

LOVELAND HIGH SCHOOL



COURSE SELECTION GUIDE 2018-2019



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Dear Students (and Parents/Guardians):

This course selection guide has been designed to assist you in making important decisions about your academic coursework and pathway to graduation, as well as post high school plans. The decision-making process involved in building your high school academic schedule is of utmost importance. Careful consideration should be given to course descriptions, graduation requirements, and program options, as detailed in this guide, to develop the very best academic plan based on your personal interests and future goals. Please communicate with the Office of School Counseling if you need assistance with course selections or schedule creation.

The LHS master schedule and staffing for each year is based on the courses students select in advance. Therefore, it is especially important for you to be deliberate as you consider the courses you wish to take. Your schedule will be built according to the courses you select. Changes requested after the master schedule has been completed may not be possible.

Please review this Course Selection Guide carefully. Several changes are made each year, including the addition of new course offerings.

We highly encourage students to plan for both the next school year and all years remaining until graduation.

Future Freshmen: We strongly recommended that you work with your counselor to create a four year plan of course selections.

Our goal is to best prepare all students for success in any post-secondary endeavors they choose. We look forward to collaborating with you as you plan your course work.

Sincerely,

A handwritten signature in cursive script that reads "Peggy M. Johnson".

Peggy Johnson
Principal
Loveland High School

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Sample Course Selection Forms:
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Sophomore Course Selection Form
Junior Course Selection Form
Senior Course Selection Form

LOVELAND CITY SCHOOL DISTRICT INSTRUCTIONAL PROGRAM PHILOSOPHY AND OBJECTIVES

Philosophy

The Loveland City School District is committed to a type of public education which is flexible and comprehensive with the primary purpose of providing instruction in the basic learning skills for all students. In as much as students differ in ability, rate of learning, goals, interests and motivation, programs of study that recognize these differences shall be provided through both curricular and extracurricular programs.

Schools are social institutions, organized with the intention to prepare each generation to take its place in society. Loveland City Schools continuously strives to help each student reach his/her full range of responsibility socially, morally, mentally and physically. The school also strives to enable each student to adapt to changing conditions in society, to help motivate each student to contribute to the betterment of society, and to instill in each student a deep respect and an abiding faith in democratic government.

Goals and Objective

The educational goals of the Loveland City School District can be broken down into two categories: basic and integrated program goals. These are given as follows:

- **Basic Program Goals**
 - Develop skills in reading, writing, speaking, listening and mathematics (Language Arts/ Mathematics).
 - Develop skills to enter a specific career path (Career and Technology Education).
 - Understand and practice the skills of family living (Work & Family Life/Industrial Technology).
 - Gain a general education (Science/Social Studies).
 - Practice and understand the ideas of health and safety (Health/Physical Education).
 - Appreciate culture and beauty in the world (World Language/Art/ Music).

- **Integrated Program Goals**
 - Develop pride in work and a feeling of self-worth.
 - Develop a desire to be a life-long learner.
 - Develop a strong character and genuine self-respect.
 - Learn to build a solid rapport among workplace and societal relationships.
 - Learn how to be a good citizen.
 - Learn how to study and gain understanding regarding changes that take place in the world.
 - Gain information needed to make job selections.
 - Learn how to manage money, property and resources.
 - Learn how to examine and use information.
 - Learn how to respect and get along with people who think, dress and act differently.

PART I: PLANNING A HIGH SCHOOL PROGRAM

Importance of the School Record

Loveland High School Graduation Requirements

Grade Level Designation

Course Selection

Career Pathways

College Preparatory Program

Advanced Placement (AP) Program

Recommendations for Students Considering Honors Level & AP Classes

Obtaining Credit in Courses

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State Options for Graduation

Honors Diploma

Summer School

General Educational Development (GED) Certificates and Diplomas

Pupil Admission, Placement and Withdrawal

Importance of the School Record

A good student record is the best recommendation a graduate can offer a college or prospective employer. All colleges require an exact transcript of courses taken while in attendance during high school. Employers will often request similar information. Most employers are also interested in the student's record of attendance. A poor attendance record in school may have a negative effect on a person's chances competing for a job after graduation. It is important for a student to maintain a steady performance or improvement throughout the high school career. The student who shows improvement rather than tapering off or declining in his/her last year is in a much better competitive position. This is particularly true for students who are considering selective colleges.

Loveland High School Graduation Requirements

The Board of Education of the Loveland City School District has determined the following standards for graduation from Loveland High School which exceed the minimum standards established by the Ohio Department of Education.

1. Minimum requirements for graduation from Loveland High School:

Course	Units Required	Additional Information
English Language Arts	4	No additional information
Mathematics	4	Must include 1 unit of Integrated Math III or Algebra II or an equivalent
Science	3	Must include 1 unit of a physical science and 1 unit of Biology
Social Studies	3	Must include American History, American Government and beginning with the Class of 2021, World History
Health	0.5	No additional information
Physical Education	0.5	Students participating in interscholastic athletics, marching band or cheerleading for two full seasons may waive the physical education requirement
Electives	11	Must include one or any combination of world language, fine arts, business, career-technical education, work and family life, technology, or English language arts, mathematics, science or social studies courses not otherwise required
TOTAL	26	
Fine/Performing Arts		Two semesters of fine arts taken any time during grades 7-12. Students following a career-technical pathway are exempt from the fine arts requirement.
Economics and Financial Literacy		Classes of 2019 and 2020 - included in American Government Classes of 2021 and beyond - must take Financial Literacy*, Economics or AP Macroeconomics *available in 2019-2020

2. Students completing a Great Oaks Institute of Technology and Career Development program must earn a total of 21 credits for graduation from Loveland High School.
3. Earning the required number of credits is only part of the graduation requirements. Graduation presumes that the student has fulfilled all academic and financial obligations. Diplomas will not be granted if deficiencies are present in any of these areas.
4. In order to receive a diploma from Loveland High School, four of the last five credits toward graduation must be earned at or approved by Loveland High School.
5. A student must complete eight terms (1 term = 90 days) of attendance in high school to be eligible for graduation, except in the most unusual of circumstances (approved in advance by the high school principal) or in the event of early credit completion.
6. Meet one of the three state graduation pathways:
 - Earn a cumulative passing score of 18 points on the seven end-of-course state tests
 - Earn 12 points through a State Board of Education approved, industry-recognized workforce readiness score on the Workkeys assessment
 - Earn remediation-free scores on a recognized college admission exam (ACT or SAT)

Grade Level Designation

Student grade classification is based upon credits earned. Students will be assigned to grade levels based upon the following criteria:

Grade Classification	Credits Earned
Freshman	Fewer than 5
Sophomore	Minimum of 5
Junior	Minimum of 11
Senior	Minimum of 18

Course Selection

Students must realize that earning a diploma should be the result of a carefully planned path of coursework that will provide the desired preparation for the next phase of life. It is important for students to carefully consider their choices before making random course selections and decisions. All students must carry a minimum of four classes per term. Exceptions to this will occur in the case of student aide and/or special programs necessitating an open period during the day. Students should consult their teachers and school counselor to assist with their decision.

Loveland High School will attempt to honor the course requests of all students. Class size and staff availability have an impact on whether a course will be offered. School counselors and administrators will make every effort to apprise students of any expected limitations on course availability. Classes in which enrollment is expected to be very small may not be offered.

Career development programs offered by our affiliate Great Oaks Institute of Technology and Career Development are available to students who meet certain requirements. For more information see Part III.

Career Pathways

Loveland High School is committed to helping students develop a school experience that is personalized, matching their interests and skills with academic choices. Utilizing career pathways will help provide students with the tools to plan, prepare and achieve next steps on a journey of career readiness.

The career pathways are not intended to place a student into a predetermined set of high school courses. All students are highly encouraged to pursue a well-rounded selection of course offerings no matter the pathway chosen. Foundational coursework in English, math, science and social studies is not only required, but helps students build necessary skills for postsecondary success.

- **Goals of Career Pathways**
 - To assist and guide students in determining high school course selection based on interest and ability level
 - To personalize course selection for students based on possible career interest
 - To foster the goals of care, innovation, and growth, as set forth by Loveland City Schools

- **Description of Pathways**

The information in the following chart offers students an opportunity to reflect on possible career pathways of interest. The descriptions provide a general overview and exposure to generalized career areas. The U.S Department of Education has identified sixteen career pathways designed to help students focus on career plans. The Loveland City School District has combined the sixteen pathways into four clusters for student exploration. Each student at Loveland High School gains personalized information about these through career assessments in Naviance.

- **Personalized Career Pathways Exploration through Naviance**

Naviance is an online career and college readiness tool designed to align student strengths and interests to postsecondary goals, to improve student outcomes and to connect learning to life. Over the course of four years, students complete a variety of career assessments to assist in future planning. The Loveland High School Naviance Career Task Timeline is available in the College and Career Readiness section of the Office of School Counseling website. More information on specific Career Pathways is available in the document library of Naviance, located in the menu on the right side of the Naviance Family Connection home page.

Pathway Cluster	Career Pathways	Description	Sample Careers
Arts, Humanities, and Communication	Arts and Communication Education and Training	Tap into creative and expressive talents. Requires the ability to communicate effectively in both oral and written form and strong reading skills.	Performing Arts Visual Arts Theatre Arts Literary Arts Media Arts Education Journalism Television and Radio Broadcasting
Business, Law, and Finance	Business Administration Finance Government and Public Administration Hospitality and Tourism Law and Public Safety Marketing	Includes careers in planning, organizing, directing, and evaluating functions essential to efficient and productive organizational operations. Essential skills include, but not limited to, strong interpersonal, presentational, and leadership skills.	Business Management Administrative Support Human Resources Hospitality and Tourism Marketing Information Management Financial Advising Financial and Investment Planning Accounting Banking Insurance Real Estate Sales Public Administration Public Safety and Protective Services Homeland Security
Health and Human Services	Health Science Human Services	Includes a large and diverse group of careers that promote education, health, diagnosis, treatment, and wellness. Careers in this pathway have the potential to improve and save lives.	Education Counseling Mental Health Services Consumer Services Personal Care Services Therapeutic Services Diagnostic Services Disease Treatment Services Public Safety and Protective Services Fire Protection Services Health Informatics Biotechnology Research and Development
Science, Technology, Engineering, and Math STEM	Agricultural and Environmental Construction Technologies Engineering and Science Technologies Information Technology Manufacturing Transportation Systems	May involve designing, inventing, or building a wide variety of commodities. May involve planning, managing, and providing scientific research or professional and technical services including laboratory, research and development.	Scientific Research and Development Fuel Cell Technology Robotics Agricultural Services Food Processing Horticulture Natural Resource Management Environmental Services Production Planning and Control Electrical Engineering Industrial Engineering Maintenance Engineering Manufacturing Engineering Transportation Services Process Engineering Information Support Services Communication Network Services Programming and Software Development/Applications Interactive Multi-Media Development

College Preparatory Program

College admission is based on how well students perform in high school. Class rank, GPA, course rigor and the scores earned on college admission tests (SAT and ACT) are important factors. Some colleges also require SAT Subject Tests. Transcripts and recommendations will be sent to colleges and other types of schools at the request of the student.

The Ohio Department of Higher Education (ODHE) makes strong recommendations to Ohio high schools regarding the curriculum that graduating students should have in order to be accepted unconditionally to state universities in Ohio. Although some universities will vary in their exact requirements, and certain college programs will require slightly different courses, Loveland High School subscribes to the following ODHE recommendations:

Curriculum	Units Recommended	Additional Information
English Language Arts	4	Including English 12 or AP English
Mathematics	4	At least one unit to be taken during the senior year and which shall include Math I/Algebra I, Math II/Geometry and Math III/Algebra II or a 4-year sequence of courses which contains equivalent content
Science	3	Must include two lab sciences
Social Studies	3	Must include American History, American Government and beginning with the Class of 2021, World History
World Language	2	Both units in the same language
Fine/Performing Arts	1	Art, band, chorus, guitar, Speech/Drama or photography
General Graduation Requirements	Required	Refer to Loveland High School Graduation Requirements previously outlined

Advanced Placement (AP) Program

The AP program is an offering of college level courses and exams for ambitious secondary school students. AP courses are typically more challenging and require more work than other high school courses. At the end of the year, students should plan to take an AP exam. Over 90% of colleges give credit and/or advanced placement to students with AP exam grades meeting the college requirements. The exam fee is set by the College Board and must be paid for each exam selected. For detailed information, visit collegeboard.com. AP classes are offered in these content areas: art, math, music, social studies, science, technology, world language and English. Student selection for AP courses is based upon teacher recommendation and additional criteria as listed in the course description. To compensate for the increased amount of student effort/work in AP level courses, letter grades will be weighted one additional point (e.g. A=5 points, B=4 points, C=3 points).

Additional Information:

- **If a student drops an AP class after the last school day in May, his/her transcript will reflect a W/F (Withdrawal/Failure).**
- Coursework in AP classes begins in June with required summer reading in some classes.
- Students in AP classes will be expected to take the Advanced Placement Examination in May.
- Exam fee reductions are provided for qualified candidates who are unable to pay the full cost for each exam. Contact the AP Coordinator in the Office of School Counseling for the qualifications.

- AP credit is awarded by the college or university, not by the College Board. Some institutions specify particular exams and may award credit only after analyzing the student's entire record.
- To receive grade point average weighting for honors or AP classes, a grade of C- or above must be achieved.
- Benefits to completing an AP course:
 - Students are more likely to persist and succeed in college.
 - Time and money may be saved by moving directly into upper-level classes.
 - Time saved may be used for study abroad, honors programs, broader exploration of studies, advanced study, independent learning, internships, work, and much more.

Recommendations for Students Considering Honors Level and AP Classes

Students taking honors/AP level classes should fit the following profile in order to increase their chances of success. Students should not sign up for honors or AP classes with the intent of dropping the class if they cannot earn the desired grade or if they feel the class is too difficult. Signing up for these classes may result in a year-long commitment.

Performance
<ul style="list-style-type: none"> ● driven to exceed academic standards ● strives to meet high academic standards consistently ● demonstrates ability in abstract reasoning ● possesses broad, general knowledge ● respects deadlines ● puts forth “best effort,” not just “good enough” effort ● demonstrates probing curiosity ● acts with maturity in the classroom ● participates actively in class discussions ● demonstrates pride in work ● participates in extracurricular academic activities when assigned or suggested ● ability to utilize textbooks written above grade level
Attitude
<ul style="list-style-type: none"> ● assumes responsibility for own learning ● possesses a strong work ethic ● expects at least one hour of nightly homework in the honors or AP class ● comes to class prepared to work ● seeks opportunities for enrichment ● welcomes creative and challenging assignments ● suggests own assignments (where applicable)
Behavior
<ul style="list-style-type: none"> ● uses class time wisely ● respects classmates and teachers ● demonstrates personal integrity
Attendance
<ul style="list-style-type: none"> ● attends class/school each day ● arrives punctually ● completes make-up work immediately

Obtaining Credit in Courses

The entire course must be completed before any credit will be earned. Credit will be earned in any course in which a D- or better grade is achieved. Credit may be withheld due to excessive absences. See the *Attendance Policy* in the Student Handbook located on the Loveland High School web page.

