2026-2027
Curriculum Handbook

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TABLE OF CONTENTS

District Information. 1
Personnel 2
Graduation Requirements 3
Four-Year Plan Worksheet. 4
Educational Development Plan (EDP) 5
Career Clusters 6
Service Learning 8
NCAA Eligibility 11
Scheduling General Information
- Scheduling Requirements 12
- Honors/Advanced Placement Program 13

Electives 14
Course Descriptions
- Adjunct Courses 20
- Career & Technical Education 20
  - Architecture 21
  - Automotive 22
  - Broadcasting 23
  - Business Administration, Management & Operations 25
  - Computer Programming/Programmer 26
  - Cybersecurity 27
  - Engineering 28
  - Family & Consumer Science 29
  - Finance 30
  - Future Educators 31
  - Health Science 33
  - Marketing & Sales 34
  - School to Career Opportunities 35
- English/Language Arts 36
  - Required English 36
  - English Electives 39
- Experiential Education 42
- Fine Arts 43
- Mathematics 47
- Performing Arts. 51
- Physical Education 54
- Science 57
- Social Studies 61
- Special Education 66
- World Languages 69

TABLE OF CONTENTS
(Continued)

Diversified Curriculum 72
Advanced Placement 72
Blended Learning 72
Dragon Virtual 73
English Language Development 73
LOHS Homeroom 73
Oakland Schools Technical Campus 74
Extended Curriculum 77
Dual Enrollment 77
Online Learning – 21F 77
Testing Out 78

Appendix
Nondiscrimination and Access to Equal Educational Opportunity/Title VI/IX i
Section 504/ADA Prohibition Against Discrimination Based on Disability i
Career and Technical Education ii
Anti-Harassment ii
Drug Free Workplace iii
NCAA Division I Eligibility iii

DISTRICT INFORMATION

DISTRICT MISSION STATEMENT
Empowering the Dragon community to achieve excellence.

DISTRICT VISION
Empowered Dragons experience joy and success

DESIRABLE BROAD STUDENT OUTCOMES

A goal of education is to provide all learners with a solid foundation of skills, knowledge, and understandings that are necessary for their continual growth and success as students within the school setting, and as adults in society. As a result of sound education based on well-defined educational outcomes, a Lake Orion student will be:

1. a person capable of learning over a lifetime
2. a person capable of applying knowledge in diverse situations
3. a person who makes decisions for successful living
4. a caring, sensitive, and flexible human being
5. a creative and innovative person
6. a person able to communicate effectively in written and spoken language
7. a competent and productive participant in society

HIGH SCHOOL MISSION STATEMENT
The mission of Lake Orion High School, in cooperation with the family and community, is to provide an educational environment which enables students to achieve their potential and contribute to society.

HIGH SCHOOL VISION STATEMENT
The vision of Lake Orion High School is educating our students for the challenges of tomorrow.

LAKE ORION HIGH SCHOOL

HIGH SCHOOL ADMINISTRATION

Dan Haas……..……..……...Principal
Anthony Kiner …….……..…....Associate Principal (Grade 11/12)
Brad Bailey….…...……..….……..Assistant Principal (Grade 10)
Danielle Bredemus….……..…...….Assistant Principal (Grade 9)
Christopher Bell……...Athletic Director

COUNSELORS

Christy Bell…….....A-COT
Melissa Bruno……COU-GRZ
Natalie Parraghi.....GU-LED
Michele Novak .....LEE-PEP
Fawn Bullock .....PEQ-STA
Scott Boeneman ……..…….…….…….STE-Z

DEPARTMENT CHAIRPERSONS

Career and Technical Education ..... Julie Barnes
Counseling……...Michele Novak
English Language Arts .....Kelly Day/Megan Ferguson
Fine Arts ……..……Stephanie Harris
Mathematics.....Brent Cubitt/Stephen Bodiya
Media ..... Catherine Srock
Performing Arts …….…Matthew Smith
Physical Education .....Eric Rutledge
Science.....Wendy Burns/Kaitlin Kogut
Social Studies .....Kevin Kopec
Special Education.....Heather Rutledge
World Languages.....Kelsey Wise

BOARD OF EDUCATION

Danielle Bresett
Jeff Faber
Susan Flaherty
Birgit McQuiston
Heather Sinawi
Jake Singer
Scott Taylor

LAKE ORION COMMUNITY SCHOOLS ADMINISTRATION

Heidi Mercer.....Superintendent
Adam Weldon..... Asst. Superintendent of Human Resources
Andrea Curtis ..... Asst. Superintendent of Business and Finance
Drew Towlerton…….…… Asst. Superintendent of Teaching and Learning
Kerri Anderson.....Director, Curriculum – Elementary
Wes Goodman ……...Director, Operations
Mark Snyder ……Director, Communications and Marketing
Sara Leggett……..……...Director, Special Education

GRADUATION REQUIREMENTS
For the Classes of 2027-2030

A MINIMUM of **30** CREDITS IS REQUIRED FOR GRADUATION. **(19.0 required + 11.0 elective)**
Elective credits allow for each student to customize their program of study.

		Check off if completed			
		9th	10th	11th	12th
Language Arts	**4.5 Credits**				
Required sequence outlined on page 36	4.0 Credits	___	___	___	___
Speaking & Listening Elective	0.5 Credit	___	___	___	___
Social Studies	**3.0 Credits**				
9th Gr. - World History	1.0 Credit	___	___	___	___
10th Gr. - U.S. History I/II	1.0 Credit	___	___	___	___
11th Gr. - American Gov. & Economics	1.0 Credit	___	___	___	___
Mathematics	**4.0 Credits**				
See course sequences on page 47 for details. All students must have one math-related course in their senior year.		___	___	___	___
Science.....	**3.0 Credits**				
Biology	1.0 Credit	___	___	___	___
Physical Science **or**	1.0 Credit	___	___	___	___
(Honors Chemistry & Honors Physics/AP Physics – 2.0 or 2.5 Credits)					
Earth Science	1.0 Credit	___	___	___	___
Business & Communications Technology.....	**1.0 Credits**				
9th or 10th Gr. - Career Foundations	0.5 Credit	___	___	___	___
12th Gr. – Personal Finance	0.5 Credit	___	___	___	___
Physical Education.....	**1.0 Credit**				
Physical Education	0.5 Credit	___	___	___	___
Health	0.5 Credit	___	___	___	___
Visual, Performing, Applied Arts.....	**1.0 Credit**	___	___	___	___
* .5 credit is fulfilled by the required Speaking & Listening elective					
World Languages	**2.0 Credits**				
Sequences outlined on page 69.		___	___	___	___
Electives	**11.0 Credits**	___	___	___	___
Service Learning	**20 Hours**				
See program description on page 8.					

Online Learning Experience (fulfilled within required courses)

Mandatory MME Testing: Michigan Merit Exam:
To graduate, students are required to test in all areas of the MME: College Board SAT, WorkKeys job skills assessments in reading, math, and "locating information", Michigan-developed Science and Social Studies M-STEP.

Develop an Educational Development Plan (EDP)

Senior Interviews - Students are required to pass a Senior Interview to graduate.

4 YEAR PLAN WORKSHEET- Class of 2027-2030
USE GRID TO PLAN DESIRED COURSEWORK AS IT FITS WITH COURSE REQUIREMENTS

9th GRADE

English/Language Arts 9 or Honors	Biology	Visual, Performing, Applied Arts Elective	
English/Language Arts 9 or Honors	Biology	Speaking & Listening Elective	
World History or AP World History (1.5 credits)	Required Math	Physical Education or Advanced PE or Marching Band	
World History or AP World History (1.5 credits)	Required Math	Health	

10th GRADE

English/Language Arts 10 or Honors	Physical Science or Honors Chemistry AND *Honors Physics (2.0 cr.) *AP Physics (2.5 cr.)	Required World Language	
English/Language Arts 10 or Honors	Physical Science or Honors Chemistry AND *Honors Physics (2.0 cr.) *AP Physics (2.5 cr.)	Required World Language	
U.S. History 1 or AP U.S. History (1.5 credits)	Required Math	Career Foundations	
U.S. History 2 or AP U.S. History (1.5 credits)	Required Math		

11th GRADE

English/Language Arts 11 or AP English 11 Language & Composition (1.5 credits)	Earth Science	Required World Language	
English/Language Arts 11 or AP English 11 Language & Composition (1.5 credits)	Earth Science	Required World Language	
Introduction to Economics or AP Microeconomics or AP Macroeconomics	Required Math		
American Government or Advanced or AP US Gov & Politics (1.0 cr)	Required Math		

12th GRADE

Senior Composition & one of the Senior Literature options or AP Eng 12 Lit & Comp (1.5 cr)	Senior Math- Related Course		
One of following: Literature and the Human Legacy Literature and the Modern Mind Literature and the Power of Voice	Required Math		
Personal Finance & Consumer Economics			

THESE ARE SPACES FOR COURSES. EACH SPACE REPRESENTS A .5 CREDIT.

THIS GRID DOES NOT INDICATE THE ORDER OF COURSES ON YOUR SCHEDULE.

EDUCATIONAL DEVELOPMENT PLAN (EDP)

Developing an EDP is a graduation requirement for all Lake Orion High School students.

Educational Development Plans (EDP)

All Students at Lake Orion Community Schools shall develop an Educational Development Plan (EDP) during their 6th grade year and is required to review his/her educational development plan during grades 7 & 8 and revise it as appropriate each year thereafter. The EDP requirement will begin with the graduating class of 2020. The EDP shall be developed, reviewed, and revised by the student under the supervision of the student's school counselor, or another designee qualified to act in a counseling/advisory role selected by the school Principal and shall be based on high school readiness scores and a career pathways program or similar career exploration program. An EDP shall be designed to assist students to identify career development goals as they relate to academic requirements. Please note, the EDP DOES NOT take the place of a student's Individualized Education Program (IEP) or Personal Curriculum (PC). During the process of developing and reviewing a student's EDP, the student may be advised that many of the curricular requirements may be fulfilled through a Career and Technical Education (CTE) Program alongside the required core curricular courses. Therefore, it would be necessary to create a Program of Study for the individual student. In addition, the plan could include opportunities in Early Middle College, Dual Enrollment or Work-Based Learning (formally known as co-op).

The plan must be based on a career exploration program or curriculum and high school readiness scores, to assist the student identifying career development goals as they relate to academic requirements. In addition, the plan should include work-based learning experiences for the student, where appropriate, and participation in a career curriculum as developed by the district/school.

At a minimum an Educational Development Plan will consist of the following components:

- Begin the EDP by completing a specific set of tasks per grade level and answering the question, "**What is your dream job and why?**"
- A four (4) year plan for high school course plan or a modified plan based on enrollment date
- Two (2) student identified goals
- A Talent Portfolio, aka, Senior Portfolio which consists of an updated resume, cover letter, accomplishments, experiences, and certifications that encapsulate the student's high school experience (graduation requirement completed in Personal Finance)
- One Identified Career Clusters
- A post-secondary plan for after high school graduation (i.e. military, two-year degree, four-year university, apprenticeship, certification program, etc.)

The career and technical education credits may include work-based learning by a student working at a business or other work setting with appropriate oversight by the district work-based learning coordinator, who oversees the student's experience and learning in the setting in which the work-based learning occurs.

Commencement exercises will include only those students who have successfully completed requirements as certified by the high school principal. No student who has completed the requirements for graduation shall be denied a diploma as a disciplinary measure. A student may be denied participation in the ceremony of graduation, however, when personal conduct so warrants.

CAREER CLUSTERS

Career Clusters align career, technical and academic education helping students make meaningful connections between education and emerging employment trends.

Visit the Michigan Department of Education – Office of Career and Technical Education to see more detailed information on each cluster, Career Clusters, including helpful information about Career and Technical Education programs offered in each cluster in Michigan. Students can use Xello to research their skills, personality and interests to narrow down pathways towards their possible career opportunities.

Agriculture, Food & Natural Resources

Agriculture, Agricultural Operations and Related Sciences
Applied Horticulture and Horticulture Operations
Animal Health and Veterinary Sciences
Natural Resources and Conservation
Biotechnology

Architecture & Construction

Drafting & Design Technology General Architectural
Home Furnishings Equipment Installers and Consultants
Construction Trades
Electrical and Power Transmission Installation
Plumbing
Heating, Air Conditioning, Ventilation and Refrigeration

Arts, A/V Technology & Communications

Radio & Television Broadcasting Technology
Graphics and Printing Technology and Communications
Fashion Design
Visual & Performing Arts

Business Management & Administration

Business Administration Management and Operations

Education & Training

Education General
Future Proud Michigan Educator LAUNCH (Infographic)
MiRegistry
Michigan Youth Development Associate Certificate and Credential Program (MI-YDA)
Council for Professional Recognition
Core Teaching Practices
CTE Education – CDA and MI-YDA Program Self-Assessment

Energy

Lineworker

Finance

Finance and Financial Management Services
Insurance

Government & Public Administration

Army (JROTC)

Health Science

Health Sciences/Allied Health/Health Sciences
Biomedical Sciences
Clinical/Medical Laboratory Science/Research and Allied Professions

Hospitality & Tourism

Hospitality Administration/Management
Cooking and Related Culinary Arts

Human Services

Cosmetology

Information Technology
Computer Programming/Programmer
Digital/Multimedia and Information Resources
Computer Systems Networking and Telecommunications
System Administration/Administrator
Computer and Information Systems Security/Information Assurance

Law, Public Safety, Corrections, & Security
Public Safety/Protective Services

Manufacturing
Electrical/Electronics Equipment Installation and Repair
Machine Tool Technology/Machinist
Welding, Brazing and Soldering
Woodworking

Marketing
Specialized Merchandising, Sales, and Marketing Operations, Other

Science, Technology, Engineering & Mathematics (STEM)
Mechatronics
Engineering
Mechanical Drafting (CAD)

Transportation, Distribution & Logistics
Heavy Industrial Equipment Maintenance and Repair
Collision Repair Technician
Automobile Technician (ASE Certified)
Small Engines
Airframe Technology
Power Plant Technology Aircraft
Avionics Maintenance Technology
Medium/Heavy Truck Technician
Aeronautics/Aviation/Aerospace Science and Technology
Airline/Commercial/Professional Pilot and Flight Crew

SERVICE LEARNING

Service Learning is a graduation requirement for all Lake Orion High School students.

This program is the integration of education, service, and citizenship into the curriculum. Service learning teaches students how to interact in real life settings using the skills and knowledge learned in the classroom. Providing service to others facilitates the transition from the dependency of childhood to the status of independent, caring adult. Our goal is to help our students to become people who find solutions to problems rather than people who wait for others to respond. Additional information is available in the Career Center or on the Service Learning website.

- **In Order to Walk at Graduation:** All Service Hours, along with a completed reflection for each event, must be submitted through each student's x2VOL account **no later than the Friday after Spring Break of Senior Year**.
    - For 2nd quarter early graduates, hours are due the Friday before Holiday Break.
    - For 3rd quarter early graduates, hours are due the Friday after Winter Break.
- **In Order to Receive a Diploma, but not walk at Graduation:** All Service Hours, along with a completed reflection for each event, must be submitted in a student's x2VOL account by the last school day of May of senior year.

REQUIREMENTS FOR GRADUATION

Students MUST choose one of the following two options:

Option 1: Basic Requirement:

- Complete **20 service hours** at approved locations or activities throughout your 4 years as a student at LOHS.
- Submit activity information, contact information and a valid reflection for each volunteer experience through your x2VOL account. Hours must be completed at a non-profit, 501C-3 or tax exempt organization. Organizations will be required to provide a copy of their tax exempt status to Lake Orion high School.
- All hours must be submitted through x2VOL within 30 days of when the event/activity took place. Hours completed during summer vacation must be submitted by September 30 of the year the volunteering occurred.
- All hours must be verified by an adult supervisor or coordinator of the activity or event.
- Hours will be applied to your account balance once your participation is verified, and a valid reflection is approved.
- A valid reflection must be written and approved. Reflections MUST include proper grammar, spelling and punctuation. Reflections are normally 4-5 complete sentences, including how you had the ability to impact the lives of others, as well as how your life may have been impacted. You may also include why you chose the opportunity, any skills that you used and/or gained through this experience or any additional information that you feel helps to explain your experience or the outcome of your time and effort.

****Prorating of Service Hours:** Students transferring to Lake Orion High School will have a prorated Service Learning requirement. Students must complete **5** hours for each year (or partial year) that they attend Lake Orion High School.

Rules and Regulations

- Student volunteer hours MUST benefit the community - not a business or other for-profit organization.
- Service hours must be spent in active acts of service.
- Volunteering for family members, friends, neighbors, etc. does not count towards the service hour requirement.
- All hours must be completed through non-profit organizations or events that benefit the community.
- Babysitting and animal care does not count as service hours.
- Service hours should focus on making a positive impact on others.
- Hours must be submitted through x2VOL within 30 days of when the event/activity takes place. Any ongoing event, MUST be submitted every 30 days.
- Hours completed during the summer must be submitted by September 30th of the fall school year.
- Students may begin accumulating service hours as soon as the first day after they have completed 8th grade.
- If hours take place over multiple days, please list the days and times in the description area of the submission.
- Make sure to read the requirements for the reflection of your submission and complete it thoroughly for each entry.
- Once a student submits an entry, an email will be automatically generated and sent to the contact for verification. It is the student's responsibility to follow up for verification.
- Hours that have been done for another organization's requirement (court mandated hours, NHS, Leadership, Boy Scouts Eagle Badge, etc.) cannot count towards your graduation requirement – No Double Dipping!
- ALL Fundraising events for your group, team or organization do not count for Service Hours.
- ALL Dine to Donate events do NOT count for service hours.
- The donation of baked goods or other food items DOES NOT count for service hours.

- Not getting paid does not automatically mean Service Hours. You cannot volunteer for a company that is a profitable organization and refuse to be paid.
- Students cannot verify the participation of other students.
- Preapproved service project cards are permitted to be made with a ratio of 8 homemade cards for one hour of service per project. A maximum of one hour may be claimed per service project and a maximum of 5 hours may be claimed in card making over the four years at LOHS. 5 hours maximum per organization may be claimed for card making.
- Parents cannot verify their student's participation in a service activity.
- Students may NOT submit service hours that are obtained at school during a normal school day or as part of a school sponsored activity.
- Participating in a parade as a member of a group or team does NOT count for service hours, however, volunteering with the parade organization does.
- Club planning, activities and events you belong to at LOHS (or outside) does NOT count for service. That is part of being a member of an organization, not community service.
- Practices, games or sporting events for activities, groups or teams you belong to at LOHS (or outside) does NOT count for service. That is part of being a member, not community service.
- Performances, practices and other operational activities for clubs, classes or groups you belong to DO NOT count for Service Hours.
- Don't limit yourself to just 1 or 2 events or activities. A variety of service experiences allow you to give back to your community, grow as an individual and have a positive influence on others.
- If a denial of hours is received, please read the comments/notes on the entry to know why and what (if anything) can be corrected for approval.

Option 2: Alternative Essay:

- In lieu of completing **20 service hours**, a student may elect to complete an alternative essay. If a student elects this option, a Service Learning Research Request must be submitted prior to the beginning of your senior year. Visit the Career Center or the Service Learning website for more details

Earning Additional High School Credit through Service Learning

Earning Credit - Optional

In addition to the graduation requirement of 20 hours of service, a student may choose to continue to complete additional hours to earn elective high school credit.

A student may choose to earn ½ elective high school credit by completing 90 hours of service, within a calendar year. After ½ elective credit is earned, students may choose to complete this cycle one additional time to allow for a total of 1 elective high school credit to be earned. In addition, to be awarded credit, the student must fulfill the following requirements:

To Earn ½ Elective Credit:

- Request to receive credit must be discussed with and approved by the Service Learning Coordinator and your counselor prior to starting the additional hours.
- 90 service hours (All 90 hours must be completed within one calendar year from the date the first service hour is completed).
- Submit the required activity information and reflection(s) to your x2VOL account for all 90 hours (this may be done as the hours are completed).
- When all hours are completed, submit a one-page written reflection about the Service Learning experience to be reviewed by the LOHS Service Learning Board. Students may be required to meet with the members of the Service Learning Board if additional information is needed.
- After all the above steps are completed and approved, the counseling office will be notified to award ½ credit for Service Learning to the transcript.

To Earn additional 1/2 Elective Credit (for a total of 1 Elective Credit)

Once the initial 1/2 elective credit has been earned, students may apply to earn one additional ½ elective credit. The process for the additional ½ credit will be the same process as the first ½ credit, with additional hours and an additional written reflection.

Students may earn a maximum of 1 elective credit, with service hours, throughout their Lake Orion High School career.

Elective credit hours do not count towards a Service Learning Medal.

Ways to Earn Service Learning Hours:

- Regularly Scheduled Times: Student commits to volunteer a specified number of service hours over a predetermined period of time. For example, every Tuesday from 3:00-5:00 p.m.
- Special Events: Student makes commitment to volunteer with an organization holding an event to benefit the community, such as a fair for kids, a walk for charity, a blood drive, etc.
- Student-Developed Service Projects: A student-generated idea to help a specific organization or group of people. Each project must have the approval of the Service Learning Coordinator prior to implementation.

NCAA ELIGIBILITY

Division I Academic Standards

Division I schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet all the following requirements:

DIVISION I

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA (English, math or science)	SOCIAL SCIENCE	OTHER Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

2. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of the seventh semester. Once you begin your seventh semester, any course that is needed to meet the 10/7 requirement cannot be replaced or repeated.
3. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

Division II Academic Standards

Division II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet all the following requirements:

DIVISION II

MAKE IT YOURS

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA (English, math or science)	SOCIAL SCIENCE	OTHER Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

2. Earn a minimum 2.2 **core-course GPA**.
3. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

SCHEDULING – GENERAL INFORMATION

SCHEDULING - Requirements

- All students must have a full schedule (4.0 credits per semester/8.0 credits for the school year). **Students requesting a schedule change for a current term class may only do so through the fourth day of that term**.
- Students attending Oakland Schools Technical Campuses will be attending each program for half the day and will be allotted four (4) credits per academic year.
- **Some courses may be repeated**; students receive credit for each time these courses are completed.

AP Studio Art (Drawing, 2D, or 3D)	Journalism Yearbook & Honors Yearbook
Broadcast Leadership	Leadership
Educational Careers Credential Experience	Lifeguard Training
Engineering Manufacturing & Research	Marketing Workshop
Exploring Mindfulness	Next Steps Advisors
Exploring Special Ed. In Today's Schools	Powerlifting 2
Honors Architecture	Vocal & Instrumental Music
Honors Television Production Workshop	Writing Corps
Industrial Animation	Yearbook Leadership
Ink & Imagination: Creating a Graphic Novel	

- **Successful completion of each required course is mandatory for graduation.**
- **Transfer** students will receive credit for the total number of credits granted by their sending school
- **Home schooled** students will receive credit for the total number of credits granted only if they were from a recognized, accredited program.

The formula for determining transfer students' graduation credit requirements will be:

Total number of credits possible (from sending school)	**+ Total number of credits possible (from Lake Orion)**	**=**	**Total number credits possible for graduation**

Total number credits possible, minus 2 elective credits = Total credits required for graduation

SCHEDULING – Additional Information

Independent Study - Students may pursue more intensive study in a specific discipline above and beyond the general curriculum in a particular subject area.

- An independent study candidate must begin his/her plans **two terms before** the independent study term takes place.
- Independent study should be considered after all areas of existing curriculum have been explored.
- Students must complete independent study guidelines. Forms must be requested from and discussed with the student's counselor.
- **Student and teacher must write up a complete independent study proposal.**
- **All paperwork must be submitted and approved following all independent study guidelines and deadlines, as stated on the form.**

The following departments are approved for Independent Study:

- Career and Technical Education
- Language Arts
- Mathematics
- Performing Arts
- Physical Education

<u>Honors/Advanced Placement Program</u> - Grades in Honors and Advanced Placement courses are weighted as indicated below:

General Courses

Grade	Pts
A	4
A-	3.7
B+	3.3
B	3
B-	2.7
C+	2.3
C	2
C-	1.7
D+	1.3
D	1
D-	0.7
E	0

Honors Courses

Grade	Pts
A	4.5
A-	4.2
B+	3.8
B	3.5
B-	3.2
C+	2.8
C	2.5
C-	2.2
D+	1.8
D	1.5
D-	1.2
E	0

AP Courses

Grade	Pts
A	5
A-	4.7
B+	4.3
B	4
B-	3.7
C+	3.3
C	3
C-	2.7
D+	2.3
D	2
D-	1.7
E	0

ELECTIVES

A - Courses with (A) in front of the name may be taken to fulfill the Visual, Performing, or Applied Arts requirements.
M –**Senior year**, one course with (M) in front must be passed to fulfill the “Senior Math-Related Course” requirement.
S - Courses with (S) in front of the name would fulfill the "Speaking and Listening" graduation requirement.

