, and student centered laboratory investigations in this college-level algebra-based course.	NWU \$1,100
AP Physics C: Mechanics & Electricity & Magnetism	Students will investigate topics such as Newton's Laws of motion, energy, linear and angular momentum, electric and magnetic fields, circuits and electromagnetism. This two credit course uses complex mathematical problem solving techniques including calculus and is designed for students with prior physics experience and interested in majoring in a technical science in college.	2 NWU \$1,100
AP Physics C: Mechanics	This one credit course provides a detailed study of classical mechanics including Newton's Laws of motion, energy, linear and angular momentum, motion and rotation, solving a variety of challenging problems and is designed for students with prior physics experience and interested in majoring in a technical science in college.	1 NWU \$730
AP Physics C: Electricity & Magnetism	Explore electric statics, magnetic fields, circuits and electromagnetism and formulating physical principles using calculus in this one credit course is designed for students with prior physics experience and interested in majoring in a technical science in college.	1 NWU \$730
AP Computer Science	Topics include object-oriented program design, the development and selection of algorithms and data structures to solve problems, and the AP® Java subset, including the standard Java library classes. Learn to apply proper algorithms that utilize Java and to use readable and efficient code to satisfy problem descriptions. Students need a Java compiler for this course. Information on free compilers available online is included in the course syllabus.	2 NWU \$1,100