School Policy on Dropping Classes

Students are **strongly** discouraged from dropping classes. At registration time, students receive detailed information regarding course content, requirements and program needs (based on each individual's plans). In addition, students are advised by their school counselor in an effort to aid the student and parent in the selection of courses for the upcoming year. After these choices are made and course requests are tallied, the student has the option to discuss any changes. This usually occurs in late May, just before the end of the school year. During the summer months, scheduling is completed and prepared for each student based on the request agreement. Courses are offered and teachers are employed based on original requests by students.

Schedule changes will not be made for the purpose of being with preferred classmates or teachers. Loveland High School encourages students to become exposed to as many different teaching styles as possible.

Changing courses after May will be permitted only in the following circumstances:

1. Failure of a prerequisite course
2. Completion of a makeup course in summer school
3. Level change (when approved by the teacher, school counselor and principal)
4. Staffing decision
5. Extraordinary circumstances requiring individual consideration by the administration

If one of the five circumstances listed above is met, the following steps are necessary:

1. Action for the course drop begins when the student meets with his/her school counselor to determine the specific difficulty with the class. The student, counselor, and teacher work together to identify and resolve the problem. The student must have shown some initiative in working with the teacher to resolve the issue prior to requesting to drop the course. At no time are changes processed simply due to poor performance.
2. If the school counselor determines the need for a course change, the request must be in writing on the Request for Schedule Change form, which requires parent, teacher, and student signatures. Final permission for the drop can only be granted by the school principal or designee.
3. If acceptable options exist, a Schedule Change Notification form will be issued to the student. Signatures from previous teachers and new teachers must be obtained. The form is then returned to the Office of School Counseling for the schedule change to be finalized in the computer system.

Important note to SENIORS: Once college applications and transcripts are sent to colleges, changes in a student's schedule may be forwarded to the colleges. The change in senior curriculum sends a message to colleges regarding the student's ability to meet a challenge and follow through when difficult situations present themselves.

If a student drops an AP class after the last school day in May, his/her transcript will reflect a W/F (Withdrawal/Failure).

Course Fees

Course fee information is available in the course description section. Fees will be assessed by the Board of Education. Parents/Guardians will be notified when fees are due.

Special Education

In addition to the curriculum options outlined in the course guide book, Loveland High School offers services for students with special needs. The qualification of students for special services is determined through testing and procedures as prescribed by state guidelines. Individual Educational Plans (IEPs) are developed through a multidisciplinary team approach outlining the specific services for each student. All services are provided at a level that is appropriate for students' identified needs addressed in the IEP. A continuum of services is provided by general education teachers, intervention specialists, instructional aides and related service providers.

A daily resource class is offered to provide specially designed instruction on IEP goals, support for coursework, high stakes test preparation and postsecondary transition goals.

Special Education Curriculum classes are offered through the special education department. These classes offer uniquely designed coursework based on the needs of the students'. Functional practice to learn life skills needed for independent living may also be included within these settings.

Students may receive Related Services (i.e. speech/language, occupational therapy, physical therapy, ect.) as part of their IEPs when agreed upon by the IEP team.

Grading Scale and Grade Point Average (GPA) Calculation

GPA values are based upon the final grade. Physical Education, and Resource classes and courses taken online for credit recovery are not calculated in the GPA. Honors and AP classes are weighted in the GPA calculation based upon the following values:

Letter Grade	Minimum %	Non-Weighted	Honors	AP
A	93	4.0	4.5	5.0
A-	90	3.75	4.25	4.75
B+	87	3.25	3.75	4.25
B	83	3.0	3.5	4.0
B-	80	2.75	3.25	3.75
C+	77	2.25	2.75	3.25
C	73	2.0	2.5	3.0
C-	73	1.75	2.25	2.75
D+	67	1.25	1.25	1.25
D	63	1.0	1.0	1.0
D-	60	0.75	0.75	0.75
F	Below 60	0.0	0.0	0.0

Cumulative Grade Point Average and Class Rank

Cumulative GPA and class rank are determined by averaging all semester final grades excluding Physical Education, Resource, and courses taken online for credit recovery. All semesters in high school are computed in the GPA and class rank.

Interscholastic Extracurricular Eligibility

The term interscholastic competition is defined as a school-sponsored competition that involves more than one school or school district. Although differing in nature from the academic program, interscholastic competition activities provide beneficial educational experiences for participants.

In the conduct of interscholastic competition, the rules, regulations, and limitations outlined by the Ohio High School Athletic Association (OHSAA), the Ohio Music Education Association (OMEA), and other governing bodies shall be followed, unless they are contrary to board policy.

ALL student athletes must be officially enrolled in the Loveland City School District per district and OHSAA policies and procedures. To participate in any interscholastic competition, students in grades 9-12 must meet the following requirements:

Students Enrolled in Grades 9-12:

1. In the immediate preceding grading period, a student must receive a passing grade in a minimum of five (5) one-credit courses or the equivalent, which count toward graduation.
2. A student enrolled in the first grading period after advancement from the eighth grade must have passed a minimum of five of all subjects (excluding physical education classes) carried the preceding grading period in which the student was enrolled.
3. All grades from the previous grading period must yield a minimum 1.0 GPA on a four point scale. This also applies to students advancing from eighth grade.
4. For eligibility purposes, all grades will become official once technical support verifies grade accuracy on or about the Tuesday after each grading period at 12:00 pm.

Any student who received a failing grade for any subject carried the previous grading period shall be eligible to participate in interscholastic competition provided he/she meets all of the above requirements.

Summer school grades may not be used to substitute for failing grades relative to interscholastic competition eligibility. All other eligibility requirements of this Board and, in the case of interscholastic athletics, the Ohio High School Athletic Association, must be met in addition to those declared in this policy.

National Collegiate Athletic Association

The National Collegiate Athletic Association (NCAA) has established a central clearinghouse to certify athletic eligibility to Division I and II institutions. Students who intend to participate with or without a scholarship as a freshman in college must register with and be certified as eligible by the NCAA Eligibility Center. Initial eligibility certification pertains only to NCAA requirements for participation in Division I or II athletics and has no bearing on admission to a particular Division I or II institution. Please note:

- It is best to register by junior year.
- Register online at www.eligibilitycenter.org. For Division III – Contact your Division III College regarding its policies on financial aid, practice and competition.
- For the latest NCAA Division I or II requirements, go to www.eligibilitycenter.org.
- Test scores, two transcripts and a fee (as determined by NCAA) are part of the eligibility process.
- Consult with the LHS Athletic Office, your school counselor and your coach for help.

State Options for Graduation

Students must earn the required credits for graduation **and** meet **ONE** of the following three options:

1. Ohio's State Tests (End-of-Course Exams)
2. College and Career Readiness Tests
3. Industry Credential and Workforce Readiness

Option 1: Ohio's State Tests (End-of-Course Exams)

Students must earn a total of 18 points across all seven end-of-course state exams. Students will take state-mandated End-of-Course Exams during their enrollment in the following courses:

- English 9 (ELA I)
- English 10 (ELA II)
- Mathematics I
- Mathematics II
- Biology
- American History
- American Government

To ensure that a student achieves a well-rounded education, the state requires a student earn a minimum of 4 points in math, 4 points in English, and 6 points across science and social studies.

Students receive points based on their test performance levels:

Performance Level	Points Earned	Performance Level	Points Earned
Advanced	5 Points	Basic	2 Points
Accelerated	4 Points	Limited	1 Point
Proficient	3 Points		

Students studying AP Biology, AP US American History or AP US Government and Politics may take and substitute AP test scores for end-of-course state exams to avoid double testing.

AP Exam Score	Points Earned	AP Exam Score	Points Earned
4 or 5	5	Not applicable	2
3	4	1	1
2	3		

Students may substitute grades from College Credit Plus (CCP) courses in American history, American government and science only. Substitutions are not permitted for English and math.

CCP Course Grade	Points Earned	CCP Course Grade	Points Earned
A or B	5	Not applicable	2
C	4	Not applicable	1
D	3	F - Fail or drop	0

As part of the state and federal reporting requirements, districts are required to submit student scores for the following state End-of-Course Exams: geometry or math II, English language arts II, biology, American history and American government. Therefore, districts do need to administer these tests to all students.

Option 2: College and Career Readiness Tests

Earn the remediation-free scores on a nationally recognized college admission exam (ACT or SAT)

ACT*

- English - 18 or higher
- Math - 22 or higher
- Reading - 22 or higher

**These scores are subject to change based upon recommendation of Ohio's universities. For juniors, the scores set by February 1 of their junior year will be used to meet their graduation requirement.*

SAT*

- Writing - 430 or higher
- Math - 520 or higher
- Reading - 450 or higher

**These scores are subject to change based upon recommendation of Ohio's universities. For juniors, the scores set by February 1 of their junior year will be used to meet their graduation requirement.*

Students may use the highest score in each subscore from multiple administrations of a test to meet the graduation requirement option. This would include the state-funded administration, which will be given to all Ohio students in the spring of junior year and additional attempts that students take.

Option 3: Industry Credential and Workforce Readiness

Earn a minimum of 12 points by receiving a State Board of Education-approved, industry-recognized credential or group of credentials in a single career field and earn the required score on WorkKeys, a work-readiness test. The State of Ohio will pay one time for the student to take the WorkKeys test.

For additional details on the pathways to graduation, visit education.ohio.gov and search the phrase "graduation requirements".

Honors Diploma

High school students who exceed graduation requirements may be eligible to receive an Honors Diploma. The Honors Diploma is a graduation day distinction. For detailed requirements, refer to the Honors Diploma Criteria chart in Part V of this guide.

Under the approved rule, no student can be required to meet more than the specified number of criteria, and no student can be required to meet any one particular criterion. For additional details about the Honors Diploma, visit education.ohio.gov and search the phrase "diploma with honors".

Summer School

Summer school courses taken for remedial or make-up credit are readily approved. All summer school and correspondence work must be approved in advance by the principal or designee. All courses completed become a part of the student's permanent record and cannot be replaced.

General Educational Development (GED) Certificates and Diplomas

- **Certificates** - High school certificates, based on GED test results, may be earned through the State of Ohio Department of Education program, as outlined in the State Department Policies. Students desiring information regarding GED certificates should contact the Office of School Counseling.
- **Diplomas** - The Loveland City School District Board of Education is authorized to issue a diploma on the basis of the GED tests to **service personnel and veterans** (non-veteran adults are not eligible), provided the applicant meets the following requirements:
 1. Minimum test scores - a standard set score on each of the five tests is required
 2. Minimum age - must be 18 years of age to receive diploma
 3. Residence - must be a resident of Ohio or a former resident who attended school in Ohio
 4. Previous high school enrollment - must have completed at least four units of high school credit and, in addition, must have one unit of credit in American history and government. At least two units must have been earned in the high school granting the diploma.

Pupil Admission, Placement, and Withdrawal

The Central Registrar is responsible for the proper admission of new students. The process includes, but is not limited to, several counseling and information forms, the proper proof of residence, birth certificate, proof of parent/guardian/legal custodian and the most recently issued report card.

Upon receipt of an official transcript as provided by the previous school, Loveland High School will evaluate the transcript, honor credits and coursework that were successfully passed and transfer those items to the current student record. The student will then be placed in the appropriate Loveland High School courses to match (as closely as possible) the previous coursework and academic tracks of the sending school.

To withdraw a student, the custodial parent or guardian must complete the withdrawal form and process which includes a parent/guardian signature, reason for withdrawal, city, state and school moving to (when appropriate) and a check-out for grades, book return, financial clearance from appropriate departments, and administrative approval if appropriate. Student withdrawals are to be processed through the Loveland High School Office of School Counseling.

PART II: COURSE DESCRIPTIONS

Course descriptions are provided to assist students in selecting courses which best suit their individual needs. Teacher input is extremely valuable and in many cases, a teacher recommendation is required.

Applied Technology and Business Education

Art

Language Arts

Language Arts Enrichment

Mathematics

Music

Physical Education and Health

Project Lead the Way Engineering Program

Science

Social Studies

Teaching Professions Academy

Work and Family Life

World Language

APPLIED TECHNOLOGY AND BUSINESS EDUCATION

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
1006	Innovation Lab	N	11, 12	1.0	BLF STEM
3700	Computer Programming I	CP	9, 10, 11, 12	1.0	BLF STEM
3711	AP Computer Science A	AP	10, 11, 12	1.0	BLF STEM
3712	AP Computer Science Principles	AP	10, 11, 12	1.0	BLF STEM
3720	Fundamentals of Web Design I	N	9, 10, 11, 12	1.0	AHC BLF STEM
3730	Fundamentals of Web Design II	N	10, 11, 12	1.0	BLF STEM
3800	Virtual Reality	N	11, 12	1.0	BLF STEM
4051	Robotics	N	10, 11, 12	1.0	BLF STEM
6010	Computer Applications	N	9, 10, 11, 12	1.0	AHC BLF STEM
6020*	Computer Networking	N	10, 11, 12	0.5	BLF STEM
6030*	System Administration	N	10, 11, 12	0.5	BLF STEM
6040	Marketing & Entrepreneurship	N	10, 11, 12	1.0	AHC BLF
6050	Investing & Money Management	N	10, 11, 12	1.0	BLF STEM
6060	Honors Financial Accounting	H	11, 12	1.0	BLF STEM

Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped
 Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

*This course is linked with another course that must also be selected. See corequisite information below.

1006 Innovation Lab

Fee: NO

- Grade Levels: 11, 12
- Credit: 1.0
- Prerequisite: 3700 Computer Programming I
- Corequisite: Not applicable
- This course is a hands-on study of technology integration in an educational context. Requirements include a digital portfolio, passion project, as well as communication and collaboration of work shared via social media.
- Students will be challenged to:
 - Troubleshoot, assess problems, and define the best approach to addressing or solving the problem.
 - Complete and maintain several running projects that address problems or solutions in educational technology integration.
 - Use inquiry to drive your exploration and experience in order to reach greater discovery.
 - Take risks, learn from your failures, and embrace the innovator's mindset approach to your education.
- The application process begins in the Spring with **teacher recommendations** and **formal interviews**.