A	M	S	Course Title	# of Credits	Grade Offered	Pre-Requisite	Page #
			ADJUNCT COURSES				
			SAT Prep	0.5	11	None	20
			CAREER & TECHNICAL EDUCATION				
			Independent Study	0.5	11,12	Applications	20
			Introduction to Business	0.5	9,10,11,12	None	20
			ARCHITECTURE				
A	M		Architectural Design	1.0	9,10,11,12	None	21
A	M		Honors Architecture	1.0	10,11,12	Architectural Design	21
A	M		Interior Design	0.5	9,10,11,12	None	21
A	M		Interior Design using CAD	0.5	9,10,11,12	None	21
			AUTOMOTIVE				
A	M		Auto 1	1.0	9,10,11,12	None	22
A	M		Auto 2	1.0	9,10,11,12	Auto 1	22
A	M		Auto 3	1.0	10,11,12	Auto 2	22
A	M		Auto 4	1.0	10,11,12	Auto 3	22
			BROADCASTING				
A		S	Broadcast Communications 1	0.5	9,10,11,12	None	23
A		S	Broadcast Communications 2	0.5	9,10,11,12	Broadcast Communications 1	23
A		S	Broadcast Leadership	0.5-1.0	11,12	Honors TPW	23
A		S	Honors Television Production Workshop	2.0	11,12	Application & Broadcast Comm. 1	23
A		S	Sports Broadcasting 1	0.5	10,11,12	Broadcast Communications 1	24
A		S	Sports Broadcasting 2	0.5	10,11,12	Sports Broadcasting 1	24
A		S	Cinema & Video Production	1.0	10,11,12	Broadcast Communications 1	24
			BUSINESS ADMINISTRATION, MANAGEMENT & OPERATIONS				
			Business Administration & Management	0.5	10,11,12	Business Mgmt. & Entrepreneurship	25
			Business Management & Entrepreneurship	1.0	10,11,12	None	25
			COMPUTER PROGRAMMING/PROGRAMMER				
			AP Computer Science A	1.5	9,10,11,12	Algebra 1	26
			Computer Applications	0.5	9,10,11,12	None	26
			Computer Programming	1.0	9,10,11,12	None	26
			Computer Languages	0.5	9,10,11,12	Computer Programming	26
A			Web Languages	0.5	9,10,11,12	Computer Programming	26
			CYBERSECURITY				
			Cybersecurity 1	1.0	10,11,12	None	27
			Cybersecurity 2	1.0	10,11,12	Cybersecurity 1	27
			ENGINEERING				
A	M		Engineering & Design	1.0	9,10,11,12	None	28
A	M		Engineering, Manufacturing & Research	0.5	9,10,11,12	Engineering & Design	28
A	M		Industrial Animation	0.5	10,11,12	None	28
A	M		Mechanical CAD	1.0	9,10,11,12	None	28
			FAMILY & CONSUMER SCIENCE				
			Foods & Nutrition	0.5	9,10,11,12	None	29
			Human Relations	0.5	11,12	None	29

A	M	S	Course Title	# of Credits	Grade Offered	Pre-Requisite	Page #
			Independent Living	0.5	12	None	29
			Parenting	0.5	9,10,11,12	None	29
			FINANCE				
	M		Accounting 1	1.0	10,11,12	None	30
	M		Accounting 2	1.0	11,12	Accounting 1	30
			FUTURE EDUCATORS				
			Child Development	0.5	9,10,11,12	None	31
A			Educational Careers 1	1.0	10,11,12	None	31
A			Educational Careers 2	1.0	10,11,12	Educational Careers 1	31
			Educational Careers Credential Experience	0.5	11,12	Educational Careers 1 & 2	31
			Exploring Special Education in Today's Schools	1.0	11,12	Recommend Educational Careers 1	31
			Fresh Start	0.5	9	Teacher, counselor, or administration recommendation; counselor placement	31
			Fresh Start Cadet	1.0	11,12	Recommend Educational Careers	32
			Next Steps	0.5	9,10,11,12	Teacher, counselor, or administration recommendation; counselor placement	32
			Next Steps Advisors	1.0	11,12	Recommend Educational Careers 1	32
			HEALTH SCIENCE				
			Medical Foundations	1.0	10,11,12	Biology (B- or better)	33
			Medical Foundations II	1.0	11,12	Medical Foundations	33
			Medical Terminology	1.0	10,11,12	Biology (B- or better)	33
			MARKETING & SALES				
A	M		Advanced Marketing Capstone	1.0	11,12	See course description	34
			Fashion Merchandising	0.5	11,12	Marketing	34
A	M		Marketing	1.0	10,11,12	None	34
	M		Marketing Workshop (School Store)	0.5	11,12	Marketing	34
			Sports & Entertainment Marketing	0.5	11,12	Marketing	34
			ENGLISH/LANGUAGE ARTS				
		S	Academic Literacy	0.5	9	QRI Testing, referral by counselor	39
A		S	Creative Writing	0.5	9,10,11,12	None	39
A		S	Debate	0.5	9,10,11,12	None	39
A		S	Film	0.5	10,11,12	None	39
		S	Fundamentals of Writing	0.5	9	Writing Assessment, counselor referral	39
A		S	Honors Yearbook	2.0	11,12	Application	39
			Independent Study	0.5	11,12	Application	39
A		S	Ink & Imagination: Creating a Graphic Novel	0.5	9,10,11,12	None	40
A		S	Introduction to Journalistic Writing	0.5	9,10,11,12	None	40
A		S	Journalism Yearbook	2.0	9,10,11,12	Application	40
A		S	Literature and the Big Screen	0.5	9,10,11,12	None	40
			Literature and the Power of Voice	0.5	12	ELA 11 or AP ELA 11	38
			Literature and the Human Legacy	0.5	12	ELA 11 or AP ELA 11	38
			Literature and the Modern Mind	0.5	12	ELA 11 or AP ELA 11	38
A		S	Literature of Suspense	0.5	9,10,11,12	None	40
A		S	Mythology, Folklore, & Legend	0.5	9,10,11,12	None	40
A		S	Science Fiction	0.5	9,10,11,12	None	40
A		S	Speech	0.5	9,10,11,12	None	41

A	M	S	Course Title	# of Credits	Grade Offered	Pre-Requisite	Page #
A		S	Writing Corps	0.5	11,12	Application	41
A		S	Yearbook Leadership	0.5-1.0	10,11,12	Journalism Yearbook & Application	41
			EXPERIENTIAL EDUCATION				
			Assets	0.5	9,10,11,12	None	42
			Challenges	0.5	11,12	None	42
			Conflict Management	0.5	9,10,11,12	None	42
			Exploring Mindfulness & Mental Fitness	0.5	10,11,12	None	42
			Transitions	0.5	9	None	42
			FINE ARTS				
A			AP Studio Art	1.5	11,12	Application	43
A			Ceramics 1	0.5	9,10,11,12	None	43
A			Ceramics 2	0.5	9,10,11,12	Ceramics 1	43
A			Ceramics 3	0.5	9,10,11,12	Ceramics 2	43
A			Ceramics 4	0.5	9,10,11,12	Ceramics 3	43
A			Ceramics 5	0.5	10,11,12	Ceramics 4	43
A			Design Concepts	0.5	9,10,11,12	None	43
A			Drawing 1	0.5	9,10,11,12	None	44
A			Drawing 2	0.5	9,10,11,12	Drawing 1	44
A			Drawing 3	0.5	10,11,12	Drawing 2	44
A			Drawing 4	0.5	10,11,12	Drawing 3	44
A			Graphic Design & Digital Art 1	0.5	9,10,11,12	Design Concepts or Drawing 1	44
A			Graphic Design & Digital Art 2	0.5	9,10,11,12	Graphic Design & Digital Art 1	44
A			Graphic Design & Digital Art 3	0.5	10,11,12	Graphic Design & Digital Art 2	44
A			Jewelry & Metal Art 1	0.5	9,10,11,12	None	44
A			Jewelry & Metal Art 2	0.5	9,10,11,12	Jewelry & Metal Art 1	45
A			Jewelry & Metal Art 3	0.5	9,10,11,12	Jewelry & Metal Art 2	45
A			Painting - Oils	0.5	9,10,11,12	Drawing 1	45
A			Painting - Watercolors	0.5	9,10,11,12	Drawing 1	45
A	M		Perspective	0.5	12	Drawing 2	45
A			Photography 1	0.5	10,11,12	Design Concepts or Drawing 1	45
A			Photography 2	0.5	10,11,12	Photography 1	46
A			Printmaking	0.5	9,10,11,12	Design Concepts or Drawing 1	46
A			Raku Pottery	0.5	9,10,11,12	Ceramics 2	46
A			Raku Pottery 2	0.5	9,10,11,12	Raku 1	46
A			Sculpture	0.5	9,10,11,12	None	46
			MATHEMATICS				
	M		Algebra 1	1.0	9,10,11,12	Math 8 or teacher recommendation	48
	M		Algebra 2	1.0	9,10,11,12	Geometry	48
	M		Algebra 3	1.0	9,10,11,12	Algebra 2 and Geometry	48
	M		AP Calculus AB	1.5	11,12	Honors Pre-Calculus or Pre-Calculus	48
	M		AP Calculus BC	2.0	11,12	Honors Trigonometry, Honors Pre-Calculus	48
	M		Calculus	1.0	11,12	Pre-Calculus	48
	M		Explorations in Data Science	1.0	10,11,12	Algebra 1	49
	M		Geometry	1.0	9,10,11,12	Algebra 1	49
	M		Honors Advanced Algebra	1.0	9,10,11,12	Honors Geometry	49
	M		Honors Geometry	1.0	9,10,11,12	8th grade Algebra 1	49

A	M	S	Course Title	# of Credits	Grade Offered	Pre-Requisite	Page #
	M		Honors Pre-Calculus	1.0	10,11,12	Honors Trigonometry	49
	M		Honors Trigonometry	1.0	9,10,11,12	Honors Adv. Algebra & Honors Geometry	49
	M		Independent Study	0.5	11,12	Application	49
	M		Introduction to Statistics	0.5	9,10,11,12	Algebra 1	50
	M		Math Lab	1.0	9,10	Enrolled in Algebra 1-Year Long & referral by counselor or teacher	50
	M		Numbers, Games & Heroes	0.5	12	Algebra 2	50
	M		Pre-Calculus	1.0	10,11,12	Algebra 3	50
	M		Strategy Game Design	1.0	11,12	None	50
			PERFORMING ARTS				
			DRAMA				
A		S	Acting 1	0.5	9,10,11,12	None	51
A		S	Acting 2	1.0	9,10,11,12	Acting 1	51
A			Independent Study - Drama	0.5	11,12	Application	51
A			Intro to Technical Theatre	1.0	9,10,11,12	None	51
A		S	Intro to Theatre	0.5	9,10,11,12	None	51
			MUSIC				
A			Independent Study - Music	0.5	11,12	Application	51
A			Music Theory	0.5	10,11,12	See course description	52
A			Campus Band	1.0	9,10,11,12	None	52
A			Concert Band	2.0	9,10,11,12	Audition for 9th graders	52
A			Marching Band	0.5	9,10,11,12	None	52
A			Symphonic Band	1.5	9,10,11,12	Audition	52
A			Wind Ensemble	1.5	10,11,12	Audition	53
A			Campus Choir	1.0	9,10,11,12	None	53
A			Chamber Choir	2.0	10,11,12	Audition	53
A			Chorale	2.0	10,11,12	Audition	53
A			Concert Choir	2.0	10,11,12	Audition	53
			PHYSICAL EDUCATION				
			Aquatic Activities	0.5	10,11,12	Physical Education or Adv. Phys. Educ.	54
			Basic Swimming	0.5	9,10,11,12	Physical Education or Adv. Phys. Educ.	54
			Cross Training	0.5	10,11,12	Physical Education or Adv. Phys. Educ.	54
			Fundamentals of Weight Training	0.5	9,10,11,12	Physical Education or Adv. Phys. Educ.	54
			Independent Study	0.5	11,12	Application	55
			Lifeguard Training	0.5	10,11,12	Physical Education or Adv. Phys. Educ.	55
			Lifelong Activities 1	0.5	9,10,11,12	Physical Education or Adv. Phys. Educ.	55
			Lifelong Activities 2	0.5	9,10,11,12	Lifelong Activities 1	55
			Power Lifting Class 1	0.5	10,11,12	Physical Education or Adv. Phys. Educ.	55
			Power Lifting Class 2	0.5	10,11,12	Power Lifting Class 1	55
			Sports Conditioning 1	0.5	10,11,12	Physical Education or Adv. Phys. Educ.	55
			Sports Conditioning 2	0.5	10,11,12	Sports Conditioning 1	55
			Sports Officiating	0.5	10,11,12	Physical Education or Adv. Phys. Educ.	55
			Strength & Conditioning - Women only	0.5	10,11,12	Physical Education or Adv. Phys. Educ.	56
			Team Sports 1	0.5	9,10,11,12	Physical Education or Adv. Phys. Educ.	56
			Team Sports 2	0.5	9,10,11,12	Team Sports 1	56

A	M	S	Course Title	# of Credits	Grade Offered	Pre-Requisite	Page #
			SCIENCE				
	M		AP Biology	1.5	10,11,12	Biology	57
	M		AP Chemistry	1.5	10,11,12	Honors Chemistry	57
			AP Environmental Science	1.0	11,12	Earth Science or Earth Science co-requisite	57
	M		AP Physics 1	1.5	10,11,12	Biology	58
	M		AP Physics 2	1.5	11,12	AP Physics 1	58
			Astronomy	0.5	10,11,12	None	58
			Biology	1.0	9,10,11,12	None	58
	M		Chemistry	1.0	10,11,12	Physical Science	58
			Earth Science	1.0	10,11,12	Biology	58
	M		Forensic Science I	0.5	11,12	Biology	58
	M		Forensic Science II	0.5	11,12	Forensic Science 1	58
			Geology	0.5	10,11,12	None	59
	M		Honors Chemistry	1.0	10,11,12	Biology and Algebra 1	59
			Honors Human Anatomy & Physiology	1.0	10,11,12	Biology & Chemistry or Hon. Chem.	59
			Honors Organic Chemistry	0.5	10,11,12	Honors Chemistry	59
			Honors Physics	1.0	9,10,11,12	Biology & Geometry/Honors	59
			Physical Science	1.0	9,10,11,12	Biology	59
			Physics	1.0	10,11,12	Physical Science and Algebra 1	60
			Zoology	1.0	10,11,12	Biology	60
			SOCIAL STUDIES				
			20th Century American Pop Culture	0.5	10,11,12	None	61
			Abnormal Psychology	0.5	11,12	None	61
			African American History	0.5	10,11,12	None	62
			AP European History	1.5	10,11,12	None	62
	M		AP Macroeconomics	0.5	11,12	None	62
	M		AP Microeconomics	0.5	11,12	None	62
			AP Psychology	1.0	11,12	None	62
			AP United States Government & Politics	1.0	11,12	None	63
			AP United States History	1.5	10,11,12	None	63
			AP World History	1.5	9,10,11,12	None	63
			Contemporary Social Problems	0.5	10,11,12	None	63
			Current Global Issues	0.5	12	None	64
			History of Ethnic and Gender Studies	0.5	10,11,12	None	64
			History Through Film	0.5	9,10,11,12	None	64
			History of World Religions	0.5	9,10,11,12	None	64
			Introduction to Psychology, Part 1	0.5	9,10,11,12	None	64
			Introduction to Psychology, Part 2	0.5	9,10,11,12	Introduction to Psychology, Part 1	64
			Introduction to Sociology	0.5	10,11,12	None	65
			Leadership 9	0.5	9	None	65
A			Leadership Development Workshop	0.5	10,11,12	None	65
	M		Money and Investments	0.5	11,12	Economics, AP Micro, or AP Macro	65
			WORLD LANGUAGES				
			French 1	1.0	9,10,11,12	None	69
			French 2	1.0	9,10,11,12	French 1	69
			French 3	1.0	9,10,11,12	French 2	69

A	M	S	Course Title	# of Credits	Grade Offered	Pre-Requisite	Page #
			French 4	1.0	9,10,11,12	French 3	70
			Advanced French Grammar & Literature (Not offered 2026-2027)	1.0	9,10,11,12	French 4	70
			Advanced French Language & Culture (Not offered 2026-2027)	1.0	9,10,11,12	French 4	70
			German 1	1.0	9,10,11,12	None	70
			German 2	1.0	9,10,11,12	German 1	70
			German 3	1.0	9,10,11,12	German 2	70
			German 4	1.0	9,10,11,12	German 3	70
			AP German Language & Culture	1.0	9,10,11,12	German 4	71
			Spanish 1	1.0	9,10,11,12	None	71
			Spanish 2	1.0	9,10,11,12	Spanish 1	71
			Spanish 3	1.0	9,10,11,12	Spanish 2	71
			Spanish 4	1.0	9,10,11,12	Spanish 3	71
			Spanish 5	1.0	9,10,11,12	Spanish 4	71
			AP Spanish Language & Culture	1.0	11,12	Spanish 5	71
			OAKLAND SCHOOLS TECHNICAL				
A	M		Agriscience & Environmental Technologies	4.0	11,12	Application	74
A	M		Automotive Technology	4.0	11,12	Application	74
A	M		Collision Repair and Refinishing	4.0	11,12	Application	74
A	M		Computer Programming	4.0	11,12	Application	74
A	M		Construction Technology	4.0	11,12	Application	74
A	M		Cosmetology	4.0	11,12	Application	75
A	M		Culinary Arts/Hospitality	4.0	11,12	Application	75
A	M		Energy - Electrical Technology	4.0	11,12	Application	75
A	M		Engineering/Robotics/Mechatronics	4.0	11,12	Application	75
A	M		Entrepreneurship & Advanced Marketing	4.0	11,12	Application	75
A	M		Graphic & Communication Design	4.0	11,12	Application	75
A	M		Health Sciences	4.0	11,12	Application	75
A	M		Machining	4.0	11,12	Application	76
A	M		Welding	4.0	11,12	Application	76

COURSE DESCRIPTIONS

ADJUNCT COURSES

SAT PREP
0.5 credit, grade 11
SAT Prep Class is designed to help students improve scores on standardized tests. Each student takes the SAT to collect baseline data in Critical Reading, Mathematics and Writing subsections. They then learn test taking strategies, take several practice tests in each subsection, and build a portfolio showcasing their improvement.

CAREER AND TECHNICAL EDUCATION

CAREER FOUNDATIONS
0.5 credit, grade 9-12 (REQUIRED)
The focus of this course is to help students envision and plan for their future. Using technology to enhance and further develop their core 21st Century skills, students will identify a means of attaining the career and lifestyle they desire by performing self-reflection, career exploration, and employability activities. Students will also research and develop a relevant and meaningful plan of action for themselves that makes the connection between their remaining years in high school, post-high school training/education and their desired lifestyle goals.

INDEPENDENT STUDY
0.5 credit, grades 11-12 Prerequisite: Application
This course is designed for the student in grades 11-12 who desires a more intensive study in a particular discipline than the general curriculum provides. Before the term begins, each student must submit a work-study plan for the term signed by his/her parents/guardian. Upon approval, copies will be held by the student, teacher and their counselor. Weekly student-teacher conferences will be arranged to monitor the student's progress. The final project may be evaluated by the entire department before a grade is granted.

INTRODUCTION TO BUSINESS
0.5 credit, grades 9-12
This introductory business course is designed to acquaint students with the day-to-day activities associated with business operations and provide the framework for pursuing additional business courses through hands-on activities and lessons. Students will develop a basic understanding of general business, economics, entrepreneurship, business communications, business ethics, marketing, digital design, web page, business finance and computer programming. Students will be able to explore in greater detail each of these topics in our Lake Orion High School Career and Technical Education Program offerings (Business Administration, Finance, and Marketing).

PERSONAL FINANCE & CONSUMER ECONOMICS
0.5 credit, grade 12 (REQUIRED)
Students will learn to become financially responsible, conscientious members of society. To reach that end, this course develops students' understanding and skills in such areas as money management, budgeting, financial goal attainment, the wise use of credit, insurance, and investments. This course will give students the tools and resources needed to make wise financial decisions. Students will analyze their personal financial decisions, evaluate the costs and benefits of their decisions, and apply the knowledge learned to financial situations encountered later in life. In addition, students will create their Career Focused portfolio and prepare for their Senior Interview.

ARCHITECTURE

To fulfill the following CTE programs, students must successfully complete the below mentioned course with an average of a B or better. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

ARCHITECTURAL DESIGN
1.0 credit, grades 9-12 (Senior Math-Related Course)
This course begins with the study of residential design and provides instruction in utilizing various CAD software and hand drawing techniques as it relates to the architectural industry. Each student will have the opportunity to combine their creativity with the practicality of floor plans, elevations, plot plan specifications, and interior design, to create a single family home complete with a virtual tour. Student may also become members of the Michigan Industrial & Technology Education Society (MITES) and enter their work into the yearly student project competition.

HONORS ARCHITECTURE
1.0 credit, grades 10-12 (Senior Math-Related Course) Prerequisite: Architectural Design
Students will refine and apply skills and ideas they develop in the Architectural Design course to produce three-dimensional architectural models, renderings, and floor plans. A successful collection is made up of creative work that displays strong conceptualization and visualization skills, evidence of critical thinking and design development, and an overall intellectual curiosity.

INTERIOR DESIGN
0.5 credit, grades 9-12 (Senior Math-Related Course)
Prerequisite: None (Both Interior Design courses may be taken in any order)
In this course, students will learn about the Elements of Design, Color in Design, Principles of Design, History of Design, Textiles, Surface Materials, and Treatments. Students will apply what they learned by creating Digital Presentation Boards and build, by hand, an Interior Scale Model. The ability to think creatively and articulate design ideas will be emphasized. Student may also become members of the Michigan Industrial & Technology Education Society (MITES) and enter their work into the yearly student project competition.

INTERIOR DESIGN USING COMPUTER AIDED DRAFTING (CAD)
0.5 credit, grades 9-12 (Senior Math-Related Course)
In this course, Various Computer Aided Drafting (CAD) software's will be learned to aid in the exploration of the spatial and aesthetic concerns of Interior Design. Students will apply what they learned by creating Digital Presentation Boards depicting floor plans, elevations, and computer-generated 3D models. The ability to think creatively and articulate design ideas will be emphasized. Student may also become members of the Michigan Industrial & Technology Education Society (MITES) and enter their work into the yearly student project competition.

ARCHITECTURAL DESIGN INTERNSHIP **(See page 35 for course description.)**

AUTOMOTIVE

<u>AUTOMOTIVE PROGRAM</u> - To fulfill this CTE program, Auto 1, 2, 3, & 4 must be successfully completed with an average of a B or better. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

Lake Orion High School offers a NATEF (National Automotive Technicians Education Foundation) recognized program of Automotive Technology. ASE (Automotive Service Excellence) Certification tests are available for students to take upon program completion.

AUTO 1
1.0 credit, grades 9-12 (Senior Math-Related Courses)
Auto 1is an introductory course designed for those who enjoy working hands-on. Students will gain a basic understanding of automotive shop safety, tools and equipment, automotive maintenance, and vehicle safety inspections. Students will also learn how math is used in the automotive field and the value of employability skills. Students will get a brief look at automotive brake systems, steering and suspension, electrical systems, and welding. Students will also complete mandatory safety training.

AUTO 2
1.0 credit, grades 9-12 (Senior Math-Related Courses) Prerequisite: Auto 1
Auto 2 takes a closer look at function and repair of automotive brake, steering and suspension, and electrical systems. Students will get brief exposure to automotive heating and air-conditioning and engine performance. Students will have the option to become certified in these areas. Students will also learn how math is used in the automotive field and the value of employability skills. Mandatory safety training will be updated as well.

AUTO 3
1.0 credit, grades 10-12 (Senior Math-Related Courses) Prerequisite: Auto 2
Auto 3 dives further in depth into the mechanical workings of an automobile. Students will explore engine repair, heating and air conditioning, and engine performance. Students will get brief exposure to manual transmissions, automatic transmissions, plus dive deeper into engine performance diagnostics. Students will have the option to become certified in these areas. Students will also update their safety training and create a resume.

AUTO 4
1.0 credit, grades 10-12 (Senior Math-Related Courses) Prerequisite: Auto 3
Auto 4 gives students an understanding of the function and repair manual transmissions and automatic transmissions. They will get a closer look at engine repair, engine performance, and heating and air conditioning. We will also review all the previous sections and study for ASE and state certification tests for the option to become certified. Students will also complete or update mandatory safety training and complete a resume.

AUTOMOTIVE INTERNSHIP **(See page 35 for course description.)**

BROADCASTING

<u>BROADCASTING PROGRAM</u> - To fulfill this CTE program, courses must be successfully completed with an average of a B or better within a specific tier. Please see the instructor for additional details. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

BROADCAST COMMUNICATIONS 1
0.5 credit, grades 9-12 (Satisfies Speaking & Listening requirement)
Broadcast Communications 1 serves as the introductory course in the LOHS Dragon Broadcast program, named the Nation's Best Overall Program by the NFHS Network. By creating productions in our radio/podcast and television studios, you learn the behind-the-scenes, technical, and performance techniques of broadcasting. You begin to explore and analyze the history, evolution, and current status of broadcasting and its impact on our society. You also examine current broadcast programs and enhance your media literacy. This course serves as a prerequisite for all other broadcast/video courses offered at LOHS. Additionally, this class can help fulfill your Graduation Requirements in "Visual, Performing, & Applied Arts" and/or in "Speaking & Listening".

BROADCAST COMMUNICATIONS 2
0.5 credit, grades 9-12 (Satisfies Speaking & Listening requirement)
Prerequisite: Broadcast Communications 1 and can be taken concurrently with TPW
You will build upon the technical and performance concepts of television and radio communications. Experience what it takes to be a news anchor. Do you think you would be a great sportscaster or talk show host? This is an opportunity for you to try these roles and more. Additionally, you will continue to add to your knowledge of media literacy, and you will explore the impact of historical broadcasts. In addition, you will examine the next horizon of broadcasting including satellite radio and podcasting. This is a performance course and requires time spent writing and rehearsing.

BROADCAST LEADERSHIP
0.5 credit, grades 11-12 (Satisfies Speaking & Listening requirement) Co-requisite: Television Production Workshop
Broadcast Leadership provides an additional opportunity for Television Production Workshop (TPW) students to learn about the management and organization of program production. Broadcast Leadership students serve as the producers of the high school's daily newscast, LO-AM, and other productions. Broadcast Leadership students improve personal communication, leadership, time management, writing and media literacy skills. This course fulfills the LOHS Visual Performing and Applied Arts graduation requirement.

HONORS TELEVISION PRODUCTION WORKSHOP
2.0 credits, grades 11-12 (Satisfies Speaking & Listening requirement) Prerequisite: Application process and successful completion of Broadcasting 1
The Television Production Workshop (TPW) is the capstone class of the LOHS broadcast/video program. The TPW class produces programs for the school and community, including but not limited to the live newscast "LO-AM", live sports/event broadcasts, and podcasts. The TPW group has been recognized annually with awards at the state and national level, and the students are expected to exceed expectations while studying the techniques and disciplines of live TV production. TPW members improve personal communication, leadership, time management, writing, and media literacy skills. They actively and consciously write, view, speak and listen. Television production is a team effort, and TPW members have various opportunities to practice skills needed for successful group dynamics. TPW students are not required to perform in front of the camera, and they are not required to have career goals in the broadcasting/video field. TPW meets the LOHS "Speaking and Listening" and "Visual, Performing, and Applied Art" Graduation requirements.
TPW students can apply for ONTV-certification. TPW is considered an "Honors" course on the LOHS grading scale. All LOHS sophomores and juniors are welcome to apply to the course.

SPORTS BROADCASTING & COMMUNICATIONS 1
0.5 credit, grades 10-12 (Satisfies Speaking & Listening requirement)
Prerequisite: Broadcasting Communications 1 and can be taken concurrently with TPW
Apply modern broadcast techniques while live-streaming numerous high school sports. You will create live multi-camera broadcasts with roles in graphics, statistics, audio, technical directing, directing, and on-air commentating. These broadcasts will be portfolio quality for anyone who want to apply to post-secondary journalism programs or apply for a job in the broadcast journalism industry. In addition to sports broadcasting, you will also examine other forms of sports communication, including shooting & editing sports highlights, producing podcasts, writing sports stories for the web, writing press releases, and public address announcing. You must be able to stay after school into the evening at least once every 2 weeks to work on the actual broadcasts (scheduled in advance). Student-athletes can take this class with careful planning of their after-school schedules. (You do not need to be a sports expert, you are not required to perform in front of the camera, and you are not required to have career goals in the sports/broadcasting/video field. But you do need to be open-minded and willing to try new roles!)

SPORTS BROADCASTING & COMMUNICATIONS 2
Prerequisite: Sports Broadcasting Communications 1 OR can be taken concurrently with TPW
0.5 credit, grades 10-12 (Satisfies Speaking & Listening requirement)
Continue your learning in the world of sports-related broadcasting and communication. Students in this course learn more advanced production techniques and are provided a variety of leadership opportunities. You will also continue to practice the roles associated with live multi-camera broadcasts, including graphics, statistics, audio, technical directing, directing, and on-air commentating. The focus on shooting & editing sports highlights, producing podcasts, writing sports stories for the web, writing press releases, and public address announcing also extends from the previous course. Students have the opportunity to become nationally certified public address announcers as part of the course. The class culminates with creating your own online portfolio of your best work in your best roles, which may include behind-the-scenes and on-the-air. You must be able to stay after school into the evening at least once every 2 weeks to work on the actual broadcasts (scheduled in advance). Student-athletes can take this class with careful planning of their after-school schedules. (You do not need to be a sports expert, you are not required to perform in front of the camera, and you are not required to have career goals in the sports/broadcasting/video field. But you do need to be open-minded and willing to try new roles!)

Cinema & Video Production
1.0 credit, grades 10-12 (Satisfies Speaking & Listening requirement) Prerequisite: Broadcast Communications 1
Cinema & Video Production focuses on scripted/planned series and films. From brainstorming project ideas to the final product, several aspects of cinema/video production are featured. This includes pre-production (screenwriting, scouting locations, finding on-screen talent, storyboarding), production (shooting/camerawork, lighting, sound, directing), and post-production (editing and distribution). Students create several projects which they plan, shoot, and edit; these include short films, music videos, and more. All necessary equipment and software is supplied to students. Upon successful completion of the class, Cinema & Video Project students can apply for certification from Orion Neighborhood Television. Student work may be entered in scholarship contests and/or film festivals.

BROADCASTING INTERNSHIP **(See page 35 for course description.)**

BUSINESS ADMINISTRATION, MGMT. & OPERATIONS

<u>BUSINESS ADMINISTRATION PROGRAM</u> - To fulfill this CTE program, Business Management & Entrepreneurship and Business Administration & Management must be successfully completed with an average of a B or better. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

BUSINESS ADMINISTRATION & MANAGEMENT
0.5 credit, grades 10-12
Prerequisite: Business Management and Entrepreneurship
This course allows students to utilize organizational effectiveness in business settings. Managers make decisions and direct resources within business functions that may include recruiting, training and development, dispute resolution and other human resource issues. Professionals who can analyze, manage, and resolve contemporary management issues are always in demand and are a critical component of any successful organization. In addition to a foundation in business law and Human Resources, students will examine the formulation, interpretation, and application of law to business through the study of ethical issues that arise in contemporary business settings, including professional conduct and corporate social responsibility.

BUSINESS MANAGEMENT AND ENTREPRENEURSHIP
1.0 credit, grades 10-12
Business Management and Entrepreneurship provides students a solid foundation of knowledge into the world of business. This extensive introduction into business management concepts and principles allows students the opportunity to look at how businesses are established, e-commerce, basic marketing, financial operations, managing, and developing employees in the fast-paced and ever-changing business atmosphere. This course will be approached from the entrepreneurial and management perspective, where students will employ entrepreneurial discovery strategies to develop a concept for a new business venture by developing a business plan to meet company needs by developing conceptual and professional presentation techniques.

BUSINESS ADMINISTRATION, MANAGEMENT & OPERATIONS INTERNSHIP/CO-OP (See page 35 for course description.)

COMPUTER PROGRAMMING/PROGRAMMER

<u>COMPUTER PROGRAMMING PROGRAM</u> - To fulfill this CTE program, Computer Programming, Computer Languages & Web Languages must be successfully completed with an average of a B or better. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

AP COMPUTER SCIENCE A
1.5 credits, grades 9-12
Prerequisite: Algebra 1
This course is specifically designed to meet the requirements of the AP Computer Science A exam. Students who enroll should have a solid foundation in computer technology and be highly motivated and responsible. Topics will include: components of the Java language, classes, objects, methods, arrays, recursion, abstract data types, data structures, applets, and swing. Students have the option of taking the Advanced Placement test in the spring.

COMPUTER APPLICATIONS
0.5 credit, grades 9-12
Computers are prevalent in education and business today, and its imperative students learn to use these resources accurately. Students will complete this course to gain a fundamental understanding of computer operations with a concentration in the Microsoft Office Suite (Word, Excel, Access, PowerPoint, and OneDrive).

COMPUTER PROGRAMMING
1.0 credit, grades 9-12
Students wanting to understand the intricacies of computer programs should take this class, leading to a foundational career in coding. Using current programming languages, students will learn the concepts of Object-Oriented programming. Topics include using forms and arithmetic, analyzing data, interactive programs, logic, problem solving, security, external files, menus, working with data, classes and objects, and mathematical and business functions with project planning.

COMPUTER LANGUAGES
0.5 credit, grades 9-12
Prerequisite: Computer Programming
Programming languages continue to grow at a rate greater than spoken languages. Understanding multiple languages continues to become an increasing requirement in the computer science field. Students will expand their knowledge in modern day computer languages. Class will culminate with a team project using the language(s) of choice by student team.

WEB LANGUAGES
0.5 credit, grades 9-12
Prerequisite: Computer Programming
The need for understanding the language of the World Wide Web continues to increase. Web 2.0 and web applications continue to dominate the marketplace. Web languages affect the industry of tomorrow. Through this class, students will gain knowledge of HTML5, CSS, JavaScript and WordPress. Class will culminate with a team project using the language(s) of choice by student team.

COMPUTER PROGRAMMING/PROGRAMMER INTERNSHIP **(See page 35 for course description.)**

CYBERSECURITY

<u>CYBERSECURITY PROGRAM</u> - To fulfill this CTE program, Cybersecurity 1 & 2 must be successfully completed with an average of a B or better. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

CYBERSECURITY 1
1.0 credit, grades 10-12
Cybersecurity 1 focuses on the evolving and pervasive technological environment with an emphasis on securing personal, organizational, and national information, exploring cybersecurity in a way that matters to you. Learn how to protect your personal data and privacy online and using social media, and why more and more IT jobs require cybersecurity awareness and understanding.

CYBERSECURITY 2
1.0 credit, grades 10-12
Prerequisite: Cybersecurity 1
Students gain competitive skills required to administer, analyze, and secure applications, networks, and devices. Students will understand concepts that include threats, attacks, and vulnerabilities; exploring technology and tools; examining architecture and designs; analyzing identity and access management; demonstrating risk management; and examining cryptography and public key management.

COMPUTER AND INFORMATION SYSTEMS SECURITY / INFORMATION ASSURANCE (See page 35 for course description.)

ENGINEERING

ENGINEERING PROGRAM - To fulfill the following CTE programs, students must successfully complete the below mentioned course with an average of a B or better. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

Engineering Program – Engineering & Design Mechanical CAD Program – Mechanical CAD

ENGINEERING & DESIGN
1.0 credit, grades 9-12 (Senior Math-Related Course)
This course is offered to students who have had little or no experience with Engineering and Computer Aided Drafting (CAD). It will prepare students with an understanding of drafting and design techniques as dictated by the manufacturing and engineering industries. Advanced skills are developed in the use of computer aided drafting software. In this class, students use tools and methods common to the engineering profession to build and test structures and mechanisms. Problem solving strategies and integrated thinking are used to determine optimal designs such as bridges, towers, and more. Scale models of design solutions are built, tested, analyzed and evaluated. Students will work collaboratively on various engineering related hands-on projects to reinforce what was taught.

ENGINEERING, MANUFACTURING & RESEARCH
0.5 credit, grades 9-12 (Senior Math-Related Course)
Prerequisite: Engineering & Design (formerly Engineering & Design 2)
This course is offered to students who would like to further their Engineering & Design skills. Students will apply the engineering design process previously taught that emphasizes open-ended problem solving and encourages students to learn from failure. Students will create innovative solutions to projects and/or challenges that interests them. Students will strengthen their understanding of open-ended design as they work to brainstorm new ideas, apply science and math concepts, test prototypes and analyze data—and aim for creativity and practicality in their solutions. This course is Project-based and will engage students and foster STEM literacy. Students will be able to use various CAD software, hand tools, power tools, 3D Printers, Laser cutter and/or a CNC router. Students may also become members of the Michigan Industrial & Technology Education Society (MITES) and enter their work into the yearly student project competition. Due to the depth of study, this course may be repeated for credit.

INDUSTRIAL ANIMATION
0.5 credit, grades 10-12 (Senior Math-Related Course)
This course provides a fundamental understanding of utilizing 3D animation software. Hands-on exercises throughout the course demonstrate the modeling process using techniques that can be applied to the mainstream drafting industries: 3D Animation, Character Design and Creation, Character Animation, Animation Production, Model Creation for Games, Production. Students may also become members of the Michigan Industrial & Technology Education Society (MITES) and enter their work into the yearly student project competition.

MECHANICAL CAD
1.0 credit, grades 9-12 (Senior Math-Related Course)
This semester course prepares students with an understanding of drafting and design techniques as dictated by the manufacturing and engineering industries. Advanced skills are developed in the use of computer aided drafting software. In this class, students use tools and methods common to the engineering profession to build and test structures and mechanisms. Problem solving strategies and integrated thinking are used to determine optimal designs such as cranes, vehicles, drones and more. Engineering designs are developed using computer aided drafting and design software. Scale models of design solutions are built, tested, analyzed, and evaluated.

ENGINEERING / ARCHITECTURE INTERNSHIP **(See page 35 for course description.)**

FAMILY & CONSUMER SCIENCE

Note: Courses in Family & Consumer Science do not fulfill a CTE Program or Curriculum.

FOODS AND NUTRITION
0.5 credit, grades 9-12
This course is designed for students interested in the study of foods who have had little or no previous foods experience. In this course, students will learn the basics of food preparation, the basic principles of cooking including correct measuring techniques, cooking terms, food sanitation and safety, and how to follow a recipe. Students will cook a variety of foods, including stir-fry, pasta, pancakes, pizza, yeast breads, casseroles, etc. Other topics of study include an in-depth look at nutrition basics, health and wellness, meal planning, and a research project/demonstration on global foods.

HUMAN RELATIONS
0.5 credit, grades 11-12
Human Relations will explore the topics of self-potential, communication, diversity, tolerance, family dynamics, dating, love, marriage, divorce and much more. The result of this class will be learning skills necessary to build successful and effective relationships with friends, co-workers, significant others, and family members.

INDEPENDENT LIVING
0.5 credit, grade 12
Are you planning on living on your own? This course is designed to help students accomplish this in the best possible way. Emphasis will be placed on learning your legal rights at age 18, cost budgeting involved in living on your own, wise housing choices, tips on buying and maintaining your wardrobe, meal planning for one, two or more people and how and when to shop for large ticket items. Other topics covered will be decision making, consumer rights, money management, choosing a roommate and tips on inexpensive decorating.

PARENTING
0.5 credit, grades 9-12
This course will help prepare students for the many issues they will face when they become parents. Topics of study will include learning about children and families, effective parenting skills, teen pregnancy and parenthood, prenatal development, preparing for birth, the baby's arrival, and care of the newborn child through the preschool years. Students are given the opportunity to apply their learning by engaging in a baby simulation project.

FAMILY & CONSUMER SCIENCE INTERNSHIP **(See page 35 for course description.)**

FINANCE

<u>FINANCE PROGRAM</u> - To fulfill this CTE program, Accounting 1 & 2 must be successfully completed with an average of a B or better. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

ACCOUNTING 1
1.0 credit, grades 10-12 (Senior Math-Related Course)
Accounting prepares students for a variety of careers in the accounting field. The monthly dollars and cents of a business will be tracked throughout the accounting system, ending with the financial statement analysis, and closing down the ledger. Financial information will be processed both manually and with the use of accounting and spreadsheet software. Upon completion of this class, students will possess the skills to meet entry-level job classifications in the accounting field.

ACCOUNTING 2
1.0 credit, grades 11-12 (Senior Math-Related Course) Prerequisite: Accounting 1
Students in advanced accounting will learn to analyze financial records and prepare fiscal period reports. Partnerships, corporations, cost accounting and payroll procedures will also be covered. Students will increase their knowledge and skills using accounting software to solve and compliment accounting tasks. Current business trends are discussed, and the stock market will be explored. Successful completion of this course will prepare students for an accounting/business curriculum at the college level.

FINANCE INTERNSHIP/CO-OP **(See page 35 for course description.)**

FUTURE EDUCATORS

<u>FUTURE EDUCATORS PROGRAM</u> - To fulfill this CTE program, Educational Careers 1 & 2 must be successfully completed with an average of a B or better. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

CHILD DEVELOPMENT
0.5 credit, grades 9-12
Child Development is a course where students will study growth and development for children through adolescence. Meeting children's physical, intellectual, emotional, and social needs will be the focus. Students will also learn about social emotional learning strategies, child development theorists and learning styles. An opportunity for observation in a school aged setting will also be provided. Students who have goals of working with children in careers such as education or human services are encouraged to take this course.

EDUCATIONAL CAREERS 1
1.0 credit, grades 10-12
Educational Careers 1 is the first course of the Educational Careers Program. This is a course designed for students interested in pursuing a career in the educational field and/or getting an inside glimpse at the world of teaching. Students will examine and research the topics of educational history, schooling options, and the certification process.
Students will also study and practice teaching methodologies and strategies, lesson planning and classroom management. Students will participate in observing and assisting in a classroom setting.

EDUCATIONAL CAREERS 2
1.0 credit, grades 10-12
Prerequisite: Educational Careers 1
This course is designed for students who wish to continue to explore the education field. In addition to continuing the exploration of the educational process, students will gain hands-on field experience working in a classroom at the early childhood, elementary, or middle school level. Approximately 50% of this course will be spent in the field at placements where students will participate in many activities, including observing, tutoring, leading small groups, preparing a classroom, creating special projects, and eventually developing and teaching a lesson of their own. Students will also be responsible for turning in weekly attendance sheets, writing reflective journals, attending weekly class meetings, and completing a field experience portfolio. This course will also students to start the process of working towards earning a CDA or MI-YDA certificate or credential.

EDUCATIONAL CAREERS CREDENTIAL EXPERIENCE
0.5 credit, grades 11-12
Prerequisite: Educational Careers 1 & 2
This course is designed for students to continue the CDA or MI-YDA certificate or credential opportunities and requirements. Students will spend majority of the time working in the field to gain hours and working on the completion of their certificate/ credential portfolio. This course can be taken more than once to continue to gain hours towards certificate/credential requirements.

EXPLORING SPECIAL EDUCATION IN TODAY'S SCHOOLS
1.0 credit, grades 11-12
Prerequisite: Completion of Educational Careers 1 is preferred
This course is designed for students who are interested in pursuing a career in Special Education and/or related services. Units include history of special education, special education laws, individualized education plans (IEPs), special education processes, strategies for working with students, inclusion, as well as exploration of a variety of career possibilities. In addition to the coursework, students in this course will apply what they have learned in daily field placements.

FRESH START
0.5 credit, grade 9
Prerequisite: Teacher, counselor, or administrator recommendation; counselor placement
This course is designed to assist identified freshmen with the transition to high school. Freshmen enrolled in this course will receive daily assistance with academic support and organizational skills. Fresh Start will also focus on building ongoing positive peer interaction with the upperclassmen enrolled in the Fresh Start Cadet course.

FRESH START CADET
1.0 credit, grades 11-12
Prerequisite: Completion of Educational Careers 1 is preferred
Fresh Start Cadets will learn and explore strategies designed for working with students in need of additional support with the transition into high school and will gain an understanding of the types of academic and personal support systems schools have. The Fresh Start Cadets will apply this knowledge while working daily with and serving as a mentor to the students enrolled in the accompanying Fresh Start course. In addition, Cadets will provide in class tutoring in a variety of academic subjects, therefore a strong academic background is necessary. The Fresh Start Cadet course is specifically designed for students interested in pursuing an education related career and is a component of the Future Educators program.

NEXT STEPS
0.5 credit, grades 9-12
Prerequisite: Counselor placement
Students in Next Steps will learn and apply effective study skills to their current course load; in addition, they will receive academic and positive peer support. Next Steps students will explore academic and career related options available to them while they are in high school such as programs at LOHS, OSTC and Learning Options.

NEXT STEPS ADVISORS
1.0 credit, grades 11-12
Prerequisite: Completion of Educational Careers 1 is preferred
Next Steps Advisors will serve as peer mentors to students of the Next Steps classes. Advisors will help set and work towards academic goals, track progress and explore strategies designed for working with students in need of additional support in their classes.

FUTURE EDUCATORS INTERNSHIP/CO-OP **(See page 35 for course description.)**

HEALTH SCIENCE

HEALTH SCIENCE PROGRAM - To fulfill this CTE program, Medical Foundations I & II, Medical Terminology, and earned certifications must be successfully completed with an average of a B or better. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

*See the Science Department section of the Curriculum Handbook for additional courses pertaining to the medical field.

MEDICAL FOUNDATIONS
1.0 credit, grades 10-12
Prerequisite: Biology (B- or better)
Medical Foundations will focus on the health science standards and introduce students to the knowledge and skills required of professionals in the healthcare field. Students will build a foundation of basic patient care skills and an understanding of healthcare delivery systems, medical terminology, basic anatomy and physiology, legal and ethical responsibilities, workplace safety, and infection control principles. Students will also learn about various health care communication and technology, patient client status, wellness, and clinical skills along with various disease processes. As a technical education course, students will focus on career readiness to prepare them for the medical field.

MEDICAL FOUNDATIONS II
1.0 credit, grades 11-12
Prerequisite: Medical Foundations
Students will build on the knowledge and skills gained in Medical Foundations. This class contains both in-class and field experience. Students will research, observe, practice, and be evaluated on various healthcare scenarios and skills. Students will gain career readiness skills by working with local healthcare providers at their facilities. Students will have class discussions on specific observations from their field placement and build a health science career portfolio. Students will also be prepared to take the Patient Care Technician Certification Exam and become certified prior to graduation. Participation in Health Occupations Students of America (HOSA) is highly recommended.

MEDICAL TERMINOLOGY
1.0 credit, grades 10-12
Prerequisite: Biology (B- or better)
Medical Terminology is a one-semester course that helps students understand the Greek- and Latin-based language of medicine and healthcare. Emphasis is placed upon word roots, suffixes, prefixes, abbreviations, symbols, anatomical terms, and terms associated with movements of the human body. This course also stresses the proper pronunciation, spelling, and usage of medical terminology. This class is helpful to anyone considering going into science or the healthcare field. Participation in HOSA- Future Health Professionals is strongly encouraged. Students can take concurrently with Medical Foundations or Medical Foundations II.

HEALTH SCIENCE INTERNSHIP/CO-OP **(See page 35 for course description.)**

MARKETING & SALES

MARKETING PROGRAM - To fulfill this CTE program, Marketing plus an additional marketing elective must be successfully completed with an average of a B or better. Program completion allows for articulated/direct credit from various colleges throughout Michigan.

ADVANCED MARKETING CAPSTONE
~~0.5~~ 1.0 credit, grades 11-12 Prerequisite: Marketing plus at least one of the following: Marketing Workshop, Sports Marketing, or Fashion Merchandising
This semester course provides students a more in-depth study of the field of marketing. Students will apply their knowledge of marketing by conducting a comprehensive marketing project that they can choose to enter in state and national DECA competitions. This challenging and worthwhile class also offers the students an opportunity to win college scholarships offered through the DECA conferences.

FASHION MERCHANDISING
0.5 credit, grades 11-12 Prerequisite: Marketing
Throughout this course, students will explore all facets of the fashion industry. Topics of study will include fashion promotion and advertising, visual merchandising, the history of fashion, fashion movement, theories of fashion adoption, garment styles, sewing skills, and the psychological factors that motivate the behavior of the fashion buyer. Students will also have the opportunity to plan and implement a fashion show. In addition to classroom study, real-world experiences will be used to reinforce the concepts of the course through activities such as field trips to retail stores and visits from professionals successful in the field. Those pursuing Fashion Merchandising majors in college will gain a solid foundation that will be beneficial to them in their college studies.

MARKETING
1.0 credit, grades 10-12 (Senior Math-Related Course)
Marketing provides students an opportunity to explore various marketing topics including advertising, selling, branding, promotion, market planning, distribution, entrepreneurship, and human resource management. Students will apply their marketing knowledge to create several hands-on projects allowing them to creatively plan and implement their ideas. Students will participate in field trips to gain real world experiences of the marketing world.

MARKETING WORKSHOP (School Store)
0.5 credit, grades 11-12 (Senior Math-Related Course) Prerequisite: Marketing
Students will apply what they have learned in Marketing to an actual retail operation, our school store. Hands on activities such as advertising and promotions will be a main focus. Students will gain on-the-job training operating a touch screen cash register, inventory selection and determining promotions.

SPORTS AND ENTERTAINMENT MARKETING
0.5 credit, grades 11-12 Prerequisite: Marketing
This course is designed to teach students marketing and management concepts associated with the sports and entertainment industries. Strategies used by successful sports and entertainment marketing and management firms and businesses will be evaluated. Sports and Entertainment Marketing will prepare students for advanced studies in marketing/management and create an inside look at how and why the sports and entertainment industry operates. Other areas of sports and entertainment marketing and management that will be investigated will be the promotion of professional sports, sports marketing history, hospitality and the movie/concert industry.

MARKETING INTERNSHIP/CO-OP (See page 35 for course description.)

SCHOOL–TO–CAREER OPPORTUNITIES

The school-to-career program is an opportunity for students to experience a career interest area by gaining valuable work experience during high school. Work experience opportunities are available for every career and every student.