- 3700 Computer Programming I** **Fee: NO**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 3020 Integrated Math I or 3010/3011 Integrated Math I with Enrichment
 - Corequisite: Not applicable
 - Computer Programming I is an introduction to the field of computer science. Topics covered include user/computer interactions, problem solving, programming with Python, robotics, and virtual reality. Emphasis is placed on the programming concepts of sequence, decision-making, and looping. For the robotics unit, hands-on experiences are provided utilizing Lego/NXT robots.
- 3711 AP Computer Science A** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 3700 Computer Programming I
 - Corequisite: 3050 Integrated Math III
 - Per the College Board, the AP Computer Science A course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design.
 - The course is a continuation of the introduction of computer science. The course will begin prior to the start of the school year as students will have summer work to complete. The major theme of this course is problem solving. Java is the environment used. The AP test consists of two parts: one part is multiple choice and the other part is written (free) response. The AP test is administered in early May.
- 3712 AP Computer Science Principles** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 3700 Computer Programming I
 - Corequisite: 3030 Integrated Math II
 - Per the College Board, AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber security concerns and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.
 - To receive AP credit, students will complete and submit two performance tasks. Performance tasks demonstrate skills that have been developed. The performance tasks are administered by the classroom teacher. Students will submit digital artifacts to College Board. In addition, students will take a written exam in early May.
- 3720 Fundamentals of Web Design I** **Fee: NO**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - This course provides a hands-on introduction to main website production processes. Students will produce web projects utilizing tools provided by Google and Adobe. Exercises in this course will involve the use of Google Apps as well as software tools like Photoshop, Illustrator, Dreamweaver and Premiere. Students will learn about various elements used to create web documents, including HTML coding, image editing, digital drawing, animation/scripting, video and audio editing.
- 3730 Fundamentals of Web Design II** **Fee: NO**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 3720 Fundamentals of Web Design I
 - Corequisite: Not applicable
 - This course is a continuation of Web Design I. Students will learn advanced techniques with tools like Photoshop, Illustrator, Dreamweaver and Premiere. In addition, students will learn how to use online tools for the creation of web content. These types of tools operate directly within the browser and give students the capability of accessing work from any location.

- 3800 Virtual Reality** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - VREP is self-directed, credit-flex course. Students complete projects, research and design their own virtual programs, and create 2D and 3D imaging using Blender. The images created are then transferred into stereoscopic displays to create immersive virtual environments. Students and other viewers can then interact with the virtual environments, providing learning opportunities that engage today's learners. Students in VREP are charged with creating virtual reality and 3D models, simulations and projects.
- 4051 Robotics** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 3700 Computer Programming I and 7510 PLTW Introduction to Engineering
 - Corequisite: Not applicable
 - This is a credit-flex course. Any student interested in this course must meet with Mrs. Stewart to discuss requirements and expectations. Students are expected to participate either on the FIRST or VEX robotics team.
- 6010 Computer Applications** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - Communication Applications integrates both technology and language arts skills. This course provides students the opportunity to utilize Microsoft Office and other productivity tools including applications and peripherals for enhancing presentations. Students learn how to format documents for academic and professional purposes. Students explore topics such as digital responsibility and job seeking skills. Additionally, they are introduced to subjects like personal finance, marketing, accounting, and international business. Organizational, communication, and time management skills are emphasized.
- 6020 Computer Networking** **Fee: NO**
- Grade Levels: 10, 11, 12
 - Credit: 0.5
 - Prerequisite: 3700 Computer Programming I
 - Corequisite: 3030 Integrated Math II and 6030 System Administration
 - The Computer Networking course will cover the spectrum of computer networking in the theoretical and practical framework. Students will learn such topics as computer/network hardware, network media, topologies, the Open System Interconnect (OSI model) or other model, protocols, security, and network architectures. Hands-on active learning required.
 - This course is linked with 6030 System Administration and must be taken together.
 - Students may have the opportunity to earn college credit for this course as part of the College Credit Plus (CCP) program.
- 6030 System Administration** **Fee: NO**
- Grade Levels: 10, 11, 12
 - Credit: 0.5
 - Prerequisite: 3700 Computer Programming I
 - Corequisite: 3030 Integrated Math II and 6020 Computer Networking
 - The System Administration course will provide the knowledge and hands-on skills necessary to manage a Local Area Network and its resources. Topics covered include directory services, server management, file and print services, and user/client administration in a heterogeneous operating system environment. Students will setup and manage a fully functioning computer network of systems. Hands-on active learning required.
 - This course is linked with 6020 Computer Networking and must be taken together.
 - Students may have the opportunity to earn college credit for this course as part of the College Credit Plus (CCP) program.

- 6040 Marketing and Entrepreneurship** **Fee: NO**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - Through individual and group projects, students will gain valuable hands-on experience needed in marketing and entrepreneurship. Students will create a business plan, analyze the marketing mix, determine purchasing and pricing, apply financial decision making, develop skills in the area of promotional strategy, advertising, and sales promotion. Applying project management techniques and proposal development, students will guide and control promotional campaign development and execution.
 - Students will learn motivation theories, branding techniques, visual literacy and design principles in communications with targeted audiences to influence.
 - Students will create, execute and evaluate content for advertising and business plans. A focus on digital marketing and media, analytics, and strategic planning will be emphasized. This course will be geared towards innovation and entrepreneurship. Technology, employability skills, leadership and communications will be incorporated in classroom activities.
- 6050 Investing and Money Management** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: 3030 Integrated Math II
 - This course is designed for students who would like to learn how to manage their financial future through investing. The focus is on the most important areas a user of financial statements needs to know to effectively run or manage an investment portfolio. Topics include an emphasis on investment methodology, investment risks, interpreting financial statements, key ratios, and security selection. Introduction to security analysis, security valuation, and portfolio management for the individual investor will be covered.
 - This course develops the framework that individuals use to make monetary and financing decisions. The course will explore the time value of money, how the tax system operates, the mechanics of the stock market, the difference between stocks, bonds (equity vs. debt), and mutual funds.
 - Making informed choices related to investing and saving, continues to be the foundation of long-term financial security. Students will participate in a stock market simulation challenge, learn investment strategies and techniques and hear from investment brokers and financial advisors.
 - Technology, employability skills, leadership and communications will be incorporated in classroom activities. A strong emphasis in Microsoft Excel will be utilized to explore these topics.
- 6060 Honors Financial Accounting** **Fee: NO**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 3.0 or higher grade point average
 - Corequisite: 3050 Integrated Math III
 - Honors Financial Accounting is a challenging course for the student who wants to be prepared for the rigor of college accounting. The course is highly recommended for students planning to major in business or engineering in college. It covers the fundamentals of financial accounting and their application to journals, ledgers, and financial statements. Through in-depth discussions, financial analysis, and coursework, students will cover the accounting cycle for a corporation.
 - This course introduces basic accounting procedures, includes projects that use the complete accounting cycle and utilizes automated accounting. Introduction to the purposes of the financial statements and the recognition, measurement, and disclosure concepts.
 - Focus is on preparing, using and interpreting financial statements and on understanding the impact of transactions and events on financial statements and financial ratios. The student who completes this course will be prepared for collegiate study of accounting.

ART

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
8000	Art I	N	9, 10, 11, 12	1.0	AHC
8010	Ceramics	N	10, 11, 12	1.0	AHC
8011	3D Art	N	10, 11, 12	1.0	AHC
8020	Art II	N	10, 11, 12	1.0	AHC
8030	Art III	N	11, 12	1.0	AHC
8040	Art IV	N	11, 12	1.0	AHC
8054	AP Studio Art	AP	11, 12	1.0	AHC
8055	AP Art History	AP	10, 11, 12	1.0	AHC
8060	Graphic Arts	N	9, 10, 11, 12	1.0	AHC STEM
8080	Photography I	N	10, 11, 12	1.0	AHC
8081	Photography II	N	11, 12	1.0	AHC

Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped
 Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

8000 Art I

Fee: YES

- Grade Levels: 9, 10, 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- Art I is designed to expose students to the fundamental principles of visual art through the production of drawing, painting, printmaking and sculpture. The broad background of experiences in techniques and mediums is based on a solid art historical foundation. Students will also learn to present both oral and written critique of art work. Homework, tests, sketchbooks, and portfolio development are required.

8010 Ceramics

Fee: YES

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: 8000 Art I and Teacher Recommendation
- Corequisite: Not applicable
- Students will construct functional and decorative ceramic objects using three basic hand building methods: pinch, coil and slab. Students will also create artworks using basic wheel throwing techniques. Surface decoration, glaze use and composition are stressed. Art history is integrated throughout the course and is an integral part of understanding current and past ceramic styles. Quizzes, homework, sketchbooks and written and oral critical analysis are required.

- 8011 3D Art** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 8000 Art I and Teacher Recommendation
 - Corequisite: Not applicable
 - Students will learn various techniques of 3D art production while studying the history of 3D art in this inquiry based class. Students will employ the elements and principles of design to create their own portfolio of work with an emphasis on executing, understanding and discussing quality craft, successful composition, productive conceptualization and creative problem solving. The students will create work in relief and in form as they sculpt and assemble in paper, wood, clay, wire, plaster, plastics and found objects. Homework, sketchbook, tests and portfolio development are required.
- 8020 Art II** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 8000 Art I and Teacher Recommendation
 - Corequisite: Not applicable
 - In Art II, the student further refines and explores the materials and studio methods necessary to the visual artist. Some techniques and mediums include watercolor, acrylic, inks and charcoal used realistically and abstractly. Art historical reference adds a foundation for the studio projects. Students will apply knowledge and skills of art criticism to conduct analyses of works of art. Homework, tests, sketchbooks, and portfolio development are required.
- 8030 Art III** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 8000 Art I, 8020 Art II, and Teacher Recommendation
 - Corequisite: Not applicable
 - Art III is an excellent class for students who wish to develop a portfolio for study of visual art in college. There is an emphasis on observational drawing and painting. Some techniques and mediums include chalk pastel, graphite, cone, charcoal and acrylic painting. Students will study art history, criticism and aesthetics. Students will explore careers in art and the role of the visual arts in the community. Sketchbook keeping and portfolio development are required.
- 8040 Art IV** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 8000 Art I, 8020 Art II, 8030 Art III, and Teacher Recommendation
 - Corequisite: Not applicable
 - Art IV is for the advanced art student with a high level of interest in the visual arts. Students will develop a mastery of materials, concepts and a personal concentration. Oil painting and sculptural techniques are explored. Students will research and report on both historical and contemporary issues in art. Sketchbook keeping and portfolio development are required.
- 8054 AP Studio Art - Drawing, 2D, and 3D** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 8000 Art 1, 8020 Art II, and Teacher Recommendation
 - Corequisite: 8030 Art III or 8040 Art IV in the Fall and AP Art in the Spring, or Teacher Recommendation
 - The Advanced Placement Studio Art course is for the highly motivated student who wishes to do college-level art work. The guidelines for this course will follow those of the Advanced Placement Program of the College Board. Summer work is given prior to the beginning of the course. This work is due at the beginning of the course. The first half of the course will focus on development of a breadth portfolio based on class assignments. The second part of the course includes the development of the student's thesis in the form of a body of work. Written commentary on the student's concentration is required. Students will be accountable for the completion of art work outside of class. This is a demanding class for serious art students. It is for the student that is an independent worker and committed to working an average of 7-10 hours per week outside of the classroom.

8055 AP Art History**Fee: YES**

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: Teacher Recommendation
- Corequisite: Not applicable
- The AP Art History course is equivalent to a two-semester introductory college course that explores topics such as the nature of art, art making and responses to art. By investigating a specific image set of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content, as they experience, research, discuss, read and write about art, artists, art making. The emphasis is on the Western tradition, but numerous comparisons with non-Western art are made. This course does not assume artistic talent on the student's part, and anyone with a curiosity about the subject, an interest in history and a willingness to do academic work is encouraged to enroll. Writing skills are necessary for recognizing and critically evaluating and comparing major works. Attention is given to developing writing approaches that effectively synthesize knowledge about history and art into concise and articulate essays.

8060 Graphic Arts**Fee: YES**

- Grade Levels: 9, 10, 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- Graphic Arts is designed to expose students to visual communication through hand crafted and digital artworks. Students will learn about artists and techniques. Students will create original artworks using hand crafted, computer generated and photographically manipulated images. Media will include but are not limited to pencil, pen, cut paper, screen printing, Indesign, Illustrator and Photoshop. Problem solving, process and multiple solutions will be emphasized. Quizzes, sketching and journaling, written and oral critical analysis and portfolio development will also be required.

8080 Photography I**Fee: YES**

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- This is a course for students interested in black and white photography. The course will cover:
 - correct use of a camera.
 - developing black and white film.
 - contact printing.
 - projection printing.
 - mounting and matting of prints.
 - history of photography.
- After learning the basic techniques of photography, students will focus on concept development, communication through visual art, manipulation of the medium and professions in the field of photography. The student is required to furnish his/her own 35mm Single Lens Reflex camera (with adjustable f/stop and shutter speed), film and photographic paper. A lab fee will be charged to cover chemical and miscellaneous costs. Extended lab time will be required.

8081 Photography II**Fee: YES**

- Grade Levels: 11, 12
- Credit: 1.0
- Prerequisite: 8080 Photography I and Teacher Recommendation
- Corequisite: Not applicable
- Photography II will build on the knowledge and experience of Photography I. Students will be encouraged to learn through more experimentation with the medium and take a closer look at the current uses and trends of photography in the art world. Practical knowledge will also be expanded in terms of lighting, exposure, content and new media. Students are required to have a digital camera and it is recommended that they have a DSLR or other camera that allows for manual exposure control.
- Students will learn to use the digital darkroom, Adobe Photoshop, and learn about the output process of inkjet printing and other methods of digital imaging.

LANGUAGE ARTS

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
1910*	English 9 with Enrichment	CP	9	1.0	AHC BLF HHS STEM
1911*	Enrichment for English 9	N	9	1.0	AHC BLF HHS STEM
1912	English 9	CP	9	1.0	AHC BLF HHS STEM
1913	Honors English 9	H	9	1.0	AHC BLF HHS STEM
1010*	English 10 with Enrichment	CP	10	1.0	AHC BLF HHS STEM
1011*	Enrichment for English 10	N	10	1.0	AHC BLF HHS STEM
1012	English 10	CP	10	1.0	AHC BLF HHS STEM
1013	Honors English 10	H	10	1.0	AHC BLF HHS STEM
1112	English 11	CP	11	1.0	AHC BLF HHS STEM
1113	Honors English 11	H	11	1.0	AHC BLF HHS STEM
1212	English 12	N	12	1.0	AHC BLF HHS STEM
1213	Honors English 12	H	12	1.0	AHC BLF HHS STEM
1214	AP English Language and Composition	AP	11	1.0	AHC BLF HHS STEM
1215	AP English Literature and Composition	AP	12	1.0	AHC BLF

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 Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

*This course is linked with another course that must also be selected. See corequisite information below.