CTE Work Based Learning / Internship
0.5 or more credit, grades 11-12
Pre or Co-requisite: Teacher Approval. Courses relative to specific Career and College Ready Programs of Study include: Automotive, Business Administration, Computer Programming, Cybersecurity, Engineering, Architecture, Mechanical CAD, Family & Consumer Science, Finance, Future Educators, Health Science, and Marketing.
CTE WBL / Internship is a unique working relationship between the student, school, and the business community. It is an option for students, who are well-established academically and have taken several classes within a concentrated area (ex. Finance, Auto, Business, and Engineering.). Students can work in positions of all types. The school provides the related course instruction and the business community provides the actual paid work experience. This cooperative effort gives the student a better understanding of the working world. This experience frequently becomes the stepping-stone to a lifetime career. A minimum of 7 hours a week must be spent working on the job if an unpaid experience. A minimum of 10 hours a week must be spent working on the job if a paid experience. Students may be eligible to have one or two release periods per term. We encourage students to register for this course during scheduling to reserve their spot. Please see the WBL Coordinator for more information.

Prerequisites:
- Student must have his/her own transportation
- All state-mandated paperwork must be turned in within the first week of class, or student will be dropped.

Work Based Learning / Internship
1.5 or more credit, grades 11-12
WBL / Internship is a unique working relationship between the student, school, and the business community. It is an option for students, who are well-established academically and interested in a work-based course credit. Students can work in positions of all types. The school provides the related course instruction; and the business community contributes the actual paid work experience. This cooperative effort gives the student a better understanding of the business world. This experience frequently becomes the stepping-stone to a lifetime career. Working hours may be during school hours, after school, or on weekends. A minimum of 7 hours a week must be spent working on the job if an unpaid experience. A minimum of 10 hours a week must be spent working on the job if a paid experience. Students may be eligible to have one or two release periods per term. We encourage students to register for this course during scheduling to reserve their spot. Please see the WBL Coordinator for more information.

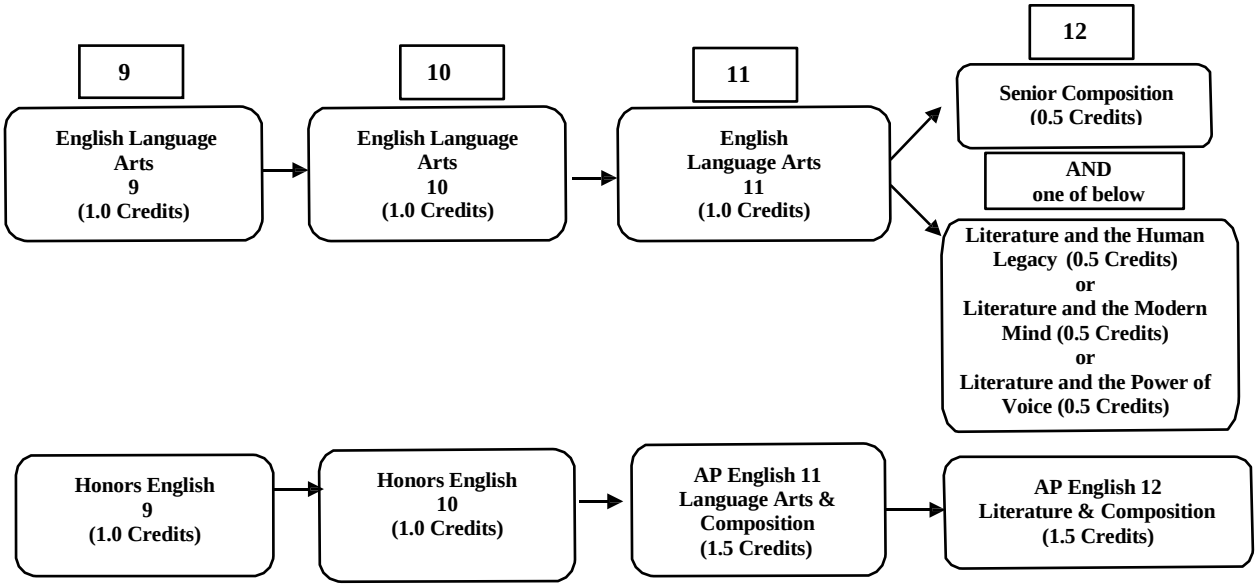
Prerequisites:
- Student must have his/her own transportation
- All state-mandated paperwork must be turned in within the first week of class, or student will be dropped.

ENGLISH/LANGUAGE ARTS

Four and one-half (4.5) credits are required for Language Arts in grades 9-12.

English Language Arts 9 or Honors English 9 must be successfully passed before level 10 English classes are selected. Similarly, English Language Arts 10 or Honors English 10 must be successfully passed before the 11th and 12th grade required English courses are scheduled. This will assure students' having learned and worked on those skills expected for the MME tests. The 9th and 10th grade offerings are aligned with core curriculum and MME requirements.

SEQUENCE OF REQUIRED COURSES



.5 credit of a Speaking & Listening Elective is required at some point throughout 9-12th grade.

THE HONORS ENGLISH PROGRAM

Students must:

- complete summer reading and writing assignments (if assigned) and submit on the pre-determined due date assigned by the Honors/AP English teacher.
- possess the ability to read accurately and thoughtfully.
- discuss intelligently, listen well, and speak constructively.
- possess the willingness to accept criticism from both teacher and peers.
- exhibit a good language background with good grammar skills.
- be comfortable with two or three kinds of assignments going on simultaneously.
- meet all deadlines.

REQUIRED ENGLISH

ENGLISH LANGUAGE ARTS 9
1.0 credit, grade 9

This course provides a survey of genres, authors, and time periods. Students will read a variety of texts, including realistic fiction, science fiction, drama, poetry, and non-fiction. Emphasis is placed on critically analyzing a text in order to gain an understanding of life and society. Students will also explore writing through narrative, literary analysis, informational, and argumentative essays. Emphasis is placed on the writing process, including prewriting, drafting, revising, and editing. This also includes a review of literary elements, writer's craft, grammar, and vocabulary.

HONORS ENGLISH 9
1.0 credit, grade 9
This course is designed for the exceptional English student. It covers composition, literature, grammar, and vocabulary at an advanced level. Students will read a variety of texts, including realistic fiction, dystopian fiction, drama, poetry, and non-fiction. Emphasis is placed on critically analyzing a text in order to gain an understanding of life and society. Students will also explore writing through narrative, literary analysis, informational, and argumentative essays.
Emphasis is placed on the writing process, including prewriting, drafting, revising, and editing. The pacing for this course is significantly faster than English Language Arts 9; students move rapidly through reading and writing units. Expectations for student performance are high, and the course of study is rigorous. If the summer reading materials are handed out in June, the Honors English teacher will assign a due date for the return of the completed assignments. Students MUST submit all summer reading assignments by the pre-determined due date.

ENGLISH LANGUAGE ARTS 10
1.0 credit, grade 10
This course focuses on American literature from the nineteenth century to the present. Students will read and analyze a variety of literary works by American authors, including the novel, short story, poetry, and non-fiction. Emphasis is placed on critically analyzing a text in order to gain an understanding of life and society against the backdrop of American social issues. The composition portion of the class will present a sequential treatment of the writing process from prewriting through revising. Instruction in the practical use of language, including vocabulary study, grammar, and mechanics will also be provided.

HONORS ENGLISH 10
1.0 credit, grade 10
Students pursue a rigorous curriculum in which they read a variety of American literature, discuss it analytically, and formulate ideas in their writing. Readings include non-fiction, short stories, drama, novels, and poetry. The course is designed for students with a special interest in English. Students should be able to read rapidly and accurately and write with fluency and minimal language difficulties. The composition portion of the class will present a sequential treatment of the writing process from prewriting through revising. Instruction in the practical use of language, including vocabulary study, grammar, and mechanics will also be provided. If the summer reading materials are handed out in June, the Honors English teacher will assign a due date for the return of the completed assignments. Students MUST submit all summer reading assignments by the pre-determined due date.

ENGLISH LANGUAGE ARTS 11
1.0 credit, grade 11
Prerequisite: Successful completion of English 9 and English 10
This course focuses on contemporary world literature from the 20th- and 21st- centuries. Students will read and analyze a variety of literary works by world authors, including the novel, short story, poetry, and non-fiction. Emphasis is placed on critically analyzing a text in order to gain an understanding of life and society against the backdrop of global social issues. The composition portion of the class will present a sequential treatment of the writing process from prewriting through revising. Instruction in the practical use of language, including vocabulary study, grammar, and mechanics will also be provided.

AP ENGLISH 11 – LANGUAGE ARTS & COMPOSITION
1.5 credits, grade 11 (Satisfies Speaking & Listening requirement)
This three-term class prepares students to take the AP English Language and Composition test in May Students will analyze and interpret samples of good writing, identifying and explaining an author's use of rhetorical strategies and techniques; apply effective strategies and techniques in their own writing; created and sustain arguments based on reading research, and/or personal experience; demonstrate understanding and mastery of standard written English as well as stylistic maturity in their own writing; write a variety of genres and contexts, both formal and informal, employing appropriate conventions; produce expository and argumentative compositions that introduce a complex central idea and develop it with appropriate, specific evidence, cogent explanations, and clear transitions; and move effectively through the stages of the writing process, with careful attention to inquiry and research, drafting, revising, editing, and review. Literary works taught include *Cat's Cradle* by Kurt Vonnegut, *In Cold Blood* by Truman Capote, and the *Norton Reader: An Anthology of Nonfiction*. If the summer reading materials are handed out in June, the Advanced Placement English teacher will assign a due date for the return of the completed assignments. Students MUST submit all summer reading assignments by the pre-determined due date.

SENIOR COMPOSITION: WRITING FOR SELF, COMMUNITY AND THE WORLD
0.5 credit, grade 12
Prerequisite: Successful completion of ELA 11 or AP 11
Senior Composition will address the skills and strategies needed for composing various text types. This course develops students' writing skills through real-world, purpose-driven projects that prepare them for college, careers, and civic engagement. Students will explore narrative, informative, and argumentative writing. Students will refine their ability to craft compelling narratives, analyze and synthesize research, and communicate effectively for diverse audiences through reflective letters, personal statements, feature profiles, brochures, persuasive letters, and/or multimedia projects. Career readiness is embedded throughout, with opportunities to engage in professional writing, conduct interviews, and create work for authentic audiences.

LITERATURE AND THE HUMAN LEGACY
0.5 credit, grade 12
Prerequisite: Successful completion of ELA 11 or AP 11
Literature and the Human Legacy will address the skills and strategies needed for reading and analyzing both classical and contemporary works of literature. Students will have the opportunity to read, view, and/or listen to a variety of texts (novels, dramas, poetry, films, and multimedia sources). These texts will explore how values, beliefs, and moral choices shape individuals and societies. Additionally, these texts will center around themes of ethics, leadership, innovation, virtue, and legacy. Students will interpret, analyze, and evaluate these works by considering the purpose and impact of author's choices, as well as the cultural or historical context of the text and its implications in today's world.

LITERATURE AND THE MODERN MIND
0.5 credit, grade 12
Prerequisite: Successful completion of ELA 11 or AP 11
Literature and the Modern Mind will address the skills and strategies needed for reading non-fiction texts. Students will have the opportunity to read, view, and/or listen to several non-fiction texts (books, documentaries, podcasts, informational graphics, images, etc.) These texts will center around themes related to science, technology, society, psychology, human behavior, and decision-making. Students will synthesize, analyze, and evaluate these texts by considering the author's purpose, point of view, bias, and rhetorical techniques.

LITERATURE AND THE POWER OF VOICE
0.5 credit, grade 12
Prerequisite: Successful completion of ELA 11 or AP 11
Literature and the Power of Voice will address the skills and strategies needed for reading non-fiction and fiction texts. Students will read/view/listen to texts centered around themes related to storytelling, voice, perspective, and the human experience. These texts will include books, documentaries, podcasts, informational graphics, images, etc. Students will synthesize, analyze, and evaluate these texts by considering the author's purpose, point of view, bias, and rhetorical techniques.

AP ENGLISH 12 – LITERATURE AND COMPOSITION
1.5 credits, grade 12
In this literature and composition course, students will read intensively representative works from several genres and periods in world literature. Since the course will concentrate on the study of challenging works of recognized literary merit, students will be expected to engage in both the critical reading as well as in carefully written and verbal analyses of the subject matter presented. Writing assignments include practice in exposition, argument, critical analysis, personal narrative and fictional or poetic forms. Students should develop a sense of how style, subject and audience are related. The desired goals are the honest, concise and effective use of language; the organization of ideas in a clear, coherent and persuasive manner; and the careful scrutiny of literature which can be coordinated with the students' collateral and independent readings. Students enrolled in this course are expected to take the AP Exam in literature and composition offered by the College Board in May, which may result in academic credit and/or exemption from beginning level college courses**.** Literary works taught include Aldous Huxley's Brave New World, Geoffrey Chaucer's Canterbury Tales, Mary Shelley's Frankenstein, Shakespeare's MacBeth/Hamlet, Homer's The Iliad, Virgil's The Aeneid, Sophocles' Oedipus Rex, Aeschylus' Agamemnon, Beowulf, Sir Gawain, Song of Roland, Dante Alighieri's The Divine Comedy, Miguel de Cervantes Saavedra's Don Quixote, Gustave Flaubert's Madame Bovary, Chinua Achebe's Things Fall Apart, Joseph Conrad's Heart of Darkness, Thomas Moore's Utopia, John Milton's Paradise Lost, One Thousand and One Nights, and George Orwell's 1984. If the summer reading materials are handed out in June, the Advanced Placement English teacher will assign a due date for the return of the completed assignments. Students MUST submit all summer reading assignments by the pre-determined due date.

ENGLISH ELECTIVES

ACADEMIC LITERACY
0.5 credit, grades 9-11 (Satisfies Speaking & Listening requirement) Prerequisite: QRI testing and referral by Counselor/Transition Coordinator
Academic Literacy focuses on increasing student reading comprehension levels and developing strategies for reading informational texts. Students will analyze not-fiction texts, strengthen critical thinking skills, answer inferential questions, understand how text is organized, identify author's purpose, and *develop these strategies to apply in other classes.* When possible, the texts used in class align with topics in core classes the students are currently taking.

CREATIVE WRITING
0.5 credit, grades 9-12 (Satisfies Speaking & Listening requirement)
If you write for pleasure, this course will help you improve your style and develop your talent. You will write various types of stories, descriptions, poems, and narratives. In addition, you will review the works of famous authors and will critique classmates' work.

DEBATE
0.5 credit, grades 9-12 (Satisfies Speaking & Listening requirement)
This course teaches the logistics and strategies of the debate process. Students will examine the techniques used to logically work through an issue. They will also learn to use critical and analytical thinking, logical reasoning, skillful argumentation, library and computer research, and clear speaking skills.

FILM
0.5 credit, grades 10-12 (Satisfies Speaking & Listening requirement)
Film has become a significant component of our culture, part of our individual and collective lives. Students will study the history of film in order to better understand how film has helped us to observe the world. Film terminology, cinematic methods, and the industry itself will be examined. Acting, directing, cinematography and other film elements will be introduced. After completion of this course, the student will be a more critical observer of films. Although no "R" rated films will be viewed in class, there may be mature themes present in some films.

FUNDAMENTALS OF WRITING
0.5 credit, grade 9 (Satisfies Speaking & Listening requirement)
Prerequisite: 8th grade writing assessment scores & MSTEP score; referral by counselor
Fundamentals of Writing focuses on developing non-fiction writing skills. Students will utilize the writing process to strengthen basic informational, argumentative, and narrative writing. These skills include organizing, developing, and supporting ideas; selecting, providing, and analyzing evidence; and editing and revising for coherency and fluency. When possible, the texts used in class will align with topics in core classes the students are currently taking.

HONORS YEARBOOK
2.0 credits, grades 11-12 (Satisfies Speaking &Listening requirement) Prerequisite: Application Process
The yearbook staff publishes the annual yearbook through student reporting, editing, photography, and design for the school and community. The Dragon Yearbook staff has been recognized annually with awards at the state and national level, and the students are expected to exceed expectations while studying the techniques and disciplines of journalism and print production. Returning staff members are expected to move-up in position (i.e., from reporter to editor) and attend a summer camp before their second year. Yearbook staff improve personal communication, leadership, time management, writing, photography and design skills as well as marketing and business skills needed for successful group dynamics. Yearbook production is a team effort, and Yearbook staff have various opportunities to practice skills needed for successful group dynamics. All LOHS tenth and eleventh grade who completed a year on the Yearbook staff are welcome to apply for the course.

INDEPENDENT STUDY
0.5 credit, grades 11-12 Prerequisite: Application Process
This course is designed for students in grades 11-12 who desires a more intensive study in a particular discipline than the general curriculum provides. Before registration, the student must submit a work study plan for the term signed by his/her parent/guardian. Upon approval, copies will be held by the student, the teacher, and their counselor. Weekly student-teacher conferences will be held to monitor the student's progress. The final project may be evaluated by the entire department before a grade is granted. Students selecting this course must be able to work independently and responsibly.

INK AND IMAGINATION: CREATING A GRAPHIC NOVEL
0.5 credit, grades 9-12 (Satisfies Speaking & Listening requirement)
In a world of ever-increasing visual media, graphic novels are exploding in popularity as a vehicle for modern storytelling. This course will explore various genres of graphic novels -- memoir, realistic fiction, fantasy, and science fiction -- to study the relationship between illustrations and words. Students will plan, develop, and create an original graphic novel, showcasing both writing skills and artistry. Upon successful completion of this course, students may elect to take the course again.

INTRODUCTION TO JOURNALISTIC WRITING
0.5 credit, grades 9-12 (Satisfies Speaking & Listening requirement)
This course offers students the best of both English and journalism curricula: writing assignments which teach the clear, concise style of the journalist in editorials, features, columns, reviews, and rhetorical modes, as well as reading activities which demand higher-level thinking skills and analysis of both contemporary and classic literature from newspapers, magazines, journals, and books. Through much study, analysis, and practice, students will receive a thorough preparation for the yearbook and TPW participation as well as college essays, post-secondary work, and future careers.

JOURNALISM YEARBOOK
2.0 credits, grades 9-12 (Satisfies Speaking & Listening requirement)
Prerequisite: Application Process, **Recommended: Photography 1 for all photographers**
This class publishes the annual yearbook through student reporting, editing, photography and desktop publishing. Students are all expected to attend production/deadline days/nights announced throughout the year. Returning staff members are expected to move-up in position (i.e., from reporter to editor) and attend a summer camp before their second year. Qualifications considered: good attendance, ability to work independently, and above-average writing skills.
Yearbook fulfills the Visual Performing and Applied Arts graduation requirement.

LITERATURE AND THE BIG SCREEN
0.5 credit, grades 9-12 (Satisfies Speaking & Listening requirement)
This course aims to answer the question: is the book always better than the movie? This course will provide opportunities for students to explore contemporary fiction and non-fiction books that have been adapted into movies and TV shows. Students will critically analyze a variety of written and visual texts, including but not limited to novels and narrative non-fiction.
Students will also compose both analytical and creative essays and presentations.

LITERATURE OF SUSPENSE
0.5 credit, grades 9-12 (Satisfies Speaking & Listening requirement)
For students who are fascinated with the mysterious and the "unexplained", this course will provide opportunities to explore suspenseful literature. Topics of study will include classic and modern detective stories, ghost stories, and horror stories. Students will critically analyze a variety of written and visual texts, including but not limited to novels, narrative non-fiction, documentaries, and podcasts. Students will also compose both analytical and creative essays and presentations.

MYTHOLOGY, FOLKLORE AND LEGEND
0.5 credit, grades 9-12 (Satisfies elective Speaking & Listening requirement)
Ride the mythical horse Pegasus as Zeus guides him through the sky. Join the Hobbit on his adventure through mid-earth. Explore the African legend of the hare and the hippo; and the thunder throwing Norse god, Thor; Leprechauns and such. This class delves into man's quest for the answers to his being. It also deals with the lessons taught through legend and folklore. Create your own myths while becoming aware of common threads that run through all myths. Various books and sources will be used to broaden your view of man and his universe from Mexico to Japan; from Egypt to India; from Prometheus to Superman. Be ready to read, write, create, and appreciate!

SCIENCE FICTION
0.5 credit, grades 9-12 (Satisfies elective Speaking & Listening requirement)
This course will explore science fiction, a genre that employs both realistic and fantastic elements in an attempt to answer the question "What if?" Topics and themes include utopian and dystopian societies, the destruction or assimilation of cultures, questions of identity, the evolution or de-evolution of humanity, the role of technology, and literacy in the twenty-first century.

SPEECH
0.5 credit, grades 9-12 (Satisfies Speaking & Listening requirement)
Speech is a class designed to develop self-confidence and improve communication skills. The communication experiences are attained through formal and informal speaking experiences. The course is designed to help students understand the relationship between language meaning and decision-making. The class will expose all the students to the various communication areas.

WRITING CORPS
0.5 credit, grades 11-12 (Satisfies Speaking & Listening requirement)
Prerequisite: Application
This course is for students who are strong writers, supportive of others, and looking for leadership opportunities. Students will study various genres of writing as well as methods for providing effective and productive feedback to other writers. They will also pursue a Fellowship Project, in which they will explore a writing-related topic of their choice for the duration of the course. Students in this course will act as Student Writing Coaches (SWCs) for LOHS students, in-person and digitally during the school day. As part of the course requirement, students may be expected to participate in the occasional community engagement activity after school and in the evening. Upon successful completion, students may enroll in this course more than once.

YEARBOOK LEADERSHIP
0.5 credit, grades 10-12
Prerequisite: Journalism Yearbook (Satisfies Speaking & Listening requirement)
Yearbook Leadership will be for advanced, returning yearbook students who will fill positions on staff as editors or editors-in-chief. This course will give the editors the opportunity to open and review spreads, prepare deadline checklists, itemize corrections for proofed pages, and more. By managing these tasks during Yearbook Leadership, these students will then be allowed to truly lead first year and more junior staff during the Yearbook class period, guiding and teaching them, demonstrating, and coaching. This additional time will allow the yearbook staff to focus that extra attention to detail that could help the program complete at a national level.

EXPERIENTIAL EDUCATION

ASSETS
0.5 credit, grades 9-12
Students in ASSETS will discuss and explore 40 Developmental Assets and positive supports and strengths that young people need to succeed. Half of the assets focus on the relationships and opportunities students need in their families, schools, and communities (external assets). The remaining assets focus on the social-emotional strengths, values, and commitments that are nurtured within young people (internal assets). Student assessment is based on individual student engagement and completion of a personal term project

CHALLENGES
0.5 credit, grades 11-12
The **CHALLENGES** program provides an experiential, adventure-based approach to learning. Daily activities highlight the following: team cooperation, problem solving, self-confidence, communication, motivation, responsibility, self-reliance, critical thought, reflection, group discussion and journal writing. Most activities occur outside the traditional classroom using high and low ropes course elements. Student's individual achievements are the basis for assessment.

CONFLICT MANAGEMENT
0.5 credit, grades 9-12
Conflict and problem solving are an inescapable part of our daily lives and an inevitable result of our highly competitive, complex, and stressful society. Learning how to effectively work with conflict and solve problems is an essential skill needed by every person or group regardless of one's age, social role, profession, cultural background, or beliefs. Students will practice managing intra and interpersonal conflicts and learn that success and quality life depends on healthy people, families, organizations, and their ability to manage conflict.

EXPLORING MINDFULNESS & MENTAL FITNESS
0.5 credit, grades 10-12
Grounded in neuroscience, this course will explore how experiencing mindfulness, in theory and in practice, on a regular basis, can influence how a student navigates their world. Along with building foundational skills in attention, focus, and self-regulation, this course will teach mental fitness strategies that will allow the student to manage stress, build resilience, foster compassion for self and others, while learning to live a more fully present life.

TRANSITIONS
0.5 credit, grade 9
Transitions has been specially designed for 9th graders in order to prepare them for the opportunities that lie ahead at Lake Orion High School. The focus of Transitions is on easing the student's transition to high school by increasing their inter/intra-personal skills, promoting, and developing effective group skills, and facilitating individual growth. By utilizing Lake Orion High School's challenge course, students will partake in a variety of group initiative activities, goal setting, low and high ropes course elements, and reflection in order to facilitate learning on many levels. As a result, many connections with the student's world both inside and outside of school may be developed and enhanced.

FINE ARTS

AP STUDIO ART
1.5 credit, grades 11-12
Prerequisite: The students are encouraged to complete all of the courses in one of the three paths. The three paths are Drawing, 2D design, or 3D design. For a drawing portfolio, the students are encouraged to complete Drawing 1-4. For a 2D design portfolio, the students are encouraged to complete Drawing 1-3, Photography, and Graphic Design and Digital Art. For a 3D design, the students are encouraged to complete Ceramics 1-4, Sculpture and Jewelry/Metal Arts. All Art classes are strongly recommended for students completing any of the portfolios. (If a student completes one of the portfolios their junior year, they may do a different one their senior year.)

The AP Studio Art class is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. Students are responsible for purchasing materials for this course. Materials provided to students remain the property of LOCS (Lake Orion Community Schools).

CERAMICS 1
0.5 credit, grades 9-12
This course covers the basic methods of ceramics including pinch, wheel, hollowed form, slab and coil. It will also review the history of ceramics and glazing. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

CERAMICS 2
0.5 credit, grades 9-12 Prerequisite: Ceramics 1
This course includes the basic techniques using the potters' wheel. Advanced hand-built methods will also be emphasized. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

CERAMICS 3
0.5 credit, grades 9-12 Prerequisite: Ceramics 2
Ceramics 3 will involve a high concentration of potter's wheel work and/or hand building work for the student. Ceramics 3 will also give the student the opportunity to create art forms with clay. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

CERAMICS 4
0.5 credit, grades 9-12 Prerequisite: Ceramics 3
Ceramics 4 will provide the serious-minded ceramic student with the opportunity to expand clay building techniques. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

CERAMICS 5
0.5 credit, grades 10-12 Prerequisites: Ceramics 4
Ceramics 5 will provide the serious-minded ceramic student with the opportunity of expanding their knowledge and skill. Students can hand build or work on the potter's wheel. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

DESIGN CONCEPTS
0.5 credit, grades 9-12
This is an introductory art and design course exploring personal voice and artistic style using a variety of media. Projects are guided by the fundamentals of design elements and principles. Students will practice a range of techniques making 2-dimensional and 3-dimensional art forms. A range of historical and contemporary artworks will be studied to help students in the art making process. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

DRAWING 1
0.5 credit, grades 9-12
This course is an introduction to observational drawing using a range of mediums. Focus is on creating drawings from life with emphasis placed on effective compositions, linear perspective, skills in drawing, and the elements and principles of design. This course will explore mediums including charcoal, pastel, pencil, and colored pencil. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS. (Lake Orion Community Schools)

DRAWING 2
0.5 credit, grades 9-12 Prerequisite: Drawing 1
This course will focus on drawing from life, illustration work, and portrait work. Student voice and style will begin to emerge. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

DRAWING 3
0.5 credit, grades 10-12 Prerequisite: Drawing 2
This course will focus on drawing from life, figure work, and further explore student voice and style. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

DRAWING 4
0.5 credit, grades 10-12 Prerequisite: Drawing 3
This is a figure drawing course. The students will focus on proportion of the figure. Students will explore student voice and style as it relates to the figure. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

GRAPHIC DESIGN AND DIGITAL ART 1
0.5 credit, grades 9-12
Prerequisite: Drawing 1 or Design Concepts
This course will focus on developing skills in graphic design and digital art. Students will learn and use the Adobe software, including Photoshop and Illustrator. This course will introduce students to file management, copyright ethics, digital art, scanning and the use of a digital camera. Areas expanded include vector and raster graphics, typography, computer illustration, layout design, advertising, packaging, and corporate identity. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

GRAPHIC DESIGN AND DIGITAL ART 2
0.5 credit, grades 9-12
Prerequisites: Graphic Design and Digital Art 1
This course will focus on advancing the skills learned in Graphic Design and Digital Art 1. In depth research and identifying current graphic and photography trends will also be expected. The student will create graphics, illustrations, animation, and digital images on a more independent and creative level. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

GRAPHIC DESIGN AND DIGITAL ART 3
0.5 credit, grades 10-12
Prerequisites: Graphic Design and Digital Art 2
This course will focus on advancing the skills learned in Graphic Design and Digital Art 1 & 2. In depth research and identifying current graphic and photography trends will also be expected and applied to student work. There will be a heavy emphasis on community involvement, local display, and art competitions. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools)

JEWELRY AND METAL ART 1
0.5 credit, grades 9-12
Students will learn and apply metalsmithing techniques to create functional handcrafted jewelry and metal forms. Exploration of techniques include piercing and sawing, torch soldering, lost wax casting, polishing and alternative surface treatments. Consideration of the elements and principles of design will influence overall design creation and functionality. Emphasis is placed on originality and craftsmanship. Students will demonstrate proper tool usage and power equipment safety within the studio space. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

JEWELRY AND METAL ART 2
0.5 credit, grades 9-12
Prerequisites: Jewelry and Metal Art 1
Jewelry & Metal Art 2 will give the student an opportunity to expand upon the concepts learned in the foundation metals class. New techniques will be introduced such as riveting, advanced casting, enamel and bezel set techniques. Individual creativity and uniqueness will be encouraged. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

JEWELRY AND METAL ART 3
0.5 credit, grades 9-12
Prerequisites: Jewelry and Metal Art 2
Jewelry & Metal Art 3 will allow the student an opportunity to expand upon the concepts learned in Jewelry & Metal Art 1 and 2. It will also focus heavily on uniqueness, creativity, and finding an individual voice in the student's artwork. Skill mastery will be expected as well as learning new advanced techniques and concepts. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

PAINTING - OILS
0.5 credit, grades 9-12 Prerequisite: Drawing 1
This course teaches students how to paint with oil paint. Students will paint from life, explore portrait work, and develop student voice working with oil paint. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

PAINTING - WATERCOLORS
0.5 credit, grades 9-12 Prerequisite: Drawing 1
This course will teach students the watercolor techniques of wet on wet, wet on dry, and dry on dry. The students will learn how to blend and show value with watercolor. Students will paint from life and be taught how to reference. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

PERSPECTIVE
0.5 credit, grade 12 (Senior Math-Related Course) Prerequisite: Drawing 2
This is a senior only course intended to teach students to apply and model mathematical concepts through real world application of perspective in drawing. Students will have an understanding of visual relationships between two-dimensional and three-dimensional objects and learn how to create these drawings to scale. Students will develop the math and art skills necessary to transition from high school to college. These math concepts are skills needed for a career in many art-related fields.

PHOTOGRAPHY 1
0.5 credit, grades 10-12
Prerequisite: Design Concepts or Drawing 1
Students will create and present images using the camera and the darkroom. Students learn the concepts of proper exposure, composition, printing, and presentation. Students develop skills in various photographic techniques to create expressive artwork. Students research and explore the history of photography to better understand the nature of photography, its impact on society and its aesthetic value. Students critique their own and others' photography. Students will also work with digital cameras and manipulation of images using programs such as Adobe Photoshop. Students demonstrate an understanding of how to work with photographic chemicals in the darkroom. Students may want to have a Digital Single Lens Reflex camera of at least 10.0mp to use during the class, it is recommended but not required. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools). Students who choose to use school issued cameras must sign a release waiver prior to using the school issued camera.

PHOTOGRAPHY 2
0.5 credit, grades 10-12
Prerequisite: Photography 1
In this course, students create and present images using the camera and the darkroom. Students will enhance their knowledge of the concepts of proper exposure, composition, printing, and presentation that were taught in Photography 1. Students will continue to develop skills in various photographic techniques to create expressive artwork. Students will continue to research and explore the history of photography to better understand the nature of photography, its impact on society and its aesthetic value. Students critique their own and others' photography. Students demonstrate an understanding of how to work with photographic chemicals and how to work in the darkroom. Students will also work with digital cameras and manipulation of images on the computer using programs such as Adobe Photoshop. Students may want to have a SLR (single lens reflex) digital camera of at least 10.mp to use during the class (recommended but not required). Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools). Students who choose to use school issued cameras must sign a release waiver prior to using the school issued camera.

PRINTMAKING
0.5 credit, grades 9-12
Prerequisite: Drawing 1 or Design Concepts
This an introductory printmaking course using a variety of techniques including monoprints, collagraphs, relief carving, silkscreen, image transfers, and mixed media. The structured unit progression will develop skill and confidence for successive projects. Students will recognize and apply printing methodology for print production. Elements and principles of design will help guide creative thinking and project creation. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS. (Lake Orion Community Schools)

RAKU POTTERY
0.5 credit, grades 9-12 Prerequisite: Ceramics 2
Raku Pottery is a form of ceramics which allows the student to be incorporated into the total process. Students will create pottery which they will fire outdoors. This course will only be offered fall and spring terms (1st & 4th) so students may be outdoors. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

RAKU POTTERY 2
0.5 credit, grades 9-12 Prerequisite: Raku 1
Raku Pottery 2 will enable the serious art student to explore advanced methods in the Raku pottery process. Students will incorporate advanced glaze and firing techniques in this course. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

SCULPTURE
0.5 credit, grades 9-12
This course will create a variety of 3-dimensional projects using a range of sculpting techniques including modeling, building, and carving methods. Students will examine traditional and contemporary sculptures to strengthen understanding of art forms and processes. A range of materials will be used including mixed media, clay, and plaster. Students are asked to donate a material fee for this course. Tools provided to students remain the property of LOCS (Lake Orion Community Schools).

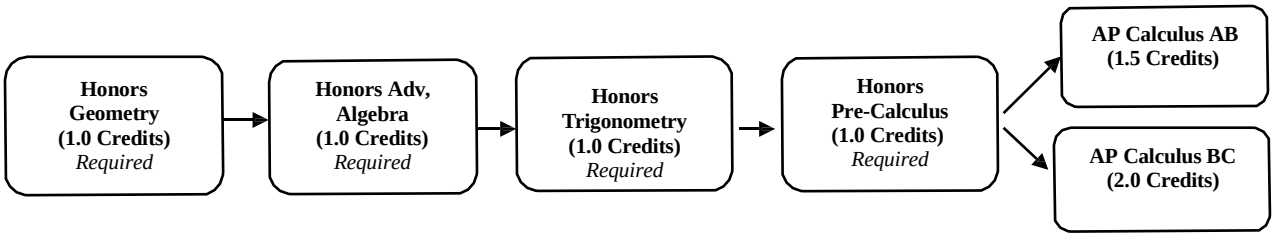
MATHEMATICS

- Students are required to complete four (4) credits of Mathematics.
- During their senior year, students are required to pass one senior math-related course.
- Courses that fulfill this requirement are denoted with a "M" in front of their name on pages 14-19.

SEQUENCES OF REQUIRED COURSES

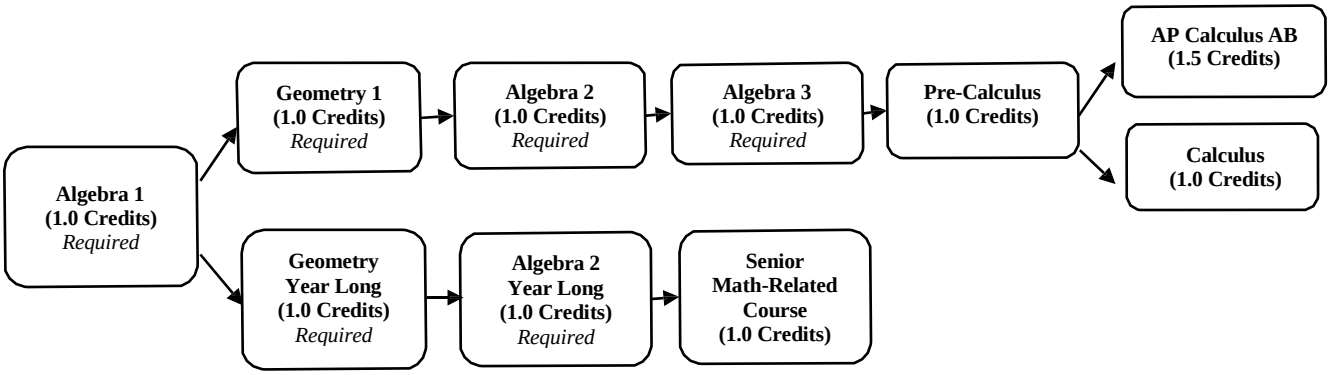
Honors Program

Prior to the junior MME, students in the Honors Program are encouraged to complete at least the first half of Honors Pre-Calculus and either AP Statistics or Introductory Statistics.



College Programs with Traditional Approach

Prior to the junior MME, students using the Traditional approach are encouraged to complete the sequence of courses through Algebra 3, and either AP Statistics or Introductory Statistics.



ALGEBRA 1
1.0 credit, grades 9-12
Prerequisite: Math 8 or teacher recommendation
Algebra 1 introduces students to algebraic concepts such as variables, equations, inequalities, and functions through multiple representations (equations, graphs, tables, and real-world situations). An emphasis is placed on exploring and modeling linear, exponential, and quadratic functions. -

ALGEBRA 2
1.0 credit, grades 9-12 Prerequisite: Geometry
Algebra 2 extends upon Algebra 1 and Geometry concepts in prior courses. Multiple representations (equations, graphs, tables, and real-world solutions) through a variety of functions and transformations, including linear, quadratic, exponential, and rational, continue to be highlighted. Extensions of geometry concepts include 3D Solids, Surface Area and Volume, and Conics.

ALGEBRA 2 – YEAR-LONG
1.0 credit, grades 9-12 Prerequisite: Algebra 1
Algebra 2 is a course designed to build upon the concepts taught in Algebra 1. This course will continue the study of function families encountered in Algebra 1. Students will extend their knowledge to include sequences and series, probability and statistics, and polynomials.

ALGEBRA 3
1.0 credit, grades 9-12
Prerequisite: Algebra 2 and Geometry
Algebra 3 is the final required course in the traditional mathematics sequence. Exploring and modeling functions through multiple representations (equations, graphs, tables, and real-world situations) continue to be underscored. Topics include inverses, logarithms, trigonometry, polynomials, sequences and series, as well as some statistical concepts.

AP CALCULUS AB
1.5 credit, grades 11- 12
Prerequisite: Honors Pre-Calculus or Pre-Calculus
AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

AP CALCULUS BC
2.0 credit, grades 11-12 Prerequisite: Honors Pre-Calculus
AP Calculus BC is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

AP STATISTICS
1.5 credits, grades 9-12
Prerequisite: Honors Advanced Algebra or Algebra 3
AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

CALCULUS
1.0 credit, grades 11-12 Prerequisite: Pre-Calculus
This course is designed to further prepare students for college-level mathematics courses. As an introduction to Calculus, topics explored will include functions, limits, continuity, derivatives, applications of derivatives, curve sketching, and basic integration techniques.
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EXPLORATIONS IN DATA SCIENCE
1.0 credit, grades 10-12 Prerequisite: Algebra 1
This curriculum will introduce students to the main ideas in data science through free tools such as Google Sheets, Python, Data Commons and Tableau. Students will learn to be data explorers in project-based units, through which they will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society, and more! At the end of the course, students will have a portfolio of their data science work to showcase their newly developed abilities. It can lead to a pathway in calculus, statistics, data science, other STEM fields, or humanities subjects.

GEOMETRY
1.0 credit, grades 9-12 Prerequisite: Algebra 1
Geometry introduces students to reasoning and problem-solving skills through exploring geometric shapes. An emphasis is placed on transformations, angle relationships, congruence, similarity, probability, and trigonometry by exploring relationships in triangles, quadrilaterals, polygons, and circles.

GEOMETRY – YEAR-LONG
1.0 credit, grades 9-12
Prerequisite: Algebra 1–Year Long and teacher/counselor recommendation
This course is a study of plane, solid and coordinate geometry, and an introduction to trigonometry. Topics will include angles, lines, area, perimeter, and properties of polygons (focusing on triangles and quadrilaterals). Also included are transformations, a study of circles and their characteristics, and a study of solid figures including surface area and volume. Mathematical reasoning, logic, constructions, & real-world connections will be emphasized.

HONORS ADVANCED ALGEBRA
1.0 credit, grades 9-12 Prerequisite: Honors Geometry
The first part of the course is a continuation of Algebra 1 with advanced treatment of linear equations, quadratic equations, exponentials, factoring, irrational numbers, and graphing. New topics will include logarithms, probability and statistics, and rational functions.

HONORS GEOMETRY
1.0 credit, grades 9-12. Prerequisite: 8th grade Algebra 1
Honors Geometry introduces students to reasoning and problem-solving skills through exploring geometric shapes. An emphasis is placed on transformations, angle relationships, congruence, similarity, probability, and trigonometry by exploring relationships in triangles, quadrilaterals, polygons, circles, 3D solids, and conics.

HONORS PRE-CALCULUS
1.0 credit, grades 10-12 Prerequisite: Honors Trigonometry
We will study polynomial functions, rational functions, exponential and logarithmic functions. The course will also include polar coordinates, complex numbers, conic sections and sequences and series. Additional topics will be covered if time permits.

HONORS TRIGONOMETRY
1.0 credit, grades 9-12
Prerequisite: Honors Advanced Algebra
This course is the study of right triangle trigonometry, circular trigonometric functions, graphing, oblique triangles, and equation solutions.

INDEPENDENT STUDY
0.5 credit, grades 11-12 Prerequisite: Application process
This course is designed for the student in grades 10-12 who desires a more intensive study in a particular discipline than the general curriculum provides. Before registration and the term begin, each student must submit a work-study plan for the term signed by her/his parent/guardian. Upon approval, one copy will be held by the student, one by the teacher and the third given to the counselor. Weekly student-teacher conferences will be arranged to monitor the student's progress. The final project may be evaluated by the entire department before a grade is given. Students selecting this course must be able to work independently and responsibly.

INTRODUCTION TO STATISTICS
0.5 credit, grades 9-12 Prerequisite: Algebra 1
In Introduction to Statistics, students gain experience with the statistical problem-solving process. They will explore collecting or considering data, analyzing data, and interpreting results. Focus will be on analyzing and modeling one and two variable data, interpreting data collection techniques and bias, as well as an introduction to probability rules.

MATH LAB
1.0 credit, grades 9-10
Prerequisite: Referral by counselor or teacher
Taken concurrently with an Algebra 1 course, Math Lab is an academic support class designed for students with a history of difficulty or failure in mathematics. Class will consist of primarily pre-teaching Algebra 1 concepts in a smaller setting focusing on improving student achievement and basic skills, just-in-time. Additional time will be used to improve other algebraic skills and complete Algebra assignments.

NUMBERS, GAMES, AND HEROES
0.5 credit, grade 12 Prerequisite: Algebra 2
In this course students will learn historical math figures and their mathematical theories. It will relate the people and their ideas to games and activities used in history as well as in modern times. Themes carried throughout each unit in the course are how the topics first came to be, what problems they helped to solve, who helped in the creation of these ideas and how we still use these topics today. Topics include magic squares, art, board games, statistics, brainteasers, shapes, mathematical tools, historical figures, and cryptography.

PRE-CALCULUS
1.0 credit, grades 10-12 Prerequisite: Algebra 3
Precalculus functions as a bridge from algebra and geometry to calculus, focusing on functions, trigonometry, and other analytical tools necessary for college-level math. The course aims to build problem-solving and analytical skills through various representations (graphical, numerical, algebraic) and to apply mathematical concepts to real-world scenarios.

STRATEGY GAME DESIGN
1.0 credit, grades 11-12
A game is any activity undertaken or regarded as a contest involving luck, skill, or a combination of both and played according to a set of rules for the enjoyment of the players or spectators. They are planned experiences for players. Some games provide significant intellectual challenge and the opportunity to plan and carry out a myriad of strategies. Other games provide players with emotional experiences like tension, fun or even fear.

Games provide us the opportunity to engage in mental challenges, social interaction, recreation, and competition. Many new games are introduced each year, but few are successful enough to merit production in subsequent years. Students in this class will learn the fundamentals of game design and create a game that meaningfully applies these principals using an iterative design process. Students are asked to donate a material fee for this course.

PERFORMING ARTS

DRAMA

ACTING 1
0.5 credit, grades 9-12 (Satisfies elective Speaking & Listening requirement)
The purpose of this course is to gain an understanding and appreciation of some of the basic elements of theatre. By learning to utilize both verbal and nonverbal communication, the student will create believable characters, both in scripted and improvisational settings. In addition, the student will be familiar with various physical and technical aspects of the theatre. Students will apply this knowledge in analyzing a limited number of plays outside of the classroom. The student will gain an effective stage presence and an appreciation for the various aspects of drama.

ACTING 2
1.0 credit, grades 9-12 (Satisfies elective Speaking & Listening requirement)
Prerequisite: Acting 1 or department approval
Acting 2 is a more advanced course for those who are interested in a more intense study of drama. Concepts covered in Acting 1 are discussed in more detail and are applied to larger, more elaborate activities. Students will analyze both classic and contemporary scripts and playwrights. Students will also create scenes and apply directorial instruction to produce one-act plays to be performed as the class final. The student will understand and appreciate the importance of the theatre in our lives.

INDEPENDENT STUDY – DRAMA
0.5 credit, grades 11-12
Prerequisite:
Application
This course is designed for the student in grades 11 – 12 who desire a more intensive study in a particular discipline than the general curriculum provides. Before registration, each student must submit a work-study plan for the quarters signed by his/her parent/guardian. Upon approval, copies will be held by the student, the teacher, and their counselor. Weekly student- teacher conferences will be arranged to monitor the student's progress. The final project may be evaluated the entire department before a grade is granted.

INTRO TO TECHNICAL THEATRE
1.0 credit, grades 9–12
Intro to Technical Theatre will provide a hands-on approach to learning basic skills necessary for students involved in backstage production work. Students will develop a deeper understanding of theatre tech through script analysis, scenic design, set construction and tool usage, basic lighting and sound design, and stage management.

INTRO TO THEATRE
0.5 credit, grades 9–12 (Satisfies elective Speaking & Listening requirement)
This course will be an introductory course for any student who is interested in theatre. Students will learn about the history of theatre: from the Greeks, to the Elizabethans, to modern theatre. This course will also give students a small look at acting, as well as other careers in the field. Finally, this course would satisfy the speaking and listening requirement by getting a brief introduction to acting.

MUSIC

INDEPENDENT STUDY - Music
0.5 credit, grades 11-12
Prerequisite: Application
This course is designed for the students in grades 11-12 who desires a more intensive study in a particular discipline than the general curriculum provides. Before registration, each student must submit a work-study plan signed by his/her parent/guardian. Upon approval, copies will be held by the student, the teacher, and their counselor. Weekly student-teacher conferences will be arranged to monitor the student's progress. The final project may be evaluated by the entire department before a grade is granted. Students selecting this course must be able to work independently and responsibly.

MUSIC THEORY
First term only, 0.5 credit, grades 10-12
Prerequisite: Must have the ability to read standard music notation.
This course, open to 10th-12th graders, is designed for students who have a strong basic knowledge of music and would like to learn more about the shaping forces of music, music theory, and aural skills. Students will develop their knowledge of music theory from basic through advanced theory concepts, as well as developing their aural skills. Basic piano skills are not required, but are highly encouraged. No special materials are needed for this course.

INSTRUMENTAL MUSIC

Performance requirements: Membership in all music performance groups requires the student attend all performances of the group in which he/she is enrolled. Failure to appear may result in failure in that class and loss of credit. Exceptions include doctor's excuse, death in immediate family or any unusual circumstances as decided by director and/or principal.

CAMPUS BAND
1.0 credit, grades 9-12
This course is composed of primarily 9th graders, although students of any grade may participate. This course is designed for students who are still developing their musical skills. Students will prepare music for concerts throughout the school year, including band festival, while also developing fundamental skills and understanding to prepare them for more advanced ensembles. Attendance at all concerts is required. Participation at Solo and Ensemble Festival will be strongly encouraged as part of the curriculum. Students are responsible for purchasing certain materials for this course. Materials provided to students remain the property of LOCS (Lake Orion Community Schools).

CONCERT BAND
2.0 credits, grades 9-12 (9th graders by Audition) **(Terms 1, 2, 3, &4) Prerequisite: Open to Grade 9 by audition**
This course is composed primarily of 10th-12th graders (no audition necessary), as well as 9th graders (by invitation after successful audition). This course is designed for students who are looking to advance from basic/intermediate playing ability to more advanced playing ability. Students will prepare music for concerts throughout the school year, including band festival, while also developing their skills to prepare them for more advanced ensembles. Attendance at all concerts is required. Participation at Solo and Ensemble Festival will be strongly encouraged as part of the curriculum. 9th graders admitted into Concert Band will be expected to be in the class for all four terms, with the exception of Marching Band students who are recommended to not take Concert Band during the first term. Students are responsible for purchasing certain materials for this course. Materials provided to students remain the property of LOCS (Lake Orion Community Schools).

MARCHING BAND
First term only, 0.5 credit, grades 9-12 (Satisfies Physical Education requirement)
This ensemble will perform at all home football games and parades throughout the entire school year, as well as Saturday competitions throughout the first term. A schedule of performances will be available in May of the previous school year. All performances are required. Students must attend summer rehearsals, including the away band camp in August, to be a member of the marching band. There is additional cost for this course, and students are responsible for purchasing certain materials. Materials provided to the students remain the property of LOCS (Lake Orion Community Schools).

SYMPHONIC BAND
1.5 credits, grades 10-12 (Terms 2, 3, 4 only) Prerequisite: Open by audition
Open by audition only. This course is composed of 10th-12th graders. This course is designed for intermediate to advanced musicians with the desire to perform more advanced band literature. Students will prepare music for concerts throughout the school year, including band festival. Attendance at all concerts is required. Participation at Solo and Ensemble Festival will be expected as part of the curriculum. If chosen for this ensemble, it is desirable that band members remain in all terms of this class. If a conflict should occur, the student, after consultation with their counselor and the band directors, may opt out. Students are responsible for purchasing certain materials for this course. Materials provided to students remain the property of LOCS (Lake Orion Community Schools).