1910 English 9 with Enrichment

Fee: YES

- Grade Levels: 9
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: 1911 Enrichment for English 9
- This course encompasses an extensive study of the various aspects of writing and literature. This class is designed to address a broad base of student abilities and build a foundation toward some form of post high school education. Students will complete a research paper in this class. Students will be required to complete a summer reading project to be submitted on the first day of school in August, regardless of the term the class will be taken.
- This course is linked with 1911 Enrichment for English 9 and must be taken together.

1911 Enrichment for English 9

Fee: YES

- Grade Levels: 9
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: 1910 English 9 with Enrichment
- English 9 Enrichment is designed to help students with meaningful gains in fluency, writing, vocabulary and reading comprehension. The goal is to fill in gaps in literacy learning and build a solid foundation in order to improve reading and writing skills. The course will also help develop higher-order thinking skills by directly teaching critical thinking skills, introducing Bloom's Taxonomy signal words and instructing in

vocabulary, syntax and figurative language. This course will support and supplement the work being done in English 9 as well as introduce students to organizational strategies and study skills. Upon successful completion of this course, students should consider enrolling in English 10 Enrichment.

- This course is linked with 1910 English 9 with Enrichment and must be taken together.
- This course does not count as one of the four required English credits. It counts as an elective credit.

1912 English 9

Fee: YES

- Grade Levels: 9
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- This course encompasses an extensive study of the various aspects of writing and literature. This class is designed to address a broad base of student abilities and build a foundation toward some form of post high school education. Students will complete a research paper in this class. Students will be required to complete a summer reading project to be submitted on the first day of school in August, regardless of the term the class will be taken.

1913 Honors English 9

Fee: YES

- Grade Levels: 9
- Credit: 1.0
- Prerequisite: Teacher Recommendation
- Corequisite: Not applicable
- Honors classes are designed for students who are capable of superior work. Interested students should be highly motivated and self-directed. Honors English classes are reading and writing intensive classes and incorporate a wide variety of literary selections. Students are required to complete an MLA research paper in this class. Students are required to complete two summer readings, which will be assessed in the first 2 weeks of class.

1010 English 10 with Enrichment

Fee: YES

- Grade Levels: 10
- Credit: 1.0
- Prerequisite: 1910/1911 English 9 with Enrichment or 1912 English 9
- Corequisite: 1011 Enrichment for English 10
- This course encompasses a review of the aspects of grammar, writing, research and vocabulary skills and develops an appreciation of literature and literary styles. This course is reading and writing intensive. This class is designed for a broad base of student abilities. Students are required to complete a summer reading assignment. Students will be required to procure the summer reading titles on their own and to complete a summer reading project to be submitted on the first day of school in August, regardless of the term the class will be taken.
- This course is linked with 1011 Enrichment for English 10 and must be taken together.

1011 Enrichment for English 10

Fee: YES

- Grade Levels: 10
- Credit: 1.0
- Prerequisite: 1910/1911 English 9 with Enrichment or 1912 English 9
- Corequisite: 1010 English 10 with Enrichment
- English 10 Enrichment is designed to help students with meaningful gains in fluency, writing, vocabulary and reading comprehension. The goal is to fill in gaps in literacy learning and build a solid foundation in order to improve reading and writing skills. The course will also help develop higher-order thinking skills by directly teaching critical thinking skills, introducing Bloom's Taxonomy signal words and instructing in vocabulary, syntax and figurative language. This course will support and supplement the work being done in English 10 as well as introduce students to organizational strategies and study skills.
- This course is linked with 1010 English 10 with Enrichment and must be taken together.
- This course does not count as one of the four required English credits. It counts as an elective credit.

- 1012 English 10** **Fee: YES**
- Grade Levels: 10
 - Credit: 1.0
 - Prerequisite: 1912 English 9
 - Corequisite: Not applicable
 - This course encompasses a review of the aspects of grammar, writing, research and vocabulary skills and develops an appreciation of literature and literary styles. This course is reading and writing intensive. This class is designed for a broad base of student abilities. Students are required to complete a summer reading assignment. Students will be required to procure the summer reading titles on their own and to complete a summer reading project to be submitted on the first day of school in August, regardless of the term the class will be taken.
- 1013 Honors English 10** **Fee: YES**
- Grade Levels: 10
 - Credit: 1.0
 - Prerequisite: 1913 Honors English 9 and Teacher Recommendation
 - Corequisite: Not applicable
 - Students entering this class should have completed Honors English 9 with a B or better. This is a writing driven class based on literary selections with emphasis placed on greater in depth analysis of works and on a variety of writing assignments, including the completion of a research paper. Students will be required to complete a summer reading project to be submitted on the first day of school in August, regardless of the term the class will be taken. In the first part of the semester, the students will be tested over the selections.
- 1112 English 11** **Fee: YES**
- Grade Levels: 11
 - Credit: 1.0
 - Prerequisite: 1012 English 10
 - Corequisite: Not applicable
 - This class is a general survey of American Literature from the colonial age to the present day. The class will focus on developing the skills of the reading/writing processes. Students will be expected to read and write in a variety of genres. This class is designed for a broad base of student abilities, which will be taken into consideration. Students will be required to complete a summer reading project to be submitted on the first day of school in August, regardless of the term the class will be taken.
- 1113 Honors English 11** **Fee: YES**
- Grade Levels: 11
 - Credit: 1.0
 - Prerequisite: 1013 Honors English 10 and Teacher Recommendation
 - Corequisite: Not applicable
 - This is a curriculum of American Literature specifically designed for students who desire an academically rigorous English course. This is a college-preparatory course for the student who is self-motivated, capable of superior work and efficient at time management. Students who have earned an average of 75% or better in Honors English 10 or an 90% or better in general English 10 may enroll in the course. The course format is primarily reading, writing, SAT/ACT vocabulary and discussion, with an emphasis on synthesis and analytical writing. The course includes summer reading texts, MLA research paper and other literary compositions, and a wide variety of American literary texts (*The Scarlet Letter*, *The Crucible*, *Of Mice and Men*, *The Great Gatsby*, and others). The class is required for students who plan to take AP English Literature and Composition their senior year. Students will be required to complete a summer reading project to be submitted on the first day of school in August, regardless of the term the class will be taken.

- 1212 English 12** **Fee: NO**
- Grade Levels: 12
 - Credit: 1.0
 - Prerequisite: 1112 English 11
 - Corequisite: Not applicable
 - The course will focus upon the writing and communication skills which are essential to functioning in today's world. Assignments will stress practical applications of language and communication skills as well as critical analysis of literature and media. A research project with presentation will be incorporated into the structure of the course. Students will be required to complete a summer reading project to be submitted on the first day of school in August, regardless of the term the class will be taken.
 - This class is **not recommended** for the student wishing to attend a four-year college.
- 1213 Honors English 12** **Fee: NO**
- Grade Levels: 12
 - Credit: 1.0
 - Prerequisite: 1113 Honors English 11 and Teacher Recommendation
 - Corequisite: Not applicable
 - This course is particularly recommended for those seniors who plan to attend a four-year college. A survey of world literature with an emphasis on British literature, review of grammar, study of composition techniques, enrichment of vocabulary, practice with oral presentations and a review of research skills are emphasized. Students are required to complete a reading/writing assignment to be submitted on the first day of school in August, regardless of the term the class will be taken.
- 1214 AP English Language and Composition** **Fee: YES**
- Grade Levels: 11
 - Credit: 1.0
 - Prerequisite: 90% or better in 1113 Honors English 10 and Teacher Recommendation
 - Corequisite: Not applicable
 - Students are expected to take the AP exam in May
 - AP English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both the writing and reading make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. An additional focus of the class is analyzing, synthesizing and evaluating identity and voice through works of major representative authors in order to enrich students with a literature curriculum that is both wide and deep. This course allows students to be eligible for college credit based on results from the Advanced Placement Examination in English Language and Composition. This course includes specific summer reading and writing assignments that are challenging.
- 1215 AP English Literature and Composition** **Fee: YES**
- Grade Levels: 12
 - Credit: 1.0
 - Prerequisite: 90% or better 1113 Honors English 11 and Teacher Recommendation or 85% or better in 1214 AP English Language and Composition and Teacher Recommendation
 - Corequisite: Not applicable
 - Students are expected to take the AP exam in May
 - AP English Literature and Composition is a college-level course for seniors who are highly motivated, advanced learners, excited by a rigorous, college-level curriculum. In this course, students work for sophistication in and mastery of mature language skills: the ability to read complex literature; to make critical judgments regarding the literary style, tone, structure, and themes; to use writing as a means to examine ideas critically; and to share the complexity and depth of their interpretations on a daily basis. This course allows students to be eligible for college credit based on results from the Advanced Placement Examination in Literature and Composition. Students should expect a large amount of time spent reading and writing outside of class. This course includes specific summer reading and writing assignments.

LANGUAGE ARTS ENRICHMENT

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
1000	Academic Enrichment	N	11, 12	1.0	Not applicable
1310	College Study Skills	CP	11	1.0	AHC BLF HHS STEM
1320	Creative Writing	N	11, 12	1.0	AHC
1330	Fantasy and Science Fiction	N	11, 12	1.0	AHC
1340*	Speech	CP	10, 11, 12	0.5	AHC
1350*	Drama	CP	10, 11, 12	0.5	AHC
1370*	Publications	N	10, 11, 12	1.0	AHC BLF
0008*	Publications Editor	N	11, 12	1.0	AHC BLF
1380*	Journalism	N	10, 11, 12	1.0	AHC BLF
0006*	Journalism Editor	N	12	1.0	AHC BLF

Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped
 Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

*This course is linked with another course that must also be selected. See corequisite information below.

1000 Academic Enrichment

Fee: NO

- Grade Levels: 11, 12
- Credit: 1.0
- Prerequisite: Teacher Recommendation
- Corequisite: Not applicable
- Academic Enrichment is designed to assist students who possess barriers to career and academic success. In this class, students will have the opportunity to recover credit for graduation. Students will be guided to make up credit through an online program. Academic Enrichment instruction and intervention is delivered in an atmosphere where the student gains a sense of belonging in an online educational environment. This course is for students who are significantly behind in credit for graduation.

1310 College Study Skills

Fee: YES

- Grade Levels: 11
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- The purpose of this class is to prepare students for the rigorous collegiate academic environment. The focus is on study skills and practical ideas for achieving success in college. Analyzing learning styles and study techniques will be emphasized as well as test preparation (including ACT), note taking, time management and critical thinking. In addition, students will work on financial literacy, college application essays, goal setting and presentation skills. Students will work with the total language concept incorporating reading, speaking, thinking, listening and writing. Both career and college research projects and presentations are required.

- 1320 Creative Writing** **Fee: NO**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - Creative Writing will focus on the development of excellent writing skills through the use of the writing process. The course will approach various types of writing, both creative and expository. Students will be required to share their writing with their peers and will be encouraged to submit works to outside sources for publication.
- 1330 Fantasy and Science Fiction** **Fee: NO**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - This course involves a study of the distinctions of fantasy, science fantasy and science fiction, and includes representative authors from the ancients to the present day. The course is designed to explore the effects that the imagination and scientific discoveries have had on literature.
- 1340 Speech** **Fee: NO**
- Grade Levels: 10, 11, 12
 - Credit: 0.5
 - Prerequisite: Not applicable
 - Corequisite: 1350 Drama
 - The purpose of this class is to introduce the principles of speech preparation and presentation. Students will be expected to make a number of individual speech presentations including the following: speech for special occasion, emotionally motivated speech, oral interpretation, expository speech, process speech, and persuasive speech. Students will also participate in collaborative group discussion.
 - This course is linked with 1350 Drama and must be taken together.
- 1350 Drama** **Fee: NO**
- Grade Levels: 10, 11, 12
 - Credit: 0.5
 - Prerequisite: Not applicable
 - Corequisite: 1340 Speech
 - This class is designed to provide students with an introduction to theater arts and stage acting. Students will explore acting techniques and the procedures of theater production. This will culminate in the collaborative development of scene projects to be performed in front of a live audience.
 - This course is linked with 1340 Speech and must be taken together.
- 1370 Publications (Yearbook)** **Fee: NO**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Teacher Recommendation
 - Corequisite: Not applicable
 - The primary objective of Publications is to design, fund and publish the school yearbook, *The Lohian*. Students will gain experience in journalistic writing and photography, layout, design, software use (InDesign, PhotoShop, and Yearbook Avenue). Some work and one meeting will be required during the summer. It is requested that students make a multiple year commitment to the staff.
 - Students are selected based on teacher recommendation and evaluation.
 - Enrollment is limited

0008 Publications Editor**Fee: NO**

- Grade Levels: 12
- Credit: 1.0
- Prerequisite: One year of experience on yearbook staff with title of editor, and Teacher Recommendation
- Corequisite: 1370 Publications
- Students in this class are the leaders of the yearbook staff. They attend summer yearbook camp, plan all aspects of the yearbook including the theme, organization, cover and page design, keep track of business transactions, keep the staff on budget, edit staff members' work, organize photographic coverage of all school events, chair editorial staff meetings, and motivate both staffs to meet deadline.

1380 Journalism (Newspaper)**Fee: NO**

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: B or better in English and Teacher Recommendation
- Corequisite: Not applicable
- The course will deal with the fundamentals of newspaper reporting, writing, editing and organization. Students will examine news media and how news media functions at the local, national and global levels. Students will also be responsible for the planning, writing, design, layout, advertising sales and publication of the school newspaper, *The Roar*, as well as publishing *The Roar's* online newspaper and Twitter account. Journalism is a full year course. It is requested that students make a two-year commitment.
- Students are selected based upon teacher recommendation and evaluation, and an application process that requires a writing sample.
- Enrollment is limited

0006 Journalism Editor**Fee: NO**

- Grade Levels: 12
- Credit: 1.0
- Prerequisite: One year of experience on newspaper staff with title of editor, and Teacher Recommendation
- Corequisite: 1380 Journalism
- Students in this class are the leaders of the newspaper staff. They plan all aspects of the monthly newspaper. They assign journalist and photographic coverage of events in the school, keep track of business transactions, maintain a monthly budget, edit staff members' work, chair editorial staff meetings and motivate the staff to meet deadlines. Editors also keep *The Roar's* website updated.