WIND ENSEMBLE
1.5 credits, grades 10-12 (Terms 2, 3, 4 only) Prerequisite: Open by audition
Open by audition only. This course is composed of 10th-12th graders. This course is designed for advanced musicians with the desire to perform advanced high school and collegiate band literature. Students will prepare music for concerts throughout the school year, including band festival. Attendance at all concerts is required. Participation at Solo and Ensemble Festival is expected as part of the curriculum. If chosen for this ensemble, it is desirable that band members remain in all terms of this class. If a conflict should occur, the student, after consultation with their counselor and the band directors, may opt out. Students are responsible for purchasing certain materials for this course. Materials provided to students remain the property of LOCS (Lake Orion Community Schools).

VOCAL MUSIC

Performance requirements: Membership in all music performance groups requires the student attend all performances of the group in which he/she is enrolled. Failure to appear may result in failure in that class and loss of credit. Exceptions include doctor's excuse, death in immediate family or any unusual circumstances as decided by director and/or principal.

CAMPUS CHOIR
1.0 credits, grades 9 –12
Campus Choir is a two-term course for incoming ninth-grade students and tenth, eleventh, and twelfth grade students who are not yet ready for a more advanced choir experience. Students will be taught to sing in three-part harmony. Correct vocal production is emphasized. Music reading is learned. Basic music theory and music history are introduced. Students will be involved in at least one required evening performance each term. Additional choir opportunities such as MSVMA Honor Choir, show choirs, and Solo & Ensemble Festival will be offered to those enrolled in class. Previous choir experience is not necessary. The class may be repeated. Students are responsible for purchasing materials for this course. Materials provided to students remain the property of LOCS.

CHAMBER CHOIR
2.0 credits, grades 10-12
Prerequisite: Campus Choir, Concert Choir, or Chorale and Audition
Chamber choir is a highly auditioned choir of the most advanced singers who will study collegiate level choral literature. Students typically have extensive vocal and even instrumental training and have the desire to be challenged by this level. Advanced sight singing, ear-training, history, and music theory as it applies to the choral literature will be included. Students will be expected to attend all performances including, but not limited to, evening concerts and MSVMA festivals as part of their grade. A concert uniform will be provided by the school. Students are responsible for purchasing materials for this course. Materials provided to the students remain the property of LOCS.

CHORALE
2.0 credits, grades 10-12 Prerequisite: Open by audition
The chorale will be comprised of advanced students. A full range of choral literature will be sung. Advanced sight-singing will be rehearsed. It is desirable that Chorale members remain in this class for the full year. If a conflict should occur, the student, after consultation with his/her counselor and director may opt out. All performances are required. Students are responsible for purchasing materials for this course. Materials provided to students remain the property of LOCS.

CONCERT CHOIR
2.0 credits, grades 10-12 Prerequisite: Open by audition
Concert Choir is the intermediate level choir. A full range of choral literature will be sung. Intermediate level sight-singing will be rehearsed. It is desirable that Concert Choir members remain in this class all year. If a conflict should occur, the student after consultation with his/her counselor and director may opt out. All performances are required. Students are responsible for purchasing materials for this course. Materials provided to students remain the property of LOCS.

PHYSICAL EDUCATION

REQUIRED COURSES

ADVANCED PHYSICAL EDUCATION
0.5 credit, grade 9 (Fulfills Physical Education requirement)
This class is designed for ninth-grade students that desire a more extensive focus on Physical Education that the general curriculum provides. Students will be expected to demonstrate higher levels of competency through a variety of activities that promote knowledge and skills. These activities include aquatics, team sports, lifetime sports and physical fitness.

HEALTH EDUCATION
0.5 credit, grade 9 (REQUIRED)
This is a class designed to Improve the student with knowledge and skills covering a wide range of health-related topics. Areas to be studied: mental, emotional, personal, family life health, nutrition, disease prevention and control, safety and first aid, substance abuse and human sexuality education. Issues dealing with consumer, community and environmental health will be included where appropriate.

PHYSICAL EDUCATION
0.5 credit, grades 9-10 (REQUIRED)
This required class is designed to improve the student's understanding of Physical Education as well as their physical, mental, social, and recreational skills. Areas to be studied include fitness concepts, personal fitness levels, exercise physiology, muscle anatomy and injury prevention. Students will participate in a variety of activities that all promote knowledge and skills. These activities include introductory aquatics, team sports, lifetime sports and physical fitness testing.

ELECTIVE COURSES

AQUATIC ACTIVITIES
0.5 credit, grades 10-12
Prerequisite: Physical Education or Advanced Physical Education
This class is open for both male and females. This class is designed to meet the needs of beginning and intermediate as well as competitive swimmers. Swimming activities and workouts will be designed to meet the needs of all levels of ability. This class will consist of swimming instruction and workouts while including aquatic sports and activities.

BASIC SWIMMING
0.5 credit, grades 9-12
Prerequisite: Physical Education or Advanced Physical Education
This course will include stroke and skill development, water related exercises and activities, and water safety skills. It includes swimming technique equivalent to the American Red Cross Level 5. Community Water Safety is presented as well as an exposure to water sports including water polo, water volleyball, and occasionally snorkeling. Course work includes bookwork and written assignments from Community Water Safety, aquatic based fitness activities and appropriate skill. Students must pass an assessment test.

CROSS TRAINING
0.5 credit, grades 10-12
Prerequisite: Physical Education or Advanced Physical Education
This is an elective course designed for students interested in improving, maintaining while advancing in their speed, strength, power, agility, and cardiovascular fitness. Cross training uses a variety of training methods to accomplish these standards. This course will allow the skills necessary to create a lifelong fitness level.

FUNDAMENTALS OF WEIGHT TRAINING
0.5 credit, grades 9-12
Prerequisite: Physical Education or Advanced Physical Education
This course is designed to give the students the opportunity to learn weight training concepts and techniques used for the beginner weightlifter. Students will learn the basic fundamentals of comprehensive weight training as well as a variety of strength training methods.

INDEPENDENT STUDY
0.5 credit, grades 10-12 Prerequisite: Application process
This course is designed for the student in grades 10-12 who desires a more intensive study in a particular discipline than the general curriculum provides. Before registration and the term begin, each student must submit a work-study plan for the term signed by her/his parent/guardian. Upon approval, one copy will be held by the student, one by the teacher and the third given to the counselor. Weekly student-teacher conferences will be arranged to monitor the student's progress. The final project may be evaluated by the entire department before a grade is given. Students selecting this course must be able to work independently and responsibly.

LIFEGUARD TRAINING
0.5 credit, grades 10-12
Prerequisites: Physical Education or Advanced Physical Education
This course will develop the student's swimming skills as well as muscular and cardiovascular endurance. It will provide the knowledge and skills designed to save his/her own life or the life of another in the event of an emergency. This training is intended to be a complete lifeguard training course in which certification from the Red Cross can be earned (Advanced Swimming, Lifeguard training, and community CPR. Students must pass an assessment test.

LIFELONG ACTIVITIES 1 and LIFELONG ACTIVITIES 2 (Formerly named Lifelong Sports 1 & 2)
0.5 credit, grades 9-12
Prerequisite: Physical Education or Advanced Physical Education
In this course, you'll dive into a variety of cool lifetime activities like volleyball, badminton, pickleball, tennis, and more. Whether you're looking to boost your fitness, learn new sports, or just find awesome ways to stay healthy, this class has got you covered. You'll pick up the essential skills, rules, and strategies to keep you in the game for life. Perfect for anyone who wants to stay active, have fun, and make fitness a part of everyday life!

POWER LIFTING CLASS 1 and POWERLIFTING CLASS 2
0.5 credit, grades 10-12
Prerequisite: Physical Education or Advanced Physical Education
This course is designed for the student who wants to improve their strength and power by using three events as their primary lifts: the squat, dead lift and bench press. Students will also use a variety of techniques as well as other training methods to enhance their performance. After Powerlifting 2, students may repeat the course additional times. These students will enhance their performance by continuing to improve their strength and endurance.

SPORTS CONDITIONING 1 and SPORTS CONDITIONING 2
0.5 credit, grades 10-12
Prerequisite: Physical Education or Advanced Physical Education
This course provides an opportunity for students interested in conditioning or athletics to develop a higher level of physical fitness. Students will improve their fitness levels in many ways through a variety of activities including, but not limited to endurance running, agility training, weightlifting, and circuit training. Multiple days each week will be devoted to work in the weight room where students will develop a better understanding of how to lift, spot, and maintain a high level of safety. As a final exam students will participate the famous Iron Man.

SPORTS OFFICIATING
0.5 credit, grades 10-12
Prerequisite: Physical Education or Advanced Physical Education
Would you like to stay involved with sports? Do you want to provide a valuable service? Would you like to contribute to the education of today's youth? Become a sports official! Men and women of all ages are needed to officiate youth sports at both the middle school, high school, and rec levels. If you love sports, have a "feel" for the game, and a basic knowledge of the rules, you can be an official. Students will work to apply the knowledge and skills gained to officiate multiple sports. Officiating rules from the MHSAA will be used as guides for this course. Upon successful completion of competencies in this course, a student will be able to register with the MHSAA and take the officiating exam.

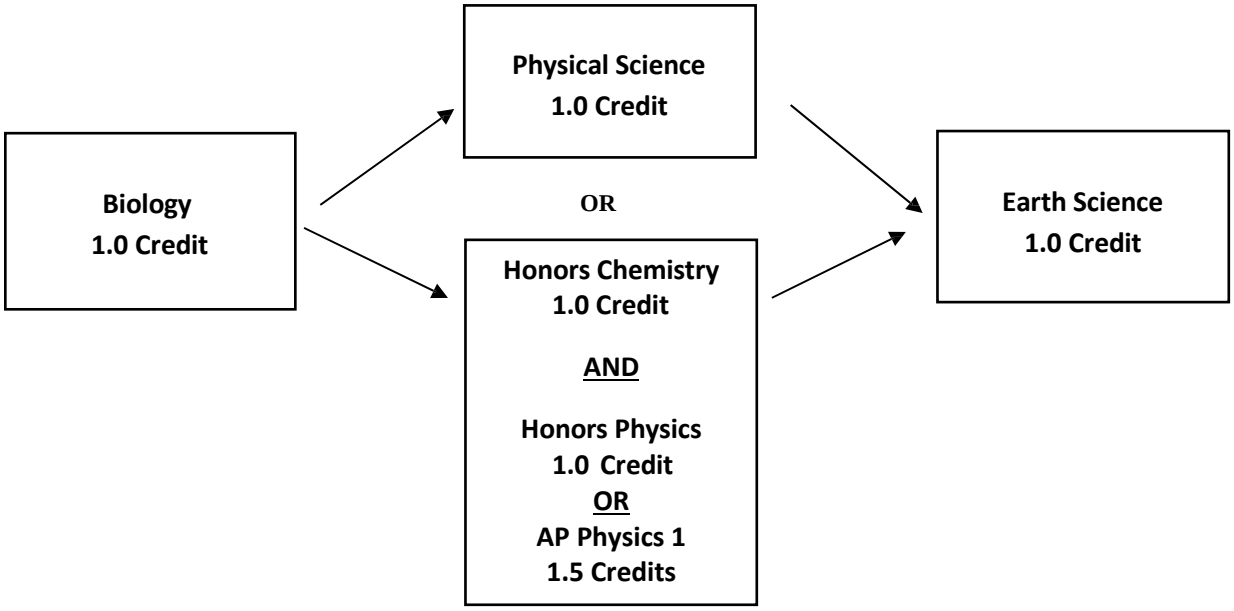
STRENGTH AND CONDITIONING – WOMEN ONLY
0.5 credit, grades 10-12
Prerequisite: Physical Education or Advanced Physical Education
An elective course for women only. This course is designed to take the student's strength and conditioning to a higher level. Students will participate in a variety of fitness activities including, endurance running, interval training, weightlifting, circuit training, trail running and yoga. Students will learn to navigate the weight room with confidence, learning proper spotting, lifting, and progression.

TEAM SPORTS 1 and **TEAM SPORTS 2**
0.5 credit, grades 9-12
Prerequisite: Physical Education or Advanced Physical Education
This is an elective course geared for the active student. Knowledge of rules, skills and strategy will be emphasized through participation in various team sports. Some activities to be covered will be floor hockey (winter), basketball, soccer (fall), softball, volleyball, and weight training. The importance of physical activities will be emphasized as they contribute to health and a good quality of life.

SCIENCE

Three (3) credits are required in Science for grades 9-12. The following options are available for students to complete the required curriculum content of Biology, Chemistry, Physics, and Earth Science:

SEQUENCE OF REQUIRED COURSES



AP BIOLOGY
1.5 credit, grades 10-12 (Senior Math-Related Course) Prerequisites: Biology
Advanced Placement Biology is a college level biology course adapted from the College Board AP Biology curriculum. The themes and curriculum are intended for students that have a strong academic background and intentions to study STEM topics beyond high school. The readings and laboratory activities are equivalent to those used in college. This course will provide students with the conceptual framework, factual knowledge, and analytical skills necessary to contribute to the rapidly changing science of biology. The assessments throughout this course are designed to prepare students for the Advanced Placement Exam. Chemistry is not a prerequisite for this course, but chemistry is a vital component of AP Biology. Students will be required to do assessed preparatory work prior to the start of the course. Reach out to a science instructor if you have questions regarding your readiness to take this course.

AP CHEMISTRY
1.5 credits, grades 10-12 (Senior Math-Related Course) Prerequisite: Honors Chemistry
AP Chemistry is the equivalent of a one-year college chemistry course, giving highly motivated students the opportunity to earn college credit by taking the AP Chemistry test. This course demands significant time, consistent effort, and strong commitment to mastering complex scientific concepts. Topics will include oxidation and reduction, electrochemistry, chemical kinetics and rate laws, reaction rates and mechanisms, equilibrium, acid/base chemistry, solutions and applications of thermodynamics.

AP ENVIRONMENTAL SCIENCE
1.0 credits, grades 11-12
Prerequisite: Earth Science or Earth Science co-requisite
This course follows the College Board AP Environmental Science curriculum. “Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.”

AP PHYSICS 1
1.5 credits, grades 10-12 (Senior Math-Related Course) Prerequisite: Biology
This course is designed to prepare students planning to take physics in college and may choose to take the AP Physics 1 Exam. Students will be exposed to solving a wide variety of problems using the principles and laws governing the behavior of the inanimate world around us. The topics covered are Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, and power, waves and oscillations and fluid dynamics. Laboratory experiments and a variety of other activities are used to assist learning. A strong math background is required.

AP PHYSICS 2
1.5 credits, grades 11-12 (Senior Math-Related Course) Prerequisite: AP Physics 1
This course is designed to prepare students planning to take physics in college and may choose to take the AP Physics 2 Exam. Students will be exposed to solving a wide variety of problems using the principles and laws governing the behavior of the inanimate world around us. The topics covered are thermodynamics, electricity and magnetism, optics, waves and sound, atomic, quantum and nuclear physics. Laboratory experiments and a variety of other activities are used to assist learning. A strong math background is required.

ASTRONOMY
0.5 credit, grades 10-12
This course provides coverage of major concepts in astronomy. Areas to be covered are history of space exploration, interesting /odd things in our solar system and beyond, Dark Energy and Dark Matter and Current Events. A self-study unit will allow students to explore their specific interest. Laboratory experiences will provide hands on reinforcement of concepts.

BIOLOGY
1.0 credit, grades 9-12 (REQUIRED)
Biology is an introductory life science course. Biology is intended to not only prepare students for the Biology portion of the MME but to also meet Michigan's high school graduation requirements. This course is aligned with the Michigan Science Standards (MSS). Topics include: Structure and Function, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, Inheritance and Variation of Traits, Natural Selection and Evolution, and Engineering and Design.

CHEMISTRY
1.0 credit, grades 10-12 (Senior Math-Related Course) Prerequisite: Physical Science
This course will provide students with a solid foundation of chemistry principles using the lab setting to reinforce the topics presented in the classroom. Chemistry exposes students to a variety of topics including naming and writing chemical formulas, reaction types, chemistry calculations, thermochemistry, gas laws, solutions, acids/bases, reduction/oxidation reactions, and organic chemistry. Students completing general Chemistry should consider enrolling in Organic Chemistry to continue their studies.

EARTH SCIENCE
1.0 credit, grades 10-12 (REQUIRED) Prerequisite: Biology
Earth Science is intended to prepare students for the Earth Science portion of the MME and to meet Michigan's high school graduation requirements. This course is aligned with the Michigan Science Standards (MSS). Topics include: Space systems, History of the Earth, Earth's Systems, Weather and Climate, Human Sustainability and Engineering Design.

FORENSIC SCIENCE I
0.5 credit, grades 11-12 (Senior Math-Related Course) Prerequisite: Biology
The students learn to apply concepts learned in biology, chemistry, and physics to the area of crime scene investigation. As a result, the course sets a priority on lab work, inquiry, STEM and problem-solving activities. Throughout the course, working as a team is stressed with a strong emphasis on daily contributions and attendance. Some assessments include investigative work by the group, and each team member, to solve various crime scenes.

FORENSIC SCIENCE II
0.5 credit, grade 11-12 (Senior Math-Related Course) Prerequisite: Forensic Science I
For students who wish to continue their study and practice of the application of science to crime scene investigation. As it covers advanced topics, a high level of science and some math is required. Students will extend topic learned in Forensic Science I with additional techniques and extensive application of math, within a continued emphasis on lab work, inquiry, STEM and problem-solving activities. Throughout the course, working as a team is stressed with a strong emphasis on daily contributions and attendance. Some assessments include investigative work by the group, and each team member, to solve various crime scenes.

GEOLOGY
0.5 credit, grades 10-12
This hands-on-elective earth science course will develop the vocabulary and conceptual knowledge necessary for presenting and explaining major environmental issues that face the world today. Topics of study include: minerals, rocks, limited resources, earth's interior, plate tectonics and erosional forces that reshape the earth's surface. This class frequents the outdoors for hands on study in all weather conditions with advance notice. Students may be required to change and bring adventure appropriate gear.

HONORS CHEMISTRY
1.0 credit, grades 10-12 (Satisfies the 1.0 credit of Physical Science if taken along with Honors Physics.) (Senior Math-Related Course)
Prerequisite: Biology and Algebra 1
Honors Chemistry provides an opportunity for students to develop in depth understanding of the major areas of chemistry. Students, who have a deep interest in science and expect to use chemistry knowledge in college and in their career, should enroll in Honors Chemistry, followed by AP Chemistry and/or Honors Organic Chemistry the next year. This course closely parallels freshman college chemistry and is academically demanding, with a high degree of self-discipline and responsibility expected of students. Topics will include inorganic chemistry, including gas laws, quantum theory, chemical bonding and quantities, solutions, thermodynamics, acid/base reactions, equilibrium systems, nomenclature and prediction of reaction products. Students will study these underlying principles while using mathematical skills during data analysis and problem-solving activities.

HONORS HUMAN ANATOMY AND PHYSIOLOGY
1.0 credit, grades 10-12 Prerequisite: Biology and Chemistry or Honors Chemistry
Honors Human Anatomy and Physiology is designed to prepare students for college anatomy and physiology and careers in health sciences. Students will explore the structure and function of the human body using a systems approach. Lab experiences will include dissections (cow eye, pig pluck, sheep brain), ABO/Rh blood typing, spinal and cranial reflexes, vitals before/after exercise, and more. This is a fast-paced, high-volume class that will require significant study time from home in preparation for assessments.

HONORS ORGANIC CHEMISTRY
0.5 credit, grades 10-12
Prerequisite: Honors Chemistry
This class focuses on carbon-based chemistry and is designed to give students an introduction to college level organic chemistry and the applications to their lives. Subject matter includes basic nomenclature, molecular structures, and functional groups of organic molecules. Labs will be conducted to give students hands on experience with fundamental labs such as distillation, chromatography, filtration and purification techniques. The class is meant to supplement previous chemistry courses and AP Chemistry. This class would be especially valuable for students considering careers in medicine, chemical engineering, nursing and material science.

HONORS PHYSICS
1.0 credit, grades 9-12 (Satisfies the 1.0 credit of Physical Science if taken along with Honors Chemistry.)
Prerequisite: Biology and Geometry/Honors Geometry
This course is designed to expose the students to a variety of physics topics. Students will study the following: Motion of Objects, Forces and Motion, Energy (Forms and Transformations), Electricity, and Waves. This course will differ from Physics in that use of algebra and basic trig functions will serve as tools to reinforce important concepts. A strong mathematics background is required. Students with a strong interest in Science and/or planning on a Science/Engineering career pathway are encouraged to take an AP Physics course sequence.

PHYSICAL SCIENCE
1.0 credit, grades 9-12 (REQUIRED) Prerequisite: Biology
Physical Science is an introductory course covering Chemistry and Physics topics. Physical Science covers the required performance expectations of the Michigan Science Standards. Topics of study include: Structure and Properties of Matter, Chemical Reactions, Forces and Interactions, Energy, and Waves and Electromagnetic Radiation.

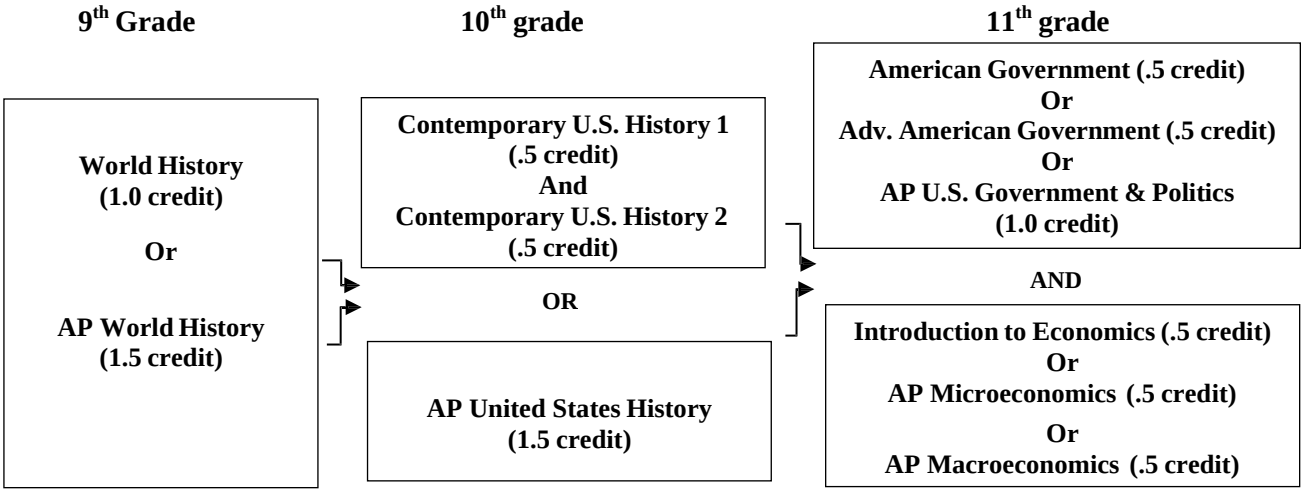
PHYSICS
1.0 credit, grades 10-12
Prerequisite: Physical Science and Algebra 1 -
This course is designed to expose students to a variety of physics topics. Students will study the following: motion of objects, forces and motion, energy (forms and transformations), electricity, and waves. While the focus of the course will be physics concepts, basic algebra skills will be used to help reinforce the concepts. Students with a strong interest for science and/or planning on a Science/Engineering career pathway are encouraged to take Honors Physics.

ZOOLOGY
1.0 credit, grades 10-12 Prerequisite: Biology
Zoology is designed for those students desiring greater experiences in the biological sciences. This two-term course covers animal anatomy and physiology along with classification of the animal kingdom. General areas of study include levels of organization, the anatomical and physiological characteristics of all major animal phyla, ecological adaptations, and laboratory techniques. Students will conduct labs including dissections and learning some of the characteristics used to identify local animal species. This course will also serve to familiarize students with educational and occupational opportunities in the field of zoology. Zoology is designed to prepare students for college science courses.

*See the CTE Health Science section of the Curriculum Handbook for additional courses pertaining to the medical field.

SOCIAL STUDIES

SEQUENCE OF REQUIRED COURSES



20TH CENTURY AMERICAN POPULAR CULTURE
0.5 credit, grades 10-12

This course is an exploration of the 20th century through the lens of American popular culture. We will explore American history through a focus upon the major areas in mass entertainment: sports & games, fashion, food & drink, motion pictures, radio, music, television and the "the way we live". Through readings, videos, and discussion, we will consider how each of these entities has both shaped and been shaped by critical developments of modern American history.

ABNORMAL PSCYHOLOGY
0.5 credit, grades 11-12

An emphasis will be placed upon the study of the abnormal personality. The goals of the course will include: to develop in students a better understanding of the abnormal and complex types of behavior evidenced among members of various societies and to guide the student in learning methods to relate theories, concepts, and research findings to one's own potential in living more effectively with oneself and others. To attain these educational ends, students will be focusing their attention on contemporary social trends and phenomena and their relationship to an individual's mental health and on a critical examination of the structure of the human psyche in familiarizing themselves with different psychoanalytic theories including those of Sigmund Freud and Carl Jung, to better realize how the personality functions both consciously and unconsciously.

ADVANCED AMERICAN GOVERNMENT
0.5 credit, grade 11

This is a survey course in American government concentrating on student writing skills, emphasizing analytical thinking skills and the application of the students' government knowledge to real life situations, including the study of case studies. Areas studied will include U.S. government institutions, groups, beliefs, and ideas that constitute U. S. political reality. Accelerated reading lists and writing demands will be utilized.