MATHEMATICS

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
3010*	Algebra I with Enrichment	CP	9	1.0	STEM
3011*	Enrichment for Algebra I	CP	9	1.0	STEM
3020	Algebra I	CP	9	1.0	STEM
3031*	Integrated Math II with Enrichment	CP	10	1.0	STEM
3032*	Enrichment for Integrated Math II	CP	10	1.0	STEM
3030	Geometry	CP	9	1.0	STEM
3030M	Integrated Math II	CP	10	1.0	STEM
3033M	Honors Integrated Math II	H	9, 10	1.0	STEM
3051*	Integrated Math III with Enrichment	CP	11, 12	1.0	STEM
3052*	Enrichment for Integrated Math III	CP	11, 12	1.0	STEM
3050	Integrated Math III	CP	10, 11	1.0	STEM
3053	Honors Integrated Math III	H	9, 10, 11	1.0	STEM
3040	Probability and Statistics	CP	10, 11, 12	1.0	STEM
3044	AP Statistics	AP	10, 11, 12	1.0	AHC BLF HHS STEM
3061	Precalculus	CP	11, 12	1.0	AHC BLF HHS STEM
3063	Honors Precalculus	H	10, 11	1.0	AHC BLF HHS STEM
3070	Honors Calculus	H	12	1.0	AHC BLF HHS STEM
3073	AP Calculus AB	AP	11, 12	1.0	BLF STEM
3074*	AP Calculus BC	AP	11, 12	1.0	STEM
3075*	AP Calculus BC	AP	11, 12	1.0	STEM
3080	Topics of Math	CP	11, 12	1.0	STEM

Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped
 Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

*This course is linked with another course that must also be selected. See corequisite information below.

Transition from the Integrated Mathematics Pathway to the Traditional Mathematics Pathway

The state of Ohio has reorganized the required math standards which can be satisfied by choosing one of two pathways: the Integrated Mathematics Pathway or the Traditional Mathematics Pathway. Currently, we offer the Integrated Mathematics Pathway, in which Algebra 1 and Geometry content is covered over the course of two years in Math I and Math II, and the Algebra 2 content is covered in Math III. In 2018-2019, we will begin to transition to the Traditional Pathway, in which the students will progress through Algebra 1, Geometry, and Algebra 2. Both pathways offer complete coverage of all state math standards, but the Traditional pathway provides a more focused treatment of Algebra 1 and Geometry that will better prepare our students for success given the realignment of the standards.

Grade levels listed in course descriptions may vary based upon teacher recommendation.

3010 Algebra I with Enrichment

Fee: YES

- Grade Levels: 9
- Credit: 1.0
- Prerequisite: Teacher Recommendation
- Corequisite: 3011 Enrichment for Algebra I
- Algebra 1 is the first course in the three course high school core curriculum sequence. In this course the main focus is on linear, exponential and quadratic equations. Topics to be covered include: the relationship between quantities, linear and quadratic reasoning with equations and graphs, exponential equations, transformation of quadratic equations, and descriptive statistics. This course is linked with the Enrichment for Algebra 1 course, designed to provide additional support for students as they grasp the concepts taught in the Algebra I course. Upon successful completion, students should enroll in Geometry with Enrichment.
- This course is linked with 3011 Enrichment for Algebra I and must be taken together.

3011 Enrichment for Algebra I

Fee: NO

- Grade Levels: 9
- Credit: 1.0
- Prerequisite: Teacher Recommendation
- Corequisite: 3010 Algebra I with Enrichment
- This course is designed to provide additional support for students as they grasp the concepts taught in the Algebra I course.
- This course is linked with 3010 Algebra I with Enrichment and must be taken together.

3020 Algebra I

Fee: YES

- Grade Levels: 9
- Credit: 1.0
- Prerequisite: Teacher Recommendation
- Corequisite: Not applicable
- Algebra 1 is the first course in the three course high school core curriculum sequence. In this course the main focus is on linear, exponential and quadratic equations. Topics to be covered include: the relationship between quantities, linear and quadratic reasoning with equations and graphs, exponential equations, transformation of quadratic equations, and descriptive statistics. Upon successful completion of this course, students should enroll in Geometry.

3031 Integrated Math II with Enrichment

Fee: YES

- Grade Levels: 10
- Credit: 1.0
- Prerequisite: 3010/3011 Integrated Math I with Enrichment and Teacher Recommendation
- Corequisite: 3032 Enrichment for Integrated Math II
- Integrated Math II is the second course in the Integrated High School Core Mathematics Program. Students will study arithmetic of polynomials, the quadratic behavior of functions, geometric proof, properties of circles, and probability. Students will continue to develop their deductive reasoning skills as they study specific topics throughout the course. This course is linked with the Enrichment for Integrated Math II course, designed to provide additional support for students as they grasp the concepts taught in the Integrated Math II course. Upon successful completion of this course, students should consider enrolling in Integrated Math III with Enrichment.
- This course is linked with 3032 Enrichment for Integrated Math II and must be taken together.

3032 Enrichment for Integrated Math II

Fee: NO

- Grade Levels: 10
- Credit: 1.0
- Prerequisite: 3010/3011 Integrated Math I with Enrichment and Teacher Recommendation
- Corequisite: 3031 Integrated Math II with Enrichment
- This course is designed to provide additional support for students as they grasp the concepts taught in the Integrated Math II course.
- This course is linked with the 3031 Integrated Math II with Enrichment course and must be taken together.

- 3030 Geometry** **Fee: YES**
- Grade Levels: 9
 - Credit: 1.0
 - Prerequisite: Algebra 1 and Teacher Recommendation
 - Corequisite: Not applicable
 - Geometry is the second course in the three course high school core curriculum sequence. This course focuses on proving and applying theorems of triangles, angles, and lines. Topics to be covered include: right triangle trigonometry, formal and informal proofs, coordinate geometry, circles, parallel and perpendicular lines, and probability. Upon successful completion of this course, students should enroll in Algebra 2.
- 3030M Integrated Math II** **Fee: YES**
- Grade Levels: 10
 - Credit: 1.0
 - Prerequisite: 3020 Integrated Math I and Teacher Recommendation
 - Corequisite: Not applicable
 - Integrated Math II is the second course in the Integrated High School Core Mathematics Program. Topics to be covered include: arithmetic of polynomials, the quadratic behavior of functions, geometric proof, properties of circles, and probability. Students will continue to develop their deductive reasoning skills as they study specific topics throughout the course. Upon successful completion of this course, students should enroll in Integrated Math III.
- 3033M Honors Integrated Math II** **Fee: YES**
- Grade Levels: 9, 10
 - Credit: 1.0
 - Prerequisite: Honors Integrated Math I taken in 8th grade or 3020 Integrated Math I, and Teacher Recommendation
 - Corequisite: Not applicable
 - Honors Integrated Math II is an accelerated course designed for students who successfully completed Honors Integrated Math I in the 8th grade. Student eligibility for this course is based on a high level of previous mathematical achievement and a strong teacher recommendation. This is the second course in the Integrated High School Core Mathematics Program and is designed to challenge students who have strong mathematical backgrounds. Topics to be covered include: arithmetic of polynomials, the quadratic behavior of functions, geometric proof, properties of circles, and probability. Students will continue to develop their deductive reasoning skills as they study specific topics throughout the course. Upon successful completion of this course, students should consider enrolling in Honors Integrated Math III.
- 3051 Integrated Math III with Enrichment** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 3031/3032 Integrated Math II with Enrichment and Teacher Recommendation
 - Corequisite: 3052 Enrichment for Integrated Math III
 - Integrated Math III is the third course in the three course high school core curriculum sequence. This course focuses on functions of all varieties. Topics include: polynomial, trigonometric, exponential and logarithmic functions, rational expressions, complex numbers, and random sampling. Upon successful completion of this course, student should consider enrolling in Topics of Math or Probability and Statistics.
 - This course is linked with 3052 Enrichment for Integrated Math III and must be taken together.
- 3052 Enrichment for Integrated Math III** **Fee: NO**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 3031/3032 Integrated Math II with Enrichment and Teacher Recommendation
 - Corequisite: 3051 Integrated Math III with Enrichment
 - This course is linked with the Integrated Math III course and must be taken together. It is designed to provide additional support for students as they grasp the concepts taught in the Integrated Math III course.
 - This course is linked with 3051 Integrated Math III with Enrichment and must be taken together.

- 3050 Integrated Math III** **Fee: YES**
- Grade Levels: 10, 11
 - Credit: 1.0
 - Prerequisite: 3030 Integrated Math II and Teacher Recommendation
 - Corequisite: Not applicable
 - Integrated Math III is the third course in the three course high school core curriculum sequence. This course focuses on functions of all varieties. Topics include: polynomial, trigonometric, exponential and logarithmic functions, rational expressions, complex numbers, and random sampling. Upon successful completion of this course, student should consider enrolling in Precalculus, Topics of Math, or Probability and Statistics.
- 3053 Honors Integrated Math III** **Fee: YES**
- Grade Levels: 9, 10, 11
 - Credit: 1.0
 - Prerequisite: 3033 Honors Integrated Math II and Teacher Recommendation
 - Corequisite: Not applicable
 - Honors Integrated Math III is the third course in the three course high school core curriculum sequence. This course focuses on functions of all varieties. Topics include: polynomial, trigonometric, exponential and logarithmic functions, rational expressions, complex numbers, and random sampling. Upon successful completion of this course, student should consider enrolling in Honors Precalculus, Precalculus, and/or AP Statistics, and/or Probability and Statistics.
- 3040 Probability and Statistics** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite or corequisite: 3051/3052 Integrated Math III with Enrichment or 3050 Integrated Math III or 3053 Honors Integrated Math III, and Teacher Recommendation
 - Corequisite: Not applicable
 - This course is an elective math course that can satisfy your fourth math credit. Probability and Statistics can be taken at the same time as any other math course after Integrated Math II. This course introduces students to fundamentals of both probability and statistics and focuses on collection and analysis of real-world data. Topics include (but are not limited to): data analysis, probability, sampling methods, confidence intervals, and hypothesis tests.
- 3044 AP Statistics** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: A grade of B or better in 3053 Honors Integrated Math III or 3050 Integrated Math III, and Teacher Recommendation
 - Corequisite: Not applicable
 - AP Statistics is a rigorous college level course designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns and statistical inference. This course can be taken at the same time as any other math course after Integrated Math III.
 - Students are expected to take the AP exam in May.
- 3061 Precalculus** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 3050 Integrated Math III or 3053 Honors Integrated Math III, and Teacher Recommendation
 - Corequisite: Not applicable
 - This course may be used to satisfy the fourth math credit requirement. Topics in this course will cover (but not be limited to) modeling mathematics with the following functions: power, polynomial, exponential, logarithmic, rational, and trigonometric. Also included in this course are connections to physics and linear algebra. Upon completion of this course students can consider enrolling in Probability and Statistics, Topics of Math or Honors Calculus.

- 3063 Honors Precalculus** **Fee: YES**
- Grade Levels: 10, 11
 - Credit: 1.0
 - Prerequisite: 3053 Honors Integrated Math III and Teacher Recommendation
 - Corequisite: Not applicable
 - This course may be used to satisfy the fourth math credit requirement. Topics in this course will cover (but not be limited to) modeling mathematics with the following functions: power, polynomial, exponential, logarithmic, rational, and trigonometric. Also included in this course are connections to physics and linear algebra. This course is meant to prepare students to take AP Calculus (AB or BC) and will therefore include topics related to Calculus and its theory. Upon completion of this course students can consider enrolling in AP Statistics, Probability and Statistics or AP Calculus (AB or BC).
- 3070 Honors Calculus** **Fee: YES**
- Grade Levels: 12
 - Credit: 1.0
 - Prerequisite: 3061 Precalculus and Teacher Recommendation
 - Corequisite: Not applicable
 - It is imperative that only students who experienced a great deal of success in either Honors Precalculus or Precalculus consider taking this course. Students will also need a teacher recommendation to enter this course. This course provides students with an introduction to the basic concepts developed in Differential Calculus. This includes a study of continuous vs. discontinuous functions, limits, derivatives, application of derivatives, a study of related rates and antiderivatives.
- 3073 AP Calculus AB** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 3063 Honors Precalculus and Teacher Recommendation
 - Corequisite: Not applicable
 - Students are expected to take the AP exam in May.
 - AP Calculus AB is a rigorous college-level course designed for students who exhibit a high mathematical aptitude. Topics covered in this course include: limits, derivatives, integrals, and their applications.
 - Students considering AP Calculus AB are strongly encouraged to take Honors Precalculus in the school year prior to taking the course.
- 3074 AP Calculus BC** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 3063 Honors Precalculus and Teacher Recommendation
 - Corequisite: 3075 AP Calculus BC
 - Students are expected to take the AP exam in May.
 - AP Calculus BC is a rigorous college-level course designed for students who exhibit a high mathematical aptitude, as well as successfully completed Honors Precalculus with an A or possibly a high B. The class will prepare the students for the AP Exam by covering Calculus 1 and 2. Topics covered in this course include: limits, derivatives, integrals, convergence and divergence of series, and their applications.
 - Students considering AP Calculus BC are strongly encouraged to take Honors Precalculus in the school year prior to taking the course.
 - This course is linked with 3075 AP Calculus BC and must be taken together.
- 3075 AP Calculus BC** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 3063 Honors Precalculus and Teacher Recommendation
 - Corequisite: 3074 AP Calculus BC
 - Students are expected to take the AP exam in May.
 - This course is linked with 3074 AP Calculus BC and must be taken together. Refer to description above for details.

3080 Topics of Math**Fee: YES**

- Grade Levels: 11, 12
- Credit: 1.0
- Prerequisite: 3051/3052 Integrated Math III with Enrichment or 3050 Integrated Math III or 3053 Honors Integrated Math III, and Teacher Recommendation
- Corequisite: Not applicable
- This course has been designed to provide an opportunity for students to further study mathematics as it relates directly to the real world. In short, if a student has ever sat in a math class wondering how to use math in the real world, this is the course designed to answer that question. This course is designed to appeal to students who complete the Enrichment sequence of Math I, Math II, and Math III. Much of this course will involve project-based learning and have students investigate applications and do activities using previously learned skills (with the use of technology and by-hand mathematics).

MUSIC

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
8900	Beginning Guitar	N	10, 11, 12	1.0	AHC
8901	Intermediate Guitar	N	10, 11, 12	1.0	AHC
8909	Concert Band	N	9, 10, 11, 12	1.0	AHC
8910	Symphonic Band	N	9, 10, 11, 12	1.0	AHC
8911	Wind Symphony	N	10, 11, 12	1.0	AHC
8930	Allure Women's Ensemble	N	9, 10, 11, 12	1.0	AHC
8931	Chorale	N	9, 10, 11, 12	1.0	AHC
8974	Vocal Ensemble	N	9, 10, 11, 12	1.0	AHC
8935	By Request Show Choir	N	9, 10, 11, 12	1.0	AHC
8970	String Orchestra	N	9, 10, 11, 12	1.0	AHC
8971	Chamber Orchestra	N	9, 10, 11, 12	1.0	AHC
8920	Jazz Lab Band	N	9, 10, 11, 12	1.0	AHC
8921	Jazz Orchestra	N	9, 10, 11, 12	1.0	AHC
8950	AP Music Theory	AP	11, 12	1.0	AHC

Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped
 Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

8900 Beginning Guitar

Fee: NO

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- This is an elective course for beginning guitarists with little or no experience on the instrument. Students will learn open chords, power chords, moveable chords, single note (melody) playing, accompaniment techniques, and a variety of playing techniques and styles, including pick and finger style approaches to the guitar. The course also includes music fundamentals, theory, songs, listening, improvising and learning to read standard music notation as well as tablature. In addition, students will be encouraged to attend performances, as well as perform or compete themselves. Students are required to provide their own acoustic guitar and accessories.

- 8901 Intermediate Guitar** **Fee: NO**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 8900 Beginning Guitar or Audition
 - Corequisite: Not applicable
 - This is a course for intermediate guitarists who have a comprehensive understanding of basic music theory, chords, both tab and music notation reading, picking, finger picking and varying accompaniment styles. Students will learn to figure out songs by ear, transcribe, play advanced chord voicings and play many different styles with varying tone and technique. Students are required to provide their own acoustic guitar and accessories.
- 8909 Concert Band** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 8th Grade Band, Audition and Teacher Recommendation
 - Corequisite: Not applicable
 - This is a performance-driven ensemble where placement is based upon an audition held in the spring. The emphasis of this course will be to teach the fundamentals of musicianship through performance on woodwind, brass and percussion instruments. This ensemble performs a minimum of three concerts a year with one performance in the winter and two in the spring. Performance attire required.
- 8910 Symphonic Band** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 8th Grade Band, Audition and Teacher Recommendation
 - Corequisite: Not applicable
 - The Symphonic Band is a select group that performs the finest wind literature. Proper instrumental technique, ear training skills, music theory and appropriate rehearsal disciplines will be taught and maintained within the group. Enrollment is by audition only. This performance-based class will include intermediate to advanced level concert, jazz and solo and ensemble music (OMEA Class A/B). This group performs many times during the school year for community activities, school functions, OMEA district and state contests and special performances. Private study is strongly recommended. Performance attire required.
- 8911 Wind Symphony** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Audition and Teacher Recommendation
 - Corequisite: Not applicable
 - The Wind Symphony is a highly select group that performs the finest wind literature. Proper instrumental technique, ear training skills, music theory and appropriate rehearsal/ performance disciplines will be taught and maintained within the group. Enrollment is by audition only. This performance-based class will include high quality, advanced concert literature (OMEA class AA/A) and solo and ensemble music. Students must be available for rehearsals after school, school functions, public performances, solo and ensemble adjudicated events and OMEA district and state contests. Private study is strongly recommended. Performance attire required.
- 8930 Allure Women's Ensemble** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Audition and Teacher Recommendation
 - Corequisite: Not applicable
 - This vocal group performs quality literature appropriate for the developing choir. Proper vocal technique, sight reading, ear training, basic music theory and rehearsal/performance techniques will be taught. This performance-based class will include quality concert literature (OMEA class B/C), solo and ensemble music and standard choral repertoire, including music from various cultures, religions and time periods. Participating students must be available for outside of school rehearsals, performances, and OMEA district contests. Grades will be based on participation, assignments and quizzes, as well as concert attendance and performance. Private study is strongly recommended. Performance attire required.

- 8931 Chorale** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Teacher Recommendation
 - Corequisite: Not applicable
 - This vocal group performs quality literature appropriate for the high school developed choir. Proper vocal technique, sight reading, ear training, basic music theory and rehearsal/performance techniques will be taught. Participating students must be available for outside of school performances and OMEA district contests. Grades will be based on participation, assignments and quizzes, as well as concert attendance and performance. Private study is strongly recommended. Performance attire required.
- 8974 Vocal Ensemble** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Audition and Teacher Recommendation
 - Corequisite: Not applicable
 - Vocal Ensemble is a vocal group that performs quality literature that is appropriate for the advanced choir. Proper vocal technique, sight reading, ear training, basic music theory and rehearsal/performance techniques will be taught. This performance-based class will include high level concert literature (OMEA class A/AA), solo and ensemble music and standard choral repertoire, including music from various cultures, religions and time periods. Students participating in Vocal Ensemble must be available for outside of school performances and OMEA district and state contests. Grades will be based on participation, assignments and quizzes, as well as concert attendance and performance. Private study is strongly recommended. Performance attire required.
- 8935 By Request Show Choir** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Audition and Teacher Recommendation
 - Corequisite: Vocal Ensemble or Allure Women's Ensemble (see Concurrent Enrollment Policy below)
 - Members of the Show Choir will be selected by audition from the members of Vocal Ensemble. The group will perform a variety of musical styles, including but not limited to, jazz, musical theater, popular music and modern a cappella. The group will also learn and apply advanced performance techniques. This class will meet during the school day with some required night and weekend rehearsals. The group will perform at school concerts, community events and music festivals. Private study is strongly recommended. Performance attire required.
- 8970 String Orchestra** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Audition and Teacher Recommendation
 - Corequisite: Not applicable
 - The String Orchestra is open to all students in grades 9-12 who play an orchestral string instrument and have had prior instrumental experience. Proper instrumental technique, ear training skills, music theory, composition and appropriate rehearsal and performance disciplines will be taught and maintained within the group. This performance-based class will include string and full orchestra music in classical, multicultural and contemporary styles as well as solo and ensemble literature. This group performs many times during the school year for community activities, school functions, OMEA state contests and special performances. Students are expected to participate in all orchestral events. Grades will be based on participation in class, weekly practice logs, playing and written tests as well as concert attendance and performance. Private study is strongly recommended. Performance attire required.
- 8971 Chamber Orchestra** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Audition and Teacher Recommendation
 - Corequisite: Not applicable
 - The Chamber Orchestra is a highly select group that performs the finest string and full orchestra literature. Proper instrumental technique, ear training skills, music theory and appropriate rehearsal/performance disciplines will be taught and maintained within the group. Enrollment is by audition only. This performance-based class will include Class A concert literature and solo and ensemble

music. Students selected must be available for rehearsals after school, public performances, solo and ensemble adjudicated events and OMEA state contest. Grades will be based on participation in class, weekly practice logs, playing and written tests as well as concert attendance and performance. Private study is strongly recommended. Performance attire required.

8920 Jazz Lab Band

Fee: YES

- Grade Levels: 9, 10, 11, 12
- Credit: 1.0
- Prerequisite: Audition and Teacher Recommendation
- Corequisite: Concert Band, Symphonic Band or Wind Ensemble, String Orchestra or Chamber Orchestra (see Concurrent Enrollment Policy below)
- The Loveland High School Jazz Studies Ensemble is a select group of students performing literature in the jazz idiom while further examining the areas of jazz history, theory and improvisation. This group prepares students for the Jazz Commercial and Contemporary group. Enrollment is by audition only. Instrumentation is limited to saxophone, trumpet, trombone, keyboard/piano, vibraphone, guitar, bass and drum set. This performance-based class performs a series of concerts throughout the school year at concerts, school functions, community events and festivals. A series of jazz listening experiences and a final project are required of all members. Performance attire required.

8921 Jazz Orchestra

Fee: YES

- Grade Levels: 9, 10, 11, 12
- Credit: 1.0
- Prerequisite: Audition and Teacher Recommendation
- Corequisite: Concert Band, Symphonic Band or Wind Ensemble, String Orchestra or Chamber Orchestra (see Concurrent Enrollment Policy below)
- The Loveland High School Jazz Commercial and Contemporary Group is a select group of students, grades 9-12, that performs literature in the jazz idiom while further examining the areas of jazz history, theory, improvisation and solo transcription / writing. Enrollment is by audition only. Instrumentation is limited to saxophone, trumpet, trombone, keyboard/piano, vibraphone, guitar, bass and drum set. This performance-based class performs a series of concerts throughout the school year at concerts, school functions, community events and festivals. A series of jazz listening experiences and a final project is required of all members. Appropriate concert attire, as defined by the teacher, is to be worn for all performances.

8950 AP Music Theory

Fee: YES

- Grade Levels: 11, 12
- Credit: 1.0
- Prerequisite: Teacher Recommendation
- This course integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition and, to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing and keyboard harmony are considered an important part of the theory course. The student's ability to read and write musical notation is fundamental to this course. It is strongly recommended that the student will have acquired at least basic performance skills in voice or on an instrument. The ultimate goal of this course is to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. This course prepares students for the Advanced Placement Music Theory test.
- Students are expected to take the AP exam in May.

Loveland High School Music Department Concurrent Enrollment Policy

Each student who participates in jazz band or marching band must be concurrently enrolled in a concert band, choir or orchestra (Concert Band, Symphonic Band or Wind Ensemble, String Orchestra or Chamber Orchestra). Each student who participates in show choir must be concurrently enrolled in a concert choir (Vocal Ensemble, Women's Ensemble or Chorale). There will be no exceptions to this policy for 9th and 10th grade students. Any 11th or 12th grade student wishing to be exempt from concert band must complete 4 credits of band prior to the exemption. Any 11th or 12th grade student wishing to be exempt from Vocal Ensemble must complete 4 credits of vocal music prior to the exemption. In addition, any student wishing to be exempt from the policy must follow the Loveland High School Concurrent Enrollment Exemption Procedure and maintain a full course load. For example, the student may not be an aide. The student must meet with the appropriate ensemble director.

PHYSICAL EDUCATION AND HEALTH

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
9901*	Physical Education 1	N	9	0.25	HHS
9902*	Physical Education 2 - Fitness	N	10	0.25	HHS
9903*	Physical Education 2 - Sport	N	10	0.25	HHS
9904	Lifetime Sports	N	11, 12	1.0	HHS
9905	Personal Fitness	N	11, 12	1.0	HHS
9910*	Health	N	9	0.5	HHS
9911	Lifetime Health and Wellness	N	11, 12	1.0	HHS

Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped
 Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

***This course is linked with another course that must also be selected. See corequisite information below.**

Physical Education 1 and 2 are required for all students. A medical excuse is required for modification of the physical education requirement. Physical Education courses are not calculated into the grade point average.

Physical Education Waiver: As allowable under current Ohio law, students who, during high school, have participated in school-recognized interscholastic athletics, marching band, or cheerleading for at least two full seasons may be excused from the high school physical education requirement. Any change in Ohio law may eliminate the substitution of these activities for the physical education requirements. Students who choose to waive Physical Education will be required to fulfill their Health requirement using alternate methods, which may include Online Health and/or Summer School. A Physical Education Waiver Form (one form applies to both seasons) must be submitted to the Office of School Counseling with the Course Selection Form.

9901 Physical Education 1

Fee: NO

- Grade Levels: 9
- Credit: 0.25
- Prerequisite: Not applicable
- Corequisite: 9910 Health
- Physical Education emphasizes the development of fitness and physical health. This course will allow students to understand the principles necessary to improve fitness through body weight training, cardiovascular aerobic training and stretch techniques. Students will also learn the basic skills, knowledge and attitudes necessary for participation in a variety of lifetime team and individual sport activities. Team and individual sport activities will increase self-confidence, cooperation and teamwork, leadership, physical fitness and sportsmanship.
- This course is linked with 9910 Health and must be taken together.

9902 Physical Education 2 - Fitness

Fee: NO

- Grade Levels: 10
- Credit: 0.25
- Prerequisite: 9901 Physical Education 1
- Corequisite: 9903 Physical Education 2 - Sport
- This course will emphasize and improve the development of physical health. This goal-oriented course will enable students to develop a personal fitness plan while learning the principles necessary to improve fitness through body weight training, cardiovascular aerobic training and stretch techniques. Circuit training will include, but is not limited to, versa bars, resistance bands, stability balls, medicine balls, kettlebells and dumbbells.
- This course is linked with 9903 Physical Education 2 - Sport and must be taken together.

- 9903 Physical Education 2 - Sport** **Fee: NO**
- Grade Levels: 10
 - Credit: 0.25
 - Prerequisite: 9901 Physical Education 1
 - Corequisite: 9902 Physical Education 2 - Fitness
 - This course will emphasize the basic skills, knowledge and attitudes necessary for participation in a variety of lifetime team, individual and lead-up sport activities. Team and individual sport activities will increase self-confidence, cooperation and teamwork, leadership, physical fitness and sportsmanship. Written and skill tests will be given throughout the term.
 - This course is linked with 9902 Physical Education 2 - Fitness and must be taken together.
- 9904 Lifetime Sports** **Fee: NO**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: Physical Education 1 and Physical Education 2, or Physical Education Waiver
 - Corequisite: Not applicable
 - Lifetime Sport will emphasize the basic skills, knowledge and attitudes necessary for participation in a variety of lifetime team, individual and recreational sport activities. Team and individual sport activities will increase self-confidence, cooperation and teamwork, leadership, physical fitness and sportsmanship.
 - This course may not be substituted for the graduation requirement of Health, Physical Education 1 or 2.
- 9905 Personal Fitness** **Fee: NO**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: Physical Education 1 and Physical Education 2, or Physical Education Waiver
 - Corequisite: Not applicable
 - This course will allow all participants to enjoy the benefits of personal physical fitness. Personal Fitness is offered to students interested in improving and maintaining muscular development and strength training through routine participation in the weight room. Students will explore multiple training exercises while learning the benefits of goal-setting, flexibility, progression and correct lifting techniques. Class days will consist of google classroom, short lectures, cardiovascular training, nutrition education, active recovery and explosive training.
 - This course may not be substituted for the graduation requirement of Health, Physical Education 1 or 2.
- 9910 Health** **Fee: NO**
- Grade Levels: 9
 - Credit: 0.5
 - Prerequisite: Not applicable
 - Corequisite: 9901 Physical Education 1
 - Basic content includes: nutrition, drugs, alcohol, tobacco, lifestyle, bones, muscles, mental health, sexuality, sexually transmitted diseases and CPR training.
 - This course is linked with 9901 Physical Education 1 and must be taken together.
- 9900 Online Health** **Fee: NO**
- Grade Levels: 10
 - Credit: 0.5
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - All students have the option of taking Health online through Loveland High School. The Online Health class covers the same curriculum as that taught during the school day and includes a final exam. The final exam will be taken in person with the instructor. Completion of the course is done outside of the school day, in addition to a full course load during the school day.
 - For students waiving the Physical Education requirement, Online Health allows the opportunity to fulfill the graduation requirement and to select an additional course during the school day.
 - For students not involved in school-recognized interscholastic athletics, marching band or cheerleading who wish to take Online Health, must complete their Physical Education requirement using alternate methods such as Summer School.
 - Students will have nine weeks to complete the class.
 - There is no cost to take Online Health during the school year.