AFRICAN AMERICAN HISTORY
0.5 credit, grades 10-12
This course provides an overview of African American history and culture. Topics include major events, persons, and issues spanning the period from the African heritage to contemporary times. Students survey the evolution of African American expressive culture in music, literature, film, art, and dance. The course includes lectures, discussions, and video presentations. This course will look at an often overlooked, yet incredibly important, portion of American history. In the early weeks of the course, we will examine early facts and concepts that center around African Tribes and the years of slavery in the United States (including the origins of the slave trade; antebellum plantation-life for slaves, changes in American slavery patterns, etc.). The course will, however, primarily focus on the cultural strides (as well as continuing struggles). Although the history of African Americans is one of struggle and almost constant adversity, it is also one of strength and perseverance. In spite of the challenges, African Americans lived, loved, formed enduring communities, and created a unique culture. Since their involuntary arrival on the shores of North America during the early seventeenth century, Africans and their descendants confronted adversity by means of individual and collective action in numerous ways. The course explores these dimensions of the African American experience, and in so doing, highlights the multifaceted ways they made their own history while simultaneously shaping and contributing to the history of the United States.

AMERICAN GOVERNMENT
0.5 credit, grade 11 (REQUIRED)
This is a survey course dealing with national, state and local government, focusing on the executive, legislative, and judicial branches of each. Student units will include the U.S. Constitution and periodic consideration of current political/social events.

AP EUROPEAN HISTORY
1.5 credits, grades 10-12
AP European History is a challenging three term course. The purpose of this course is to increase students' understanding and appreciation of European history while helping students succeed on the AP European history exam. The AP European history course will help students develop and understand the main themes in modern European history including political and diplomatic, intellectual, and cultural, and social and economic history from the Renaissance through the 21st century.

AP MACROECONOMICS
0.5 credit, grades 11-12 (Satisfies the .5 credit economics requirement) (**Senior Math-Related Course**)
AP Macroeconomics is a course designed to provide students with a thorough understanding of the principles of economics in examining aggregate economic behavior. Students taking the course can expect to learn how the measures of economic performance, such as GDP, inflation, and unemployment, are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. Students will also learn the basic analytical tools of macroeconomics, primarily the aggregate demand and aggregate supply model and its application in the analysis and determination of national income as well as evaluating the effectiveness of fiscal policy and monetary policy in promoting economic growth and stability. Recognizing the global nature of economics, students will also have ample opportunities to examine the impact of international trade and international finance on national economies. Various economic schools of thought are introduced as solutions to economic problems are considered.

AP MICROECONOMICS
0.5 credit, grades 11-12 (Satisfies the .5 credit economics requirement) (**Senior Math-Related Course**)
The purpose of an AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy.

AP PSYCHOLOGY
1.0 credit, grades 11-12
The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

AP UNITED STATES GOVERNMENT AND POLITICS
1.0 credit, grades 11-12 (Satisfies the .5 credit American Government requirement)
AP United States Government and Politics will give students an analytical perspective on government and politics in the United States**.** This course will include both a study of general concepts used to interpret U.S. politics and an analysis of specific examples. Students will develop familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics, as well as explore theoretical perspectives and explanations for various behaviors. The course will involve expository, analytical, and argumentative writing; students will be expected to engage in outside readings selected from a reading list in addition to day-to-day class assignments. AP United States Government & Politics will provide a rigorous study of the American political system and should be selected by students eager to engage in such a study. (This class fulfills the eleventh-grade graduation requirement and may also be taken as an elective in twelfth grade.)

AP UNITED STATES HISTORY
1.5 credits, grades 10-12 (Satisfies the 1.0 credit U.S. History requirement)
This course will give students an analytical perspective on the history of the United States. It will include both a study of general concepts used to interpret U.S. History and an analysis of specific examples. Students will develop familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. History, as well as explore theoretical perspectives and explanations for various behaviors. The course will involve expository, analytical, and argumentative writing; students will be expected to engage in outside readings selected from a reading list in addition to day-to-day class assignments. AP U.S. History will provide a rigorous study of the American political system and should be selected by students eager to engage in such a study. In addition, the course will provide detailed preparation for the Advanced Placement exam which students may take in order to receive college credits. (This class fulfills the tenth grade U.S. History graduation requirement and may also be taken as an elective in the eleventh or twelfth grade).

AP WORLD HISTORY
1.5 credits, grades 9-12 (Satisfies the 1.0 credit World History requirement)
AP World History is a challenging three term course that is structured around the investigation of selected themes and key concepts covering distinct chronological periods. AP World History is equivalent to an introductory college survey course. The course has a three-fold purpose. First, it is designed to prepare students for successful placement into higher-level college and university history courses. Second, it is designed to develop skills of analysis and thinking in order to prepare students for success in the twenty-first century. Finally, it helps students build a respect and interest in world history and cultures. Students will demonstrate mastery of the course goals by taking part in the College Board AP World History exam in May. (This class fulfills the ninth-grade graduation requirement and may also be taken as an elective in the eleventh or twelfth grade).

CONTEMPORARY SOCIAL PROBLEMS
0.5 credit, grades 10-12
This course is designed as a discussion class. It offers an introduction to some of the most pressing social problems of today. Students will examine such typically discussed problems as family related crises, social deviance, juvenile delinquency, drug and alcohol abuse and societal discrimination as they affect the student in relating to others and the culture within which they live.

CONTEMPORARY UNITED STATES HISTORY 1
0.5 credit, grade 10 (REQUIRED)
This course is designed to help students understand the development of the United States from 1870 to 1945. It begins with the growth of an industrial, urban, and global America and the Spanish American War. The course continues into the progressive era of Teddy Roosevelt. The events leading up to World War I are studied, the United States' role in the war and the subsequent search for peace. Further studies include the 1920's, the Great Depression of the 1930's, World War II, Roosevelt's handling of the Second World War, and Truman's decision to drop the Atomic bomb.

CONTEMPORARY UNITED STATES HISTORY 2
0.5 credit, grade 10 (REQUIRED)
Contemporary United States History 2 focuses on the post-World War II era 1945 to present. Major topics include: Cold War, Korean Conflict, Red Scare, era of Camelot, Cuban Missile Crisis, Kennedy assassination, Lyndon Johnson's Great Society, Civil Rights Movement, assassinations of Martin Luther King Jr. and Robert Kennedy, America's role in Vietnam, Nixon administration, Watergate, Gerald Ford and the end of the Vietnam War, feminist movement of the 1970's, Jimmy Carter and the energy crisis, Reagan era, fall of the Soviet Union, end of the Cold War, Bill Clinton and America's role as the dominant super power, and September 11, 2001 terrorist attacks.

CURRENT GLOBAL ISSUES
0.5 credit, grade 12
This course is an elective designed for seniors who have completed all Social Studies requirements. The course will provide an opportunity for students to explore current, relevant, global issues that have social, political, economic, military, and technological implications for our world and community. Students and instructors will jointly develop specific units of study with an emphasis on individual/group research and presentation. Sample units might include U.S. policy in the Balkans, international terrorism, espionage, drug trade, economic interdependence among nations, etc. The course will allow students to pursue their own self-interests and to better understand global and cross-national issues.

HISTORY OF ETHNIC AND GENDER STUDIES
0.5 credit, grades 10-12
This course will focus on the representation of gender roles (roles of men and women) within various ethnic groups and also focus on gender roles, in general, in society. The course will focus on the representation of these gender roles and ethnic groups in society, history, social media, film, and in text. An attempt will be made to identify myths and empower individuals to overcome and uncover societal stereotypes. The students will engage in various historical and contemporary (current) perspectives. The course will incorporate a culminating project (final exam) on a current issue that will pertain to an ongoing gender role and/or ethnic group issue. The course will involve guest speakers and field trips in order to explore and learn about various gender role topics and ethnic group topics.

HISTORY THROUGH FILM
0.5 credit, grades 9-12
This course will look at history as represented through feature films and documentaries. Quite often, history is given the "Hollywood treatment" to make it more appealing to the masses, but are these films really historically accurate? This class will look at the fact and fiction behind some popular American films covering genres such as war, presidents, and social issues. Students will have a final project which will culminate in expressing what they have learned by critiquing an individual film on their own and presenting their finding to the class.

HISTORY OF WORLD RELIGIONS
0.5 credit, grades 9-12
Students examine major world religions, including Hinduism, Buddhism, Judaism, Christianity, Islam, and Sikhism. Students examine the concept of faith and the role faith plays in all religions. Students recognize common stereotypes associated with different world religions. Within each religion, students examine the sacred texts, houses of worship and moral code. Students explore different rituals associated with each religion, including marriage, death, and rites of passage rituals. Students differentiate between how each religion is practiced in its place of origin and how it is practiced in the United States. Students will listen to speakers from each religion and ask questions to clarify their understanding of the religion. In writing, students reflect on what they learned from the field trips, guest speakers, and assignments. Students work in small groups on presentations about different religions.

INTRODUCTION TO ECONOMICS
0.5 credit, grade 11 (REQUIRED)
This basic introduction to economics will involve a survey of the following areas of economics: consumerism, business organizations, economic philosophy, role of government in the economy, money and banking and international trade.

INTRODUCTION TO PSYCHOLOGY, PART 1
0.5 credit, grades 9-12
This course is an introduction to the study and field of psychology. Students will be presented a variety of different ideas, theories, and research studies from both past and present. The course aims to develop a curiosity for further study and to assist the student in viewing human behavior patterns in a scientific manner. Topics covered in part 1 include: 1) what is psychology, 2) the biology of the mind, 3) nature/nurture and human diversity, and 4) developmental psychology.

INTRODUCTION TO PSYCHOLOGY, PART 2
0.5 credit, grades 9-12
Prerequisite: Introduction to Psychology, Part 1
This course is an introduction to the study and field of psychology. Students will be presented a variety of different ideas, theories, and research studies from both past and present. The course aims to develop a curiosity for further study and to assist the student in viewing human behavior patterns in a scientific manner. Topics covered in part 2 include: consciousness & the mind, sensation & perception, learning & memory, and thinking, language, & intelligence.

INTRODUCTION TO SOCIOLOGY
0.5 credit, grades 10-12
Sociology is the study of human relationships. The intent of this course is to introduce the basics of sociology through the study of concepts, principles, and sociological theories. The students will think like sociologists, enabling them to view their own lives within a global, social, and historical context. The students will be exposed to a wide variety of case studies from cross-cultural and historical sources.

LEADERSHIP 9
0.5 credit, grade 9
Prerequisite: Application process
Leadership 9 is designed as a leadership building class. Applicants apply at the 8th grade level and are put through an interview process by high school staff. In Leadership 9, students will learn to communicate effectively with faculty, administration, and the community. Membership in the class will require a student to have a desire to help improve his/her school environment through special activities sponsored by the Leadership Development Workshop. Projects include the study of problems within the school, service projects when council is called upon to help in activities such as curriculum programs, sporting evets, etc. Due to the nature of leadership activities, membership is limited to students who can commit themselves to occasional after school and evening hours.

LEADERSHIP DEVELOPMENT WORKSHOP
0.5 - 1.0 credit, grades 10-12
Prerequisite: Application process
Student Council is designed as a center for the communication of ideas of students, faculty, administration, and the community. Membership in council requires a student to have a desire to help improve his/her school environment through special activities sponsored by the council. Projects include the study of problems within the school, service projects when council is called upon to help in activities such as curriculum programs, sporting events, etc. Council is responsible for the yearly homecoming activities each fall. Due to the nature of council activities, membership is limited to students who can commit themselves to occasional after school and evening hours.

MONEY AND INVESTMENTS
One term, 0.5 credit, grades 11-12 (Senior Math-Related Course)
Prerequisite: Economics, AP Macroeconomics, or AP Microeconomics
This course will introduce the student to the world of investments and to everyday economic issues. Areas covered will be personal record keeping, taxes, risk management, real estate, securities, and retirement planning.

WORLD HISTORY
1.0 credit, grade 9 (REQUIRED)
World History focuses on the interaction between diverse human societies primarily over the past 1,500 years. The objective is for students to develop a greater comparative understanding of the ways in which human groups have come into contact and interacted with one another, including systems of communication, migration, commercial exchange, conquest, and cultural diffusion. The course will focus heavily on Asia, Africa, Latin America, the Middle East, Europe and North America. This class provides a global perspective on the past. Understanding a global perspective has become an essential tool of citizenship. We will examine the development of political, social, economic, and cultural traditions that have shaped the world since the fall of the Roman Empire.

SPECIAL EDUCATION

Students with an Individual Education Plan (IEP) who are working toward a high school diploma must meet the requirements of the Michigan Merit Curriculum and take the Michigan Merit Exam(s). For the most current information about graduation requirements, please visit the Michigan Department of Education (MDE) website at www.michigan.gov/highschool as state laws and requirements may change from year to year.

The following courses provide specially designed instruction to support students' IEP goals and objectives. The course(s) may be taken with or in lieu of similar named general educations courses to meet the state's graduation requirements. All placements are determined by an annual Individual Educational Planning Team Meeting (IEPT). Content area courses that replace an equivalent general education course will fulfill the graduation requirement with a Personal Curriculum developed and supported by the IEPT. A student may be enrolled in a course more than once as deemed appropriate by the IEPT to support IEP goals and objectives. Course availability is determined during the annual scheduling process and prioritized based on student enrollment and individual needs.

LANGUAGE ARTS:

LRC English
0.5 - 1.0, grades 9-12 (Satisfies Speaking and Listening requirement)
This course includes curriculum in reading, composition, grammar, and vocabulary. Specially designed instruction is the primary focus in the areas of reading comprehension, basic reading, written expression and reading fluency. Students will study short stories, poems, and novels aligned with the state expectations. Students will explore both narrative and expository text in a variety of genres. Instruction will also include the practical use of language including vocabulary study, grammar, and mechanics.

LRC ELA LAB
0.5 credit, grades 9-12 (Satisfies Speaking and Listening requirement)
This course is designed for students who have IEP goals and objectives in the areas of reading comprehension, reading fluency and writing. Students will receive intervention for word recognition, vocabulary, reading fluency, and reading comprehension strategies. Writing strategies will also be incorporated to improve paragraph writing. This course is in addition to general education ELA course and will be an elective credit.

MATHEMATICS:

LRC MATH STRATEGIES
1.0 credit, grades 9-12
This course is designed for students who have IEP goals and objectives and require specially designed instruction in the areas of math problem solving and math reasoning. Patterns, relationships, and functions of numbers will be explored along with number sense. Students will practice math skills and learn techniques to remember math processes. Students will also learn to use a calculator properly to solve multi-step problems and identify situations in which one could be used.

LRC PRE-ALGEBRA
1.0 credit, grades 9-12
Prerequisite: Equivalent content in middle school, or IEPT decision
This course is designed for students who have IEP goals and objectives and require specially designed instruction in the areas of math problem solving and math reasoning. Students will be provided with in-depth, sequential skill building of foundational math concepts. Multisensory strategies will promote problem-solving proficiency, vocabulary development, and mathematical knowledge. The content focuses on whole number concepts, fractions, decimals, mixed numbers, percentages, exponents, units of measurement, geometry, analyzing data and displaying data related to the Michigan Merit Curriculum.

LRC CONCEPT OF ALGEBRA
1.0 credit, grades 9-12
Prerequisite: LRC Pre-Algebra, or equivalent content in middle school or IEPT decision.
This course is designed for students who have IEP goals and objectives and require specially designed instruction in the areas of math problem solving and math reasoning. Students will be provided with in-depth, sequential skill building of foundational algebra concepts. Multi-sensory strategies will promote problem solving proficiency, vocabulary development, and mathematical knowledge. The content focuses on algebraic reasoning including: properties, linear and non-linear equations, inequalities, functions, square roots, irrational numbers, estimation, ratio and proportions. Students will engage in multi-step problems and develop critical thinking skills needed for higher mathematics.

LRC CONCEPTS IN GEOMETRY
1.0 credit, grades 9-12
This course is designed for students who have IEP goals and objectives and require specially designed instruction in the areas of math problem solving and math reasoning. It is designed to introduce students to topics in Geometry. Students will study plane geometry which will include points, lines, angles, perimeter and properties of triangles, quadrilaterals, polygons and theorems. Students will also study solid geometry which will include surface area and volume.

LRC MATH LAB
0.5 credit, grades 9-12
This course is designed for students who have IEP goals and objectives and require specially designed instruction in the areas of math problem solving and math reasoning. Topics include basic operations with whole numbers, decimals, and fractions. Students who demonstrate proficiency in these areas but struggle with algebraic concepts will study the main ideas of number sense, algebra, probability and statistics. Various evidence-based strategies to write and solve math problems and manipulate equations will be presented and practiced. This course is to be in addition to a student's general education math course and will be elective credit.

ELECTIVE COURSES:

LRC INDEPENDENT STUDY
0.5 credit each term, grades 9-12 Prerequisite: IEPT decision
This course is designed for special education students in grades 9-12. This course can be utilized when a special education student needs to earn credit to meet the Michigan Merit Curriculum outside the traditional classroom environment and/or needs to work on goals/objectives identified by the IEPT.

LRC LIFE SKILLS
0.5 credit, grades 9-12
This course is designed for students with social communications goals determined by their Individual Education Plan Team (IEPT). Students will explore a wide variety of topics to support their ability to effectively manage the demands and challenges of everyday life. Topics include, but are not limited to: organization, time management, work completion, perspective taking, verbal and non-verbal communication, conversation techniques, peer relationships, transition and vocational skills utilizing a variety of practices. Community based experiences may also be incorporated in the course to aid in the practice of achieving the skills learned and apply such skills in real world setting. Students will take this course for more than one term annually unless deemed inappropriate by the IEPT. This course is considered an elective credit.

LRC STUDY SKILLS
0.5 credit, grades 9-12
This course is designed for students who have IEP goals and objectives and require specially designed instruction. Students will learn appropriate strategies to work toward independence in the general education setting. This course is considered an elective course for credit.

LRC T.E.A.M. - Together Everyone Achieves More
0.5 credit, grades 9-12
This course is designed for students who have IEP goals and objectives and require specially designed instruction. This course will meet the affective needs of the student and reinforce social skills. Students participate in a variety of team building activities, including participating in the challenge rope course. Students will demonstrate the ability to manage their behavior in any social setting and increase intra/interpersonal skills. Students may take this course for more than one term, and it is considered an elective credit.

The following LRC courses are designed for students who need an individualized curriculum and specialized design instruction in essential skill areas, following the State of Michigan's Essential Elements. These courses are intended for students who are not working toward the *Michigan Merit Curriculum* diploma requirements. Students who participate in these courses will earn a *Certificate of Attendance* rather than a high school diploma. All placements are determined by an annual Individual Educational Planning Team (IEPT). A student may take a course more than once if deemed appropriate by the IEPT to support the student's learning and progress on IEP goals and objectives.

DAILY LIVING
0.5-1.0 credit, grades 9-12
This course is designed to help students develop independent daily living skills. Topics include social and communication skills, time management, self-care, food, and nutrition. Students will take this course for more than one term annually and may be repeated to meet the needs of the student.

VOCATIONAL ENGLISH
1.0 credit, grades 9-12
This course is designed for students who require individualized instruction in basic reading and writing skills. The course curriculum and student's individual goal and objective(s) will align with the State of Michigan Essential Elements for Reading Literature, Informational Text Reading, Vocabulary and Knowledge of Speaking, Listening and Writing. Students will take this course for more than one term annually and may be repeated to meet the needs of the student.

VOCATIONAL MATH
1.0 credit, grades 9-12
This course is designed for students who require individualized instruction in basic mathematics and reasoning skill areas. The course curriculum and student's individual goal and objective(s) will follow the State of Michigan Essential Elements for Number and Operations, Measurement and Data, Geometry, Fractions, and Ratios & Proportional Relationships. Students will take this course for more than one term annually and may be repeated to meet the needs of the student.

PRE-VOCATIONAL WORK EXPERIENCE
0.5 credit, grades 9- 12
This class introduces universal work skills, habits, and attitudes that are necessary for independent employment. Students practice various jobs in the classroom with support and work their way independently completing tasks. The course is hands on and encompasses the *Michigan Department of Education Career and Employability Skills* including teamwork, negotiation skills, personal management and problem solving. Students will take this course for more than one term annually and may be repeated to meet the needs of the student.

WORK BASED LEARNING
0.5 to 1.0 credit, grades 11-12 Prerequisite: IEPT decision
This course is designed to support the further development of employability skills and job exploration beyond the prevocational classwork. This work experience does not necessarily have to relate to a student's career interest or training. The placement will focus on appropriate skills needed to be independent in the workplace and all placements are determined by the IEP team.

WORLD LANGUAGES

In World Language courses, students learn to listen, read, write, and speak in the target language and explore products and practices of the target cultures. The Michigan Merit curriculum requires students to complete 2.0 credits in a World Language of their choice or demonstrate equivalent proficiency. Many colleges also require 2.0 credits for college entry, and some are requiring World Language for graduation. Completing 2.0 credits of language study at Lake Orion may fulfill your college requirement. Some Lake Orion graduates have earned college credit or have placed out of first or second-year college classes because of their high school language classes. It is in your best interest to research a few colleges so that you make appropriate choices.

Based on state revisions passed in 2014, students may fulfill the world language graduation requirement through one of the following options:

Option 1	**World Language Level 1 – 1.0 credit**	→	**Same World Language Level 2 – 1.0 credit**
Option 2	**World Language Level 1 – 1.0 credit**	→	**1.0 credit by completing a CTE Program or Curriculum***
Option 3	**World Language Level 1 – 1.0 credit**	→	**1.0 credit of any approved Visual, Performing, or Applied Arts**

***To fulfill 1.0 credit of world language through a CTE Program or Curriculum, a student must either successfully complete an OSTC program or one of the programs on pages 20-34.**

**** Visual, Performing or Applied Arts courses are denoted with an "A" in front of their name on pages 14-19.**

FRENCH SEQUENCE OF COURSES

FRENCH 1
1.0 credit, grades 9-12
Students will speak, read, write, and understand basic French using greetings and courtesy, applying numbers to tell time, and quantify items. They will become comfortable describing their interests and surroundings, themselves, family, and friends. They will discover and analyze French culture and values in the context of their own. Students will acquire a geographic knowledge of the Francophone world. Dynamic, multi-faceted activities will promote real world application of the language.

FRENCH 2
1.0 credit, grades 9-12 Prerequisite: French 1
Students will speak, read, write, and understand basic French using the past, present, and near future tenses. They will be exposed to weather, food, clothing, chores, and household items. They will discover and analyze French and African culture in the context of their own. A mélange of activities will promote global awareness and real-world application of the language.

FRENCH 3
1.0 credit, grades 9-12 Prerequisite: French 2
Students will speak, read, write, and understand intermediate French, using real world applications of the language. They will be exposed to holidays, family, food, stores, school, and technology. Students will acquire a knowledge of Francophone culture from around the globe. They will use this information to analyze and compare to their own. Students will experience a more in depth understanding of the French language via multi-faceted activities and projects.

FRENCH 4
1.0 credit, grades 9-12 Prerequisite: French 3
Students will speak, read, write, and understand intermediate French using a wide variety of verb tenses. Students will explore childhood, animals, travel, health, and daily routines. They will discover and analyze French literature and text. Students will continue to explore Francophone culture from around the world. They will participate in dynamic activities using real world application in order to fine tune their understanding of the French language.

ADVANCED FRENCH GRAMMAR AND LITERATURE (Not offered 2026-2027)
1.0 credit, grades 9-12
Prerequisite: French 4 Advanced French Grammar and Literature takes students on a journey into Africa, North America, and the Caribbean. Students take a safari, explore undersea life and read rich text using authentic vocabulary and more complex verb conjugations. Students will also increase their ability to speak French using interesting phrases and dialogues.

ADVANCED FRENCH LANGUAGE AND CULTURE (Not offered 2026-2027)
1.0 credit, grades 9-12
Prerequisite: French 4 Advanced French Language and Culture explores French speaking Europe and Africa. Students get a taste of fashion, food, friends, and family. Students will develop their ability to use more complex verbs, vocabulary, and grammatical structures. Students will also increase their ability to speak French using more complex dialogue.

GERMAN SEQUENCE OF COURSES

GERMAN 1
1.0 credit, grades 9-12
German 1 is an introduction to the German-speaking world, the German language, and the cultures of German-speaking countries. Students will develop their interpersonal, interpretive, and presentational skills in German while learning to talk about themselves, their family, and their interests. Students will also learn about the culture of the German-speaking world and will make comparisons between it and their own culture.

GERMAN 2
1.0 credit, grades 9-12 Prerequisite: German 1
German 2 is a continued exploration of the German-speaking world, the German language, and the cultures of German speaking countries. Students will further strengthen their interpersonal, interpretive, and presentational skills in German while learning about traveling, their daily routines, and holidays and celebrations. Students will also continue to strengthen their understanding of the German-speaking world's culture.

GERMAN 3
1.0 credit, grades 9-12 Prerequisite: German 2
German Conversation and Composition is a continued exploration of the German-speaking world, the German language, and the cultures of German-speaking countries. German Conversation and Composition students will listen, read, speak, and write about their future plans, their dream jobs, and fairy tales. The primary goal of this course is to further develop students' interpersonal, interpretive, and presentational skills in German. Although the focus of this course is on communication and intercultural competency, the units of study also support cross-curricular content, including the arts, health, science, language arts and social studies.