9911 Lifetime Health and Wellness

Fee: NO

- Grade Levels: 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- Personally explore current health and wellness issues that high school juniors and seniors face as they transition to postsecondary life. Pertinent topics in the classroom include goal-setting, effective communication, stress management, decision making/risk taking, nutrition and exercise, healthy eating habits and recipes, campus life, self-defense and building relationships. These concepts are reinforced through round table discussions, guest speaker presentations, videos, reflections and life skills booklet completion. Wellness exercise units include stretching methods, yoga, aerobic and anaerobic exercises and core exercises.

PROJECT LEAD THE WAY ENGINEERING PROGRAM

Loveland City Schools has partnered with Great Oaks to offer Project Lead the Way courses. PLTW provides rigorous curriculum that makes science, technology, math and engineering relevant for students. Students will engage in hands-on, real-world projects that connect skills they are learning to everyday life. All courses are taught at Loveland High School.

Code	Title	Ability Level*	Eligible Grade Levels	Credit	Pathway(s)
7510	Introduction to Engineering Design	CP	9, 10, 11, 12	1.0	STEM
7520	Principles of Engineering	CP	10, 11, 12	1.0	STEM
7530	Digital Electronics	CP	10, 11, 12	1.0	STEM

Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped
 Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

7510 Introduction to Engineering Design (IED)

Fee: Not applicable

- Grade Levels: 9, 10, 11, 12
- Credit: 1.0
- Prerequisite: Integrated Math I
- Corequisite: Not applicable
- Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

7520 Principles of Engineering (POE)

Fee: Not applicable

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: Integrated Math II and Introduction to Engineering Design
- Corequisite: Not applicable
- This course explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects and problems, students learn first-hand how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change.

7530 Digital Electronics (DE)

Fee: Not applicable

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: Introduction to Engineering Design and Principles of Engineering
- Corequisite: Not applicable
- From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits and programmable logic devices.

SCIENCE

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
4000	Physical Science	CP	9, 10	1.0	STEM
4010	Biology	CP	9	1.0	HHS STEM
4011	Fundamentals of Microbiology	N	9, 10, 11, 12	1.0	HHS STEM
4013	Honors Biology	H	9	1.0	HHS STEM
4014*	AP Biology	AP	10, 11, 12	1.0	HHS STEM
4015*	AP Biology	AP	10, 11, 12	1.0	HHS STEM
4020	Environmental Science	N	9, 10, 11, 12	1.0	HHS STEM
4022**	Sustainability	N	10, 11, 12	1.0	STEM
4023*	AP Environmental Science	AP	10, 11, 12	1.0	HHS STEM
4024*	AP Environmental Science	AP	10, 11, 12	1.0	HHS STEM
4030	Chemistry	CP	10, 11, 12	1.0	HHS STEM
4033	Honors Chemistry	H	10, 11, 12	1.0	HHS STEM
4034*	AP Chemistry	AP	11, 12	1.0	HHS STEM
4035*	AP Chemistry	AP	11, 12	1.0	HHS STEM
4050	Project Physics	N	9, 10, 11, 12	1.0	STEM
4053	Honors Physics	H	9, 10, 11, 12	1.0	STEM
4054*	AP Physics	AP	10, 11, 12	1.0	HHS STEM
4055*	AP Physics	AP	10, 11, 12	1.0	HHS STEM
4066	Forensic Science	N	11, 12	1.0	BLF STEM
4070	Honors Anatomy and Physiology	H	11, 12	1.0	HHS STEM
4080*	Biotechnology I	CP	11	1.0	HHS STEM
4081*	Biotechnology II	CP	11	1.0	HHS STEM
4083*	Biotechnology III	CP	12	1.0	HHS STEM
4084*	Biotechnology IV	CP	12	1.0	HHS STEM

Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped

Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

*This course is linked with another course that must also be selected. See corequisite information below.

**This course is for elective credit only and does NOT fulfill the third science requirement for graduation.

The following information is provided to assist in choosing which science courses are most appropriate considering individual student goals. This serves as a guideline only and is not all-inclusive.

Career Plan	Recommended Course(s)	Additional Considerations
Architecture	Chemistry Honors Physics	AP Physics
Engineering	Chemistry AP Physics	AP Chemistry Biotechnology
Health Field	Chemistry	Fundamentals of Microbiology Honors Anatomy and Physiology AP Biology AP Chemistry AP Physics Biotechnology
Life Science	Chemistry	Environmental Science AP Environmental Science Fundamentals of Microbiology Honors Anatomy and Physiology AP Biology AP Chemistry AP Physics Forensic Science Biotechnology
Physical Science	Chemistry Honors Physics	AP Chemistry AP Physics Forensic Science
Physical Therapy	Chemistry Honors Physics	Honors Anatomy and Physiology AP Biology AP Chemistry AP Physics Biotechnology

4000 Physical Science

Fee: YES

- Grade Levels: 9, 10
- Credit: 1.0
- Prerequisite: Teacher Recommendation
- Prerequisite or Corequisite: 3031/3032 Integrated Math II with Enrichment, 3030 Geometry, 3030M Integrated Math II
- This course is designed to introduce students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Students will have the opportunity to be actively engaged in learning the fundamental laws and concepts of physics, chemistry and astronomy. A focus on inquiry based learning as students will be encouraged to explore the relationship between science and everyday life by applying these laws and principles to the dynamics of earth science, including the formation and ongoing changes within the universe and our earth.

4010 Biology

Fee: YES

- Grade Levels: 9
- Credit: 1.0
- Prerequisite: Teacher Recommendation
- Corequisite: Not applicable
- This course is designed to enable the student to become knowledgeable in the major topics of biology. Students taking this course will have the opportunity to learn the four major aspects of biology: cell, genetics, evolution and interdependence. Lab work is involved with focus on inquiry.
- Students enrolled in Enrichment math courses should take 4010 Biology.

- 4011 Fundamentals of Microbiology** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: At least a C average in 4010 Biology or 4013 Honors Biology and Teacher Recommendation
 - Corequisite: Not applicable
 - This course is a lab-focused, lecture supported, approach to exploring the diversity of the microbial world, interactions between microbes and host, infectious diseases in humans and the environmental and economic impact of microorganisms. Includes basic and applied microbiology topics. The lab portion of this course provides experiences that will inform, illustrate, expand and reinforce the material, and will be a large part of the course grade. A strong understanding of biology is preferred.
- 4013 Honors Biology** **Fee: YES**
- Grade Levels: 9
 - Credit: 1.0
 - Prerequisite: Teacher Recommendation
 - Corequisite: Not applicable
 - This fast-paced course is designed to instill in the student an in-depth knowledge of the major themes of biology: cell, genetics, evolution and interdependence. Lab work will stress investigation, inquiry skills and analysis of scientific writing. Additionally, students will read and complete an independent book project that requires outside classwork, technology skills and academic writing abilities. This is a college-preparatory course for the student who desires academically rigorous work, is self-motivated, is capable of superior work and is efficient with time management.
- 4014* AP Biology** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: At least a B average in 4013 Honors Biology and Teacher Recommendation
 - Prerequisite or Corequisite: 4033 Honors Chemistry
 - This is a rigorous college level biology course, designed for students who are planning to major in a biological field. General topics will include cell biology, evolution, genetics and plant and animal structure and function. Design-your-own labs will emphasize problem-solving ability and the learning of advanced techniques. AP Biology complements the biotechnology program by providing a deeper knowledge of the advanced biology curriculum that students can apply to their senior capstone.
 - Students are expected to take the AP exam in May.
 - This course is linked with 4015 AP Biology and must be taken together.
- 4015* AP Biology** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: At least a B average in 4013 Honors Biology and Teacher Recommendation
 - Prerequisite or Corequisite: 4033 Honors Chemistry
 - This course is a continuation of 4014 AP Biology. Please refer to description above.
 - This course is linked with 4014 AP Biology and must be taken together.
 - Students are expected to take the AP exam in May.
- 4020 Environmental Science** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: Teacher Recommendation
 - Corequisite: Not applicable
 - This is a laboratory-oriented science course designed to provide students the opportunity to learn about their environment. Some topics included for study are: natural cycles, ecosystem structure and function, energy flow and people's relationship with and impact on the natural world. Good reading and math skills required.

4022 Sustainability**Fee: NO**

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- This course is designed to introduce students to the benefits and processes of sustainable practices. The students will learn that economy of any business should consider sustainable practices as part of a viable system that meets the needs of the present without compromising the ability of future generations to do the same. The students will collaborate with local professionals and community leaders to develop sustainable solutions to real life problems in their home, school or community.
- **This is an elective credit course that does not fulfill the third science credit required for graduation.**

4023* AP Environmental Science**Fee: YES**

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: At least a B average in 4010 Biology or 4013 Honors Biology, at least a B average in an additional laboratory science course (for a total of 2 laboratory science courses), and at least a B average in 3030 Integrated Math II or 3033 Honors Integrated Math II, and Teacher Recommendation
- Corequisite: 4030 Chemistry and 4024 AP Environmental Science
- AP Environmental Science is the equivalent of an introductory college course in environmental science. The goal of the course is to provide students with the conceptual foundation necessary to understand complex relationships in the natural world, to develop the skills required to identify and analyze environmental problems and to examine alternate solutions for resolving and/or preventing them. Environmental science is an interdisciplinary study that draws from the biological, physical, chemical and earth sciences, as well as social sciences such as economics, politics and sociology. Critical thinking and problem-solving application are emphasized. Significant focus on field work with a strong writing component and scientific calculations will be required for this course.
- Students are expected to take the AP exam in May.
- This course is linked with 4024 AP Environmental Science and must be taken together.

4024* AP Environmental Science**Fee: YES**

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: At least a B average in 4010 Biology or 4013 Honors Biology, at least a B average in an additional laboratory science course (for a total of 2 laboratory science courses), and at least a B average in 3030 Integrated Math II or 3033 Honors Integrated Math II, and Teacher Recommendation
- Corequisite: 4023 AP Environmental Science
- This course is a continuation of 4023 AP Environmental Science. Please refer to description above.
- This course is linked with 4023 AP Environmental Science and must be taken together.
- Students are expected to take the AP exam in May.

4030 Chemistry**Fee: YES**

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: At least a C average or better in 3030 Integrated Math II or 3033 Honors Integrated Math II, and Teacher Recommendation
- Prerequisite or Corequisite: 3050 Integrated Math III or 3053 Honors Integrated Math III
- This is a laboratory course designed for the college-bound student not planning to pursue a career in a science field. This course covers the generally accepted fundamentals of chemistry with the emphasis placed on mathematical, theoretical and practical applications of chemical science.

- 4033 Honors Chemistry** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: At least a B average or better in 3030 Integrated Math II or 3033 Honors Integrated Math II, and Teacher Recommendation
 - Prerequisite or Corequisite: 3050 Integrated Math III or 3053 Honors Integrated Math III
 - This laboratory course is designed for college bound students interested in a science or math related field. Students planning on taking any of the advanced placement courses should register for this course. Topics include: matter, atomic structures, chemical bonding, chemical reactions and equations, stoichiometry, reaction rates and equilibrium, properties of gases, solutions, and acid-based reactions. Emphasis will be placed on mathematical, theoretical and practical applications of concepts.
- 4034* AP Chemistry** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 3050 Integrated Math III or 3053 Honors Integrated Math III, 4033 Honors Chemistry, and Teacher Recommendation
 - Corequisite: 4035 AP Chemistry
 - This is a rigorous college-level chemistry course, designed for ambitious students who plan to take the advanced placement test. Topics covered are those found in a first year, general college chemistry course such as periodicity, bonding, chemical reactions, gas laws, kinetics, equilibrium, oxidation-reduction, and thermodynamics.
 - Not recommended as a student's first AP class.
 - Students are expected to take the AP exam in May.
 - This course is linked with 4035 AP Chemistry and must be taken together.
- 4035* AP Chemistry** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 3050 Integrated Math III or 3053 Honors Integrated Math III, 4033 Honors Chemistry, and Teacher Recommendation
 - Corequisite: 4034 AP Chemistry
 - This course is a continuation of 4034 AP Chemistry. Please refer to description above.
 - This course is linked with 4034 AP Chemistry and must be taken together.
 - Students are expected to take the AP exam in May.
- 4050 Project Physics** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 3010/3011 Integrated Math I with Enrichment or 3020 Integrated Math I
 - Corequisite: Not applicable
 - Project Physics is a physical science course that explores physics through a series of project units. Each unit will focus on one main topic in physics, the main concepts of that topic and the history behind the topic. Each unit will also involve at least one hands-on project that will help students explore and understand the main concepts. While some basic math will be used, the focus of Project Physics is a conceptual understanding of physics and the roles these ideas play in industry, technology, travel and daily life.
- 4053 Honors Physics** **Fee: YES**
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 3050 Integrated Math III or 3053 Honors Integrated Math III
 - Corequisite: Not applicable
 - This course emphasizes the techniques of problem solving and laboratory investigation. The topics to be covered include: measurement, motion, forces, energy, sound, light and electricity. Theoretical concepts will be related to practical applications. This course is recommended for science and math-oriented students. Strong math skills are needed.