GERMAN 4
1.0 credit, grades 9-12 Prerequisite: German 3
German Culture and History is a continued exploration of the German-speaking world, the German language, and the cultures of German-speaking countries. German Culture and History students will listen, read, speak, and write about their future world, cultures, stereotypes, health and fitness, and the history of divided Germany. The primary goal of this course is to further develop students' interpersonal, interpretive, and presentational skills in German. Although the focus of this course is on communication and intercultural competency, the units of study also support cross-curricular content, including the arts, health, science, language arts and social studies.

AP GERMAN LANGUAGE AND CULTURE
1.0 credit, grades 10-12
Prerequisite: German 4
AP German Language and Culture emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. AP German Language and Culture strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in German. AP German Language and Culture engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). AP German Language and Culture consists of six thematic units: Families in Different Societies, The Influence of Language and Culture on Identity, Influences of Beauty and Art, How Science and Technology Affect Our Lives, Factors that Impact the Quality of Life, and Environment, Political, and Societal Challenges.

SPANISH SEQUENCE OF COURSES

SPANISH 1
1.0 credit, grades 9-12
Spanish language and cultures of Spanish-speaking countries. Students will develop basic interpersonal, interpretive, and presentational skills in Spanish as they learn to talk about themselves, their family, and their interests. Students will learn about the culture, values, and daily life of Spanish-speaking communities and be able to compare them to their own.

SPANISH 2
1.0 credit, grades 9-12 Prerequisite: Spanish 1
Spanish 2 students further develop their interpersonal, presentational, and interpretive skills in Spanish. They will continue to communicate about themselves and others, while beginning to use more complex grammar including basic past tense. Students will acquire a deeper knowledge of the Spanish-speaking world and be able to compare those customs to their own.

SPANISH 3
1.0 credit, grades 9-12 Prerequisite: Spanish 2
Spanish 3 students will continue to strengthen their interpersonal, presentational, and interpretive skills in Spanish. Students will be expected to use more complex grammar and vocabulary (including the past tenses) while discussing familiar and unfamiliar topics relating to other cultures. Students will continue to make connections between their lives and Spanish-speaking communities.

SPANISH 4
1.0 credit, grades 9-12 Prerequisite: Spanish 3
Spanish 4 students will sharpen their interpretive, interpersonal, and presentational skills in Spanish. They will be expected to use the language for more prolonged tasks and at a higher level (including past tenses, future tense, and subjunctive). Students will continue to study Spanish-speaking communities and the impact on our lives.

SPANISH 5
1.0 credit, grades 9-12 Prerequisite: Spanish 4
Spanish 5 students will polish their interpretive, interpersonal, and presentational skills in Spanish. They will be expected to participate in more challenging and lengthy tasks, discussions, and presentations in Spanish. They will use a variety of complex grammar to complete these tasks. Students will continue to discuss the global impact of Spanish-speaking communities.

AP SPANISH LANGUAGE AND CULTURE
1.0 credits, grades 11-12 Prerequisite: Spanish 5
The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language & Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

DIVERSIFIED CURRICULUM
COURSE DESCRIPTIONS

Lake Orion High School offers a variety of programs that enhance our curricular offerings. You may want to consider some of the following:

ADVANCED PLACEMENT

The Advanced Placement (AP Program) sponsored by the College Board, was created in 1955 as a cooperative educational endeavor between secondary schools and colleges/universities. It exposes high school students to college level material through involvement in an AP or Honors course, and it gives them the opportunity to demonstrate that they have mastered it by taking an AP examination. The AP program enriches the secondary school experience of students who are willing and able to apply themselves to college level studies and provides the means for colleges to grant credit, placement, or both, to students who have successfully done so.

Participation in an AP course is based upon the following: the student's preparation for the course, their willingness and ability to meet its academic challenges, and the level of support they have from family and friends.

The following are a list of the AP Courses offered at LOHS:

AP Biology
AP Calculus AB
AP Calculus BC
AP Chemistry
AP Computer Science A
AP English 11 Lang. Arts & Comp
AP English 12 Literature & Comp
AP Environmental Science
AP European History
AP German Language & Culture
AP Macroeconomics
AP Microeconomics
AP Physics 1
AP Psychology
AP Spanish Language & Culture
AP Statistics
AP Studio Art (Drawing, 2D, 3D)
AP U.S. Government & Politics
AP United States History
AP World History

Courses that may also prepare students for taking an AP Exam are:

Adv. French Language & Culture
Adv. French Grammar & Lit

BLENDED LEARNING

Blended learning is a method which combines traditional face-to-face activities with online education. A blended learning classroom uses technology to transform and improve the learning process. A blended learning class can reach and engage students in a more customizable way. Students learn, at least in part, through online delivery of content and instruction with some element of student control over time, place, path, or pace (this will vary from class to class and instructor to instructor). This may include the opportunity for students to work off-site during the blended class period provided requirements for off-site participation are met. **Blended learning classes are available to eleventh and twelfth grade students**.

For the 2026-2027 school year, there may be sections of the following courses taught through Blended Learning:

20th Century American Pop Culture
Abnormal Psychology
Accounting 1
Advanced American Government
African American History
American Government
AP Government
AP Psychology
Astronomy
Business Mngt. & Entrepreneurship
Child Development
English 11
Expos. Reading & Writing
History of Ethnic/Gender Studies
History of World Religions
History Through Film
Intro to Economics
Intro to Psychology 1
Intro to Psychology 2
Intro to Sociology
Money/Investments
Sports Officiating

DRAGON VIRTUAL

To provide virtual programming options to students, Lake Orion High School has partnered with Pearson Connexus. The Connexus platform offers students a range of academic classes that closely align with our in-person courses. In addition, students have the opportunity to select from a robust catalogue of elective courses. With Pearson Connexus, students can coordinate with their counselors to develop a schedule that meets their interests and fulfills all necessary LOHS graduation requirements. Depending on their current academic progress, students may take a full or part-time schedule (combining virtual with in-person classes).

In the Connexus platform, a Pearson-provided Michigan certified teacher delivers instruction to students enrolled in the respective class. However, approximately 95% of the learning program is composed of independent (asynchronous) tasks. Students have the option of attending live office hours, but they are not required. Grading and assessment of learning is managed entirely by the Pearson teacher. Students participating in Connexus classes are given daily (and weekly) progress goals for each class during the academic term. The platform explicitly communicates students' progress and academic achievement as they work towards completion of the class. Regarding the calendar, the terms, semesters, and holiday breaks for Dragon Virtual learning are directly aligned with LOHS's in-person schedule. LOHS assigns a staff member to serve as a mentor to all virtual learning students. The mentor provides basic oversight, progress monitoring, and weekly communication.

To succeed in virtual learning, a student should be motivated to work independently and must demonstrate disciplined time management. Students have the autonomy to develop their own schedules, allocating their time appropriately in the virtual learning platform. However, it is critical for students to stay on-track with their assigned progress goals. In general, virtual (independent) learning demands good reading comprehension skills and abilities. The Pearson Connexus program provides a virtual learning option, but it is not necessarily a good fit or the appropriate mode of delivery for some students. **An application, contract, and parental consent are required for all Dragon Virtual courses.** Parents and students should discuss Dragon Virtual with their counselors before making the decision to apply.

ENGLISH LANGUAGE DEVELOPMENT (ELD) PROGRAM

ELD staff is available to work with students with limited English proficiency, English Learners (ELs), whether it be in a small class setting or general education classroom. Initial placement in the ELD program is determined by the Home Language Survey portion of the Lake Orion Community Schools enrollment form and the WIDA Screener. The WIDA ACCESS English proficiency assessment is administered to active EL students each spring until a specific proficiency score is achieved. Students are then monitored for academic success.

ENGLISH LANGUAGE DEVELOPMENT (ELD)

.5 credit, grades 9-12

Prerequisite: Placement by ELD Teacher or High School Guidance Counselor

For English Learners (ELs) who are new to the United States and/or are of Proficiency Level 1 by WIDA English Language Development Standards. This course will assist the EL student in acquiring the basic skills of listening, speaking, reading, and writing in English. Immediate needs of communication and cultural adaption are met in a setting that nurtures and refines beginning language acquisition. Students may repeat the course as needed.

LOHS HOMEROOM

Periodically throughout the school year, LOHS will employ a Wednesday schedule that is embedded with a 30-minute advisory period. Traditionally, the advisory period is referred to as "Homeroom". Students are assigned to their homeroom class and teacher based upon grade level and alphabetical orientation. The focus of each advisory period is generally related to building initiatives, logistical considerations, and student needs.

OAKLAND SCHOOLS TECHNICAL CAMPUS

Lake Orion High School juniors and seniors have the opportunity to enroll at Oakland Schools Technical Campus (OSTC). OSTC is a valuable extension of high school and brings students customized self-directed learning that guides you toward future career success. At OSTC, students can find career direction, fulfill high school graduation requirements, earn college credits, join student organizations, and make new friends who share their interests. Whether you plan to attend OSTC to get a jump on college credit offerings or earn industry-based certifications to immediately pursue a career, OSTC's industry and educationally certified staff will guide you in reaching your career goals. Students will attend either the morning or the afternoon session along with students from Pontiac, Avondale, Rochester, and Oxford school districts. Students will earn four (4) credits at Lake Orion High School and four (4) credits at OSTC per year. **Bus transportation is available for all students attending OSTC.**

Northeast (Pontiac) Campus
1371 N. Perry Street
Pontiac, MI 48340
248.451.2710

Northwest (Clarkston) Campus
8211 Big Lake Road
Clarkston, MI 48346
248.922.5802

Agriscience and Environmental Technologies
(Clarkston Campus)
4.0 credits per year, grades 11-12

- Work alongside professionals in hydroponics, veterinary science, sustainable agriculture, environmental engineering, and conservation
- Conduct dynamic hands-on activities and experiments in animal, plant, and environmental sciences
- Use advanced technology to develop ethical and viable solutions to real-world environmental problems

Automotive Technology
(Pontiac Campus)
4.0 credits per year, grades 11-12

- Diagnose, repair, and maintain automobiles from basic through advance automotive systems
- Operate professional diagnostic and repair equipment
- Work alongside master technicians in a rapidly changing industry
- This program has an Oakland Technical Early College option

Collision Repair and Refinishing
(Pontiac Campus)
4.0 credits per year, grades 11-12

- Repair, restore, and refinish vehicles to showroom conditions
- Use the same advanced painting, welding, and repair equipment as automotive professionals
- Create custom modifications using artistic design techniques
- This program has an Oakland Technical Early College option

Computer Programming
(Pontiac Campus)
4.0 credits per year, grades 11-12

- Write code to power the modern world from game design to mobile applications to Intelligent Transport Systems
- Express your creativity and unlock the solutions to complex problems through the universal language of computers
- Program in advanced languages such as Java, HTML5, and CSS3
- This program has an Oakland Technical Early College option

Construction Technology
(Pontiac Campus)
4.0 credits per year, grades 11-12

- Build and maintain residential and commercial construction projects
- Operate power tools and heavy equipment for demolition and construction
- Read blueprints for rough and finished carpentry, masonry, electrical and plumbing

Cosmetology
(Pontiac Campus)
4.0 credits per year, grades 11-12 - two years + program (1500 Hours/ Mandatory Summer School before Junior and Senior Year – Tuition Charged)

- Work alongside professionals in a full – service, interactive salon, and spa
- Use advanced salon techniques to provide a full range of hair, nail, and skincare services
- Create artistic designs using the latest technology, trends, and brand name products

Culinary Arts/Hospitality
(Pontiac Campus)
4.0 credits per year, grades 11-12

- Cook alongside professional chefs to create amazing gourmet cuisine in a fast – paced environment
- Be a key part of the team that operates a restaurant, prepares regional/international cuisines, and delivers unique dining experiences
- Craft and present delicious, gourmet creations while preparing for competitions and events

Energy – Electrical Technology
(Clarkston Campus)
4.0 credits per year, grades 11-12

- Wire and energize residential and commercial projects
- Work alongside professionals to power and maintain a secure and reliable electrical grid
- Conduct hands-on activities with renewable energies while working in an outdoor environment

Engineering/Robotics/Mechatronics
(Pontiac Campus)
4.0 credits per year, grades 11-12

- Invent, revolutionize, build, and creatively solve the needs and demands of a technologically advancing world
- Design and build powerful robotic, hydraulic, pneumatic, electrical, electronic, and mechanical systems
- Creatively solve complex engineering and design challenges using advanced CAD/CAM and CNC technologies
- This program has an Oakland Technical Early College option

Entrepreneurship & Advance Marketing
(Pontiac Campus)
4.0 credits per year, grades 11-12

- Discover your inner-executive, become a marketing guru and learn how to “wow” your customers
- Create eye-catching advertisements, develop social media, and run special events to make an impact
- Be the boss, work for yourself, run your own business
- This program has an Oakland Technical Early College option

Graphic and Communication Design
(Clarkston Campus)
4.0 credits per year, grades 11-12

- Create in a world where imagination becomes reality
- Design and create dynamic brand identifications, products, animations, and digital media
- Create a personal portfolio showcasing your ideas and talents
- This program has an Oakland Technical Early College option

Health Sciences
(Pontiac Campus)
4.0 credits per year, grades 11-12

- Make a difference by providing quality care alongside experts in many healthcare professions
- Apply health care skills in a variety of clinical environments
- Develop a professional work ethic and the ability to provide compassionate patient care
- This program has an Oakland Technical Early College option

Machining
(Pontiac Campus)
4.0 credits per year, grades 11-12

- Use advanced equipment and Innovative techniques to create tons of cool stuff
- Invent, design, and build high – tech precision parts and tools used worldwide
- Program and operate industrial CNC machines to create products from engineering blueprints and specifications

Welding
(Pontiac Campus)
4.0 credits per year, grades 11-12

- Control fire, electricity, and heat to design, dismantle and fabricate a wide range of products
- Use advanced equipment and techniques to join, cut, bend and manipulate metal
- Develop the skill, confidence, work ethic and stamina necessary for a high-paying career anywhere in the world
- This program has an Oakland Technical Early College option

EXTENDED CURRICULUM

DUAL ENROLLMENT

High school students in the state of Michigan have the opportunity to dual enroll in college courses in Michigan post-secondary institutions when certain criteria are met. Dual enrollment provides an increased variety of options to students. Our district will financially support dual enrollment for any 9-12 grade student who has earned a qualifying score on Explore, Compass, the PLAN, PSAT, SAT, ACT or the MME and wants to take an academic course that is not offered at LOHS, the intermediate school district, or the area vocational-technical education program.

Based on a formula determined by the state, the district determines the amount of financial assistance. This fixed amount may only be used towards tuition. Due to limits in state funding and rising tuition costs, this fixed amount may not fully cover the total cost of tuition. Students are responsible for any tuition fees over the fixed amount, all activity fees, parking fees, books, supplies and transportation.

When applying for dual enrollment, the student will choose whether to count the course for high school credit, college credit, or both. After the student has successfully completed the postsecondary course and submitted a copy of their grade to their counselor, the credits will be applied towards high school graduation requirements at the following rate:

1-2 college credits	=	.5 high school credit
3-4 college credits	=	1.0 high school credit
5 college credits	=	1.5 high school credit

Dual Enrollment - Eligibility

All 9 to 12th grade students are eligible for dual enrollment when…

1. Courses are related to their career pathway and a degree the student wishes to obtain and that are not offered by the school district, intermediate school district or area vocational-technical education program.

2. They have taken and received qualifying scores *on the Explore, Compass, the PLAN, PSAT, SAT, ACT or the MME test.

***See your counselor to determine your eligibility status.**

Students are not eligible for dual enrollment when …

1. There is a comparable course offered at the high school, intermediate school district or area vocational- technical education program.
2. They do not have a qualifying score as stated above.
3. If the course is a hobby, craft, recreational, physical education, theology, divinity, or religious education in nature.
4. If they are graduating early, seniors cannot dual enroll in winter session.

ONLINE LEARNING (21F Courses)

In 2013, the State School Aid Act established that Michigan public school students in 5-12 grades (with the consent of parent or legal guardian) may enroll in up to two virtual courses per term as requested by the students. The act also requires schools to cover the cost of the online courses. A catalog of online courses can be made available to students and parents through their LOHS counselor. Please contact the student's guidance counselor for specific enrollment procedures and guidelines.

TESTING OUT -- GUIDELINES AND CONDITIONS

1. The scheduled Test Out dates are the second Wednesdays in December and May.
    - The 2nd Friday in October is the deadline to sign up for the December Test Out date.
    - The 2nd Friday in March is the deadline to sign up for the May Test Out date.
2. Due to the extensive curriculum material for each class period, it is extremely challenging for students to successfully test out of additional courses. For each testing out date, it is recommended that students attempt to test out of no more than one full credit.
3. Once a student has received the testing out materials, they must attempt to test out of the course during the scheduled testing "window."
    - Students may not request to take the exam during a later semester.
    - If the student elects to not take the exam during the scheduled testing "window," the student will be required to take the course.
4. The department chairperson will provide the student with a copy of the course syllabus, performance expectations, textbook, and primary resources that are not covered in the textbook but are covered on the exam.
    - Materials distributed to students must be returned when taking the test out assessment.
    - Any materials not returned will be subject to fines.
5. The assessment used for testing out will evaluate the same performance expectations as stated in the course syllabus. The assessment may include one or more of the following: written test, oral test, portfolio, projects, papers, performance, etc.
6. The grading for test out assessments is handled as follows:
    - Scores 79% and below are not proficient, and high school graduation credit will not be granted. If it is a required course, the student must then take that specific course to graduate. The attempt to test out will not be reflected on their transcript.
    - Scores 80% or higher demonstrate content proficiency; the student will be given high school graduation credit. A grade of "P" (Passing) will be indicated on the student's transcript and will not be included for any purpose in a computation of grade point average.
7. If a student is attempting to test out of a 1.0 credit course, they must take the first term exam AND the second term exam.
    - To test out of the entire course, an 80% or better must be achieved on BOTH final exams; the two grades are not averaged together.
    - If a student receives a score of 80% or higher on only one exam, they will receive a .5 credit for only that portion of the course.
8. Students may only attempt to test out of the same course one time.
9. Once a student has successfully completed the testing out process with an 80% or higher, he/she cannot enroll in, or test out of, a lower-level course(s) within that department.
10. Be aware, NCAA Clearinghouse will not recognize testing out credits when determining eligibility for Division 1 or Division 2 College athletes.

APPENDIX

NONDISCRIMINATION AND ACCESS TO EQUAL EDUCATIONAL OPPORTUNITY/Title VI/IX

The Board of Education does not discriminate on the basis of religion, race, color, national origin, sex, disability, age, or genetic information in its programs, activities or employment.

Further, it is the policy of this District to provide an equal opportunity for all students, regardless of gender, religion, race, color, national origin or ancestry, age, disability, marital status, place of residence within the boundaries of the District, or social or economic status, and/or any other legally protected characteristic, to learn through the curriculum offered in this District. Reference: Bd. Policy 2260.

M.C.L.A. 380.1146, 380.1704, 37.1101 et seq., 37.2402, 37.1402, 37.2101-37.2804
Fourteenth Amendment, U.S. Constitution
20 U.S.C. Section 1681, Title IX of Education Amendments Act
20 U.S.C. Section 1701 et seq., Equal Educational Opportunities Act of 1974
29 U.S.C. Section 794, Rehabilitation Act of 1973
29 C.F.R. Part 1635
42 U.S.C. Section 2000d et seq., Civil Rights Act of 1964
42 U.S.C. Section 2000ff et seq., The Genetic Information Nondiscrimination Act
42 U.S.C. 6101 et seq.
34 C.F.R. Part 110 (7/27/93)
Vocational Education Program Guidelines for Eliminating Discrimination and Denial of Services, Department of Education, Office of Civil Rights, March 1979
42 U.S.C. 12101 et seq., The Americans with Disabilities Act of 1990

SECTION 504/ADA PROHIBITION AGAINST DISCRIMINATION BASED ON DISABILITY

Pursuant to Section 504 of the Rehabilitation Act of 1973 ("Section 504"), the Americans with Disabilities Act of 1990, as amended ("ADA") and the implementing regulations (collectively "Section 504/ADA"), no otherwise qualified individual with a disability shall, solely by reason of his/her disability, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Board of Education does not discriminate in admission or access to, or participation in, or treatment in its programs or activities. As such, the Board's policies and practices will not discriminate against students with disabilities and will make accessible to qualified individuals with disabilities its facilities, programs, and activities. No discrimination will be knowingly permitted against any individual with a disability on the sole basis of that disability in any of the programs, activities, policies, and/or practices in the District. Reference: Bd. Policy 2260.01

29 U.S.C. 794, Section 504 Rehabilitation Act of 1973, as amended
34 C.F.R. Part 104
42 U.S.C. 12101 et seq., Americans with Disabilities Act of 1990, as amended

CAREER AND TECHNICAL EDUCATION

The Board of Education agrees to coordinate and cooperate with intermediate, State, and Federal educational agencies in an effort to establish Career and Technical Education (CTE) in school districts.

Through participation in the State Aid categorical of Added Cost (61a) and Federal legislation including the Carl D. Perkins Vocational and Applied Technology Act, and in cooperation with public secondary and postsecondary educational agencies, the Board will seek to provide funding to support career-related education opportunities for both youth and adults in the service area. Reference: Bd. Policy 2421

Public Law 103-239, School-to-Work Initiatives Act of 1994
Public Law 109-270 Carl D. Perkins Career and Technical Education Improvement Act of 2006
M.C.L.A. 388.1913

ANTI-HARASSMENT

It is the policy of the Board of Education to maintain an education and work environment which is free from all forms of unlawful harassment, including sexual harassment. This commitment applies to all School District operations, programs, and activities. All students, administrators, teachers, staff, and all other school personnel share responsibility for avoiding, discouraging, and reporting any form of unlawful harassment. This policy applies to unlawful conduct occurring on school property, or at another location if such conduct occurs during an activity sponsored by the Board.

The Board will vigorously enforce its prohibition against harassment based on sex, race, color, national origin, religion, disability, genetic information, or any other unlawful basis, and encourages those within the School District community as well as third parties, who feel aggrieved to seek assistance to rectify the problems. The Board will investigate all allegations of harassment and in those cases where unlawful harassment is substantiated; the Board will take immediate steps to end the harassment. Individuals who are found to have engaged in unlawful harassment will be subject to appropriate disciplinary action.

For purposes of this policy, "School District community" means students, administrators, teachers, staff, and all other school personnel, including Board members, agents, volunteers, contractors, or other persons subject to the control and supervision of the Board. Reference: Bd. Policy 5517

Titles VI and VII of the Civil Rights Act of 1964, 42 U.S.C. 2000d et seq.
29 U.S.C. 621 et seq.
42 U.S.C. 2000e et seq.
42 U.S.C. 1983
42 U.S.C. 2000ff et seq., The Genetic Information Nondiscrimination Act
29 C.F.R. Part 1635
Title IX of the Educational Amendments of 1972, 20 U.S.C. 1681 et seq.
Section 504 of the Rehabilitation Act of 1973, 29 U.S.C. 794
The Americans with Disabilities Act of 1990, 42 U.S.C. 12101 et seq.
The Handicappers' Civil Rights Act, M.C.L.A. 37.1101 et seq.
The Elliott-Larsen Civil Rights Act, M.C.L.A. 37.2101, et seq.
Policies on Bullying, Michigan State Board of Education, 7-19-01
Model Anti-Bullying Policy, Michigan State Board of Education, 09-2006
National School Boards Association Inquiry and Analysis – May 2008

DRUG-FREE WORKPLACE

The Board of Education believes that quality education is not possible in an environment affected by drugs. It will seek, therefore, to establish and maintain an educational setting which is not tainted by the use or evidence of use of any controlled substance.

The Board shall not permit the manufacture, possession, use, sale, concealment, delivery, distribution, or dispensing of any controlled substance, alcohol, and any drug paraphernalia, by any of the District's students or staff at any time while on District property or while involved in any District-related activity or event. Any student or staff member who violates this policy shall be subject to disciplinary action in accordance with District policies, guidelines and the terms of collective bargaining agreements.
Reference: Bd. Policy 3122.01 and 5530.

P.L. 101-126
Drug-Free Workplace Act of 1988, 41 U.S.C. 701, et seq.
20 U.S.C. 3224A

M.C.L.A. 380.1170, 333.26301 et seq., 333.7410, 333.7410A
A.C. Rule R388.271 et seq.
Senate Bill 350, 1990
Drug-Free Schools and Communities Act of 1986, 20 U.S.C. 3171 et seq.
20 U.S.C. 3224A

NCAA DIVISION I ELIGIBILITY

In Division I Institutions, the NCAA (National Collegiate Athletic Association) has strict rules governing the eligibility of freshmen college athletes. Students who aspire to participate in athletics at the college and university level need to select high school courses appropriately and with great care. Only certain courses will allow a student to participate in intercollegiate sports. Alert your counselor of your ambitions and he/she will provide the necessary guidance during the course selection process.