- 4054 AP Physics** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 4053 Honors Physics or Teacher Recommendation
 - Prerequisite/Corequisite: 3061 PreCalculus or 3063 Honors PreCalculus
 - Corequisite: 4055 AP Physics
 - This is a college-level course designed for ambitious students interested in a systematic introduction to the main principles of physics with emphasis on the development of problem solving ability. This course is similar to college courses that provide a foundation in physics for students majoring in the life sciences, pre-medicine and some applied sciences. It is also a foundation in physics for students majoring in physical sciences or engineering. This is an intensive, analytic course with a strong emphasis placed on solving a variety of challenging problems, some requiring calculus (basic calculus will be taught in class).
 - This course is linked with 4055 AP Physics and must be taken together.
 - Students are expected to take the AP Physics 1 or AP Physics C and two exams in May.
- 4055 AP Physics** **Fee: YES**
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: 4053 Honors Physics or Teacher Recommendation
 - Prerequisite/Corequisite: 3061 PreCalculus or 3063 Honors PreCalculus
 - Corequisite: 4054 AP Physics
 - This course is a continuation of 4054 AP Physics. Please refer to description above.
 - This course is linked with 4054 AP Physics and must be taken together.
 - Students are expected to take the AP Physics 1 or AP Physics C and two exams in May.
- 4064 AP Physics C: Mechanics** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 4054/4055 AP Physics 1 (taken in 2017-18)
 - Corequisite: 3070 Honors Calculus or 3073 AP Calculus AB or 3074/3075 AP Calculus BC
 - This is a follow up course to AP Physics 1. It is an intensive, analytic course with a strong emphasis placed on solving a variety of challenging problems, some requiring calculus.
 - Students are expected to take the AP exam in May.
- 4066 Forensic Science** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: At least a C average or better in 4010 Biology or 4013 Honors Biology
 - Corequisite: Not applicable
 - Forensics is the application of scientific methods to those criminal and civil laws that are enforced by police agencies in a criminal justice system. Topics may include fingerprinting, entomology, pattern impressions, blood spatter, DNA, crime scene processing, ballistics, glass fiber and hair analysis, document analysis, anthropology and arson. Material may be in the form of lecture and reading materials, guest speakers, video presentations, field trips and laboratory or field exercises.
- 4070 Honors Anatomy and Physiology** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: 4010 Biology or 4013 Honors Biology, and 4030 Chemistry or 4033 Honors Chemistry
 - Corequisite: Not applicable
 - Anatomy and Physiology is a rigorous course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. Students engage in investigations to understand and explain the behavior of the human body in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real world applications. Laboratory work includes dissection of preserved specimens and microscopic study. This is a college-preparatory course for the student who is self-motivated and wishes to pursue a career in the health professions.

- 4080 Biotechnology I** **Fee: YES**
- Grade Levels: 11
 - Credit: 1.0
 - Prerequisite: At least a C average or better in 3020 Integrated Math I, and 4010 Biology or 4013 Honors Biology
 - Prerequisite or Corequisite: 4030 Chemistry or 4033 Honors Chemistry, and the 3rd of 4 math classes
 - Corequisite: 4081 Biotechnology II
 - Biotechnology is an emerging science which focuses on applying the principles of engineering and technology to the life sciences. The format of the class is discovery-based, with an emphasis on current technology and developments. Students will practice laboratory skills and processes used in this field. Topics to be covered include microbiology, nucleic acids, enzyme kinetics, rDNA, PCR, proteins, immunology and forensics.
 - Students accepted into the Biotechnology program are committed to a two-year program consisting of Biotechnology I, II, III, and IV.
 - Juniors completing the Biotechnology course will continue in a follow-up course during senior year in order to fulfill the required two-year program commitment. Seniors completing the two-year requirement will be eligible for articulated college credit at local colleges and universities.
 - Course enrollment is limited to 22 students. See Admission Process below.
 - Student is required to provide own laptop.
 - This course carries a grade point average weighting equivalent to an Honors course.
 - This course is linked with 4081 Biotechnology II and must be taken together.

- 4081 Biotechnology II** **Fee: YES**
- Grade Levels: 11
 - Credit: 1.0
 - Prerequisite: At least a C average or better in 3020 Integrated Math I, and 4010 Biology or 4013 Honors Biology
 - Prerequisite or Corequisite: 4030 Chemistry or 4033 Honors Chemistry, and the 3rd of 4 math classes
 - Corequisite: 4080 Biotechnology I
 - This course is a continuation of 4080 Biotechnology I. Please refer to description above.
 - Student is required to provide own laptop.
 - This course carries a grade point average weighting equivalent to an Honors course.
 - This course is linked with 4080 Biotechnology I and must be taken together.

- 4082 Biotechnology III** **Fee: YES**
- Grade Levels: 12
 - Credit: 1.0
 - Prerequisite: 4080 Biotechnology I and 4081 Biotechnology II
 - Prerequisite or Corequisite: 4053 Honors Physics and 4th math class recommended
 - Corequisite: 4083 Biotechnology IV
 - This is the second-year class of the Biotechnology Program. Students will complete a capstone project consisting of an in-depth examination of a topic, concept or skill found in biotechnology. The class will involve the honing of lab skills and procedures through the study of additional topics in biotechnology, including environmental biotechnology, bioinformatics, fermentation, plant biotechnology and transformation and recombination of DNA.
 - Seniors completing the two-year program requirement will be eligible for articulated college credit.
 - Student is required to provide own laptop.
 - This course carries a grade point average weighting equivalent to an Honors course.
 - This course is linked with 4083 Biotechnology IV and must be taken together.

- 4083 Biotechnology IV** **Fee: YES**
- Grade Levels: 12
 - Credit: 1.0
 - Prerequisite: 4080 Biotechnology I and 4081 Biotechnology II
 - Prerequisite or Corequisite: 4053 Honors Physics and 4th math class recommended
 - Corequisite: 4082 Biotechnology III
 - This course is a continuation of 4082 Biotechnology III. Please refer to description above.
 - Seniors completing the two-year program requirement will be eligible for articulated college credit..
 - Student is required to provide own laptop.
 - This course carries a grade point average weighting equivalent to an Honors course.
 - This course is linked with 4082 Biotechnology III and must be taken together.

Admission Process for Biotechnology Program

- Students interested in the program should enter 4080 Biotechnology I and 4081 Biotechnology II on their Course Selection Form, placing their name on the list of potential students.
- The following process will be utilized if the number of students requesting the program exceeds 22:
 - All students requesting the program will be required to attend a meeting. The notification of the meeting will occur via the school announcements. This meeting is mandatory. Students not attending the meeting will immediately lose their eligibility to be in the program.
 - Student transcripts will be utilized to determine eligibility for the program.
 - Each student will receive a questionnaire. This questionnaire must be returned by the due date or the student will lose their eligibility to be in the program.
 - All completed questionnaires returned by the due date will be entered into a lottery. Twenty-two questionnaires will be drawn at random by an administrator to determine the population of the class. An additional 5 questionnaires will be drawn and numbered (as to their order) to be used in the event a student declines their admission to the program.
- All students will be notified of their acceptance on or before May 1, 2018.

SOCIAL STUDIES

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
2005	World History	N	9	1.0	AHC
2060	Economics	CP	10, 11, 12	1.0	AHC BLF
2064	AP Macroeconomics	AP	11, 12	1.0	AHC BLF
2070	American History	N	10	1.0	AHC
2074	AP United States History	AP	10	1.0	AHC
2080	Social Psychology	CP	11, 12	1.0	AHC BLF HHS
2084	AP Psychology	AP	11, 12	1.0	AHC BLF HHS
2100	American Government	N	11	1.0	AHC
2174	AP United States Government and Politics	AP	11	1.0	AHC BLF HHS

Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped
 Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

Grade level recommendations serve as a guide only. Circumstances may allow an override.

2005 World History

Fee: NO

- Grade Levels: 9
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- World History is a course that emphasizes world events and movements in the modern era. The course covers the mid-17th century through the present. Topics include the Enlightenment, French Revolution, Industrial Revolution, Imperialism, World War I, Russian Revolution, World War II, Cold War and Globalization, among others. Civic topics (branches of government, democratic processes and principles of free market, mixed and command economies) are also woven into the curriculum.

2060 Economics

Fee: NO

- Grade Levels: 10, 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- This is an introductory level course that concentrates on the principles and practices of microeconomics, macroeconomics and financial literacy. The course uses a management simulation, a weekly guest speaker, the Stock Market Game and other strategies to enhance the overall learning and application of economics.

2064 AP Macroeconomics

Fee: YES

- Grade Levels: 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- This course designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics.
- Students are expected to take the AP exam in May.

- 2070 American History** **Fee: NO**
- Grade Levels: 10
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - This is a survey course of the history of the United States from 1877 to the present. Emphasis will be placed on the historical, geographical, political, social and economic issues in the nation's past and present.
- 2074 AP United States History** **Fee: YES**
- Grade Levels: 10
 - Credit: 1.0
 - Prerequisite: 1913 Honors English 9 and Teacher Recommendation
 - Corequisite: 1013 Honors English 10
 - AP United States History is a course designed to be equivalent to that of an introductory college survey of history course. The students will gain experience in analyzing data, problem solving and gathering research, as well as writing essays and research papers.
 - Students are expected to take the AP exam in May.
- 2080 Social Psychology** **Fee: NO**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - This course is designed to give comprehensive knowledge of terms and concepts of various areas of psychology while incorporating the main concepts of sociology. This will enable the student to develop an awareness of self and their role in society. Recommended for the college-bound students.
- 2084 AP Psychology** **Fee: YES**
- Grade Levels: 11, 12
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior and social psychology.
 - Students are expected to take the AP exam in May.
- 2100 American Government** **Fee: NO**
- Grade Levels: 11
 - Credit: 1.0
 - Prerequisite: Not applicable
 - Corequisite: Not applicable
 - This course is a survey of the principles, processes and people within our government at the national, state and local levels.
- 2174 AP United States Government and Politics** **Fee: YES**
- Grade Levels: 11,
 - Credit: 1.0
 - Prerequisite: 1013 Honors English 10, recommended 2074 AP United States History, and Teacher Recommendation
 - Corequisite: 1113 Honors English 11
 - This course is a comprehensive and systematic study of U.S. government and politics. Students are required to learn facts, concepts and the political processes which embody our system of government. Students are challenged to use specific data/information to critically evaluate general propositions about government and politics as it exists in the United States. The course of study focuses on studying the institutions and personalities of government through analytical reading and writing.
 - Students are expected to take the AP exam in May.

LOVELAND TEACHING PROFESSIONS ACADEMY

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
7610	Child and Adolescent Development	N	11, 12	1.0	AHC HHS
7620	Classroom Management	N	11, 12	1.0	AHC HHS
7630	Curriculum and Instruction for Teaching Professions	N	11, 12	1.0	AHC HHS
7640*	Education Principles	N	12	1.0	AHC HHS
7650*	Education and Training Capstone	N	12	1.0	AHC HHS

Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped
 Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math

***This course is linked with another course that must also be selected. See corequisite information below.**

Teaching Professions Academy is Ohio's career pathway program for high school students who are interested in higher education and a teaching career. Postsecondary majors for which this pathway prepares students include: Early and Middle Childhood Studies, Early Childhood Education, Middle Childhood Education, Special Education, Technical Education and Training, Human Development and Family Science, Social Work, Elementary Education Administration, Psychology, and Counselor Education. Enrollment is limited.

- Two-year commitment is expected.
- All five courses must be completed by the end of senior year, with 7640 and 7650 Education Principles during senior year. At least two of the three remaining courses should be completed during junior year.

Course	Year Taken	Notes
7610	Junior or senior	Must be completed by end of senior year
7620	Junior or senior	Must be completed by end of senior year
7630	Junior or senior	Must be completed by end of senior year
7640	Senior	None
7650	Senior	None

7610 Child and Adolescent Development

Fee: YES

- Grade Level: 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- Students will examine and apply the theoretical foundations of human growth and development to child and adolescents. Additionally, learners will determine children's learning styles; stages of social, emotional, cognitive and physical development; and needed accommodations in educational settings. Throughout the course, family and community engagement, cultural influences on learners and language growth and development will be emphasized.

7620 Classroom Management**Fee: YES**

- Grade Level: 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- Students will apply developmentally appropriate techniques to advance learners' social and emotional growth. They will create classroom environments to maximize the learning potential of each learner. Additionally, learners will create and enforce classroom rules, establish classroom routines and model self-discipline for learners. Conflict resolution, positive discipline and behavioral-modification techniques will be emphasized throughout the course.

7630 Curriculum and Instruction for Teaching Professions**Fee: YES**

- Grade Level: 11, 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- Students will develop age-appropriate learning experiences and curriculum to engage children and help them learn. They will determine curricular goals, create lesson plans, and employ grading and assessment strategies to measure targeted learning outcomes. In addition, students will develop online instruction using learning management system platforms.

7640 Education Principles**Fee: YES**

- Grade Level: 12
- Credit: 1.0
- Prerequisite: Teacher Recommendation
- Corequisite: 7650 Education Training and Capstone
- Students will research the historical perspectives and theories of education used in the forming of their own personal educational philosophy. Students will assess legal and ethical and organizational issues. Additionally, students will assess developmentally appropriate practices and identify challenging issues associated with teaching children with diverse needs. Career planning, professional guidelines and ethical practices will also be emphasized.
- This course is eligible for college credit from the University of Cincinnati through the College Credit Plus (CCP) program. It is equivalent to the Introduction to Education course offered at the University of Cincinnati. Students must apply and be accepted to the University of Cincinnati CCP program in order to earn college credit.
- This course is linked with 7650 Education Training and Capstone and must be taken together.

7650 Education Training and Capstone**Fee: YES**

- Grade Level: 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: 7640 Education Principles
- Students apply education and training program knowledge and skills in a more comprehensive and authentic way. Capstones are project-based and problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others.
- Students will be required to complete at least 120 hours of field experience. These hours will be scheduled by Loveland High School at the primary, elementary and middle school buildings.
- This course is linked with 7640 Education Principles and must be taken together. Refer to description above for details.

WORK AND FAMILY LIFE

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
7010	Life Skills	N	10	1.0	BLF HHS
7020	Creative Living	N	12	1.0	BLF HHS
Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math					

Grade level recommendations serve as a guide only. Circumstances may arise to override a grade level requirement. Enrollment is limited. If student requests exceed the enrollment limit, a lottery system will determine students admitted to the class..

7010 Life Skills

Fee: YES

- Grade Levels: 10
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- This course is designed to help students manage their resources to meet their goals, both short term and long term. Topics include decision-making, conflict/communication skills, basic personal finance, food and nutrition and the completion of sewing an apron and pajama pants. This fabric is purchased by the student and typically costs \$15.00 to \$20.00, in addition to the above fee.

7020 Creative Living

Fee: YES

- Grade Levels: 12
- Credit: 1.0
- Prerequisite: Not applicable
- Corequisite: Not applicable
- This course is designed to prepare students for adult life by taking a look at cooking, financial management and marriage/family life. The foods portion of the course will include topics such as gourmet cooking, entertaining and etiquette, international cooking and the science of foods. The financial management portion will prepare students for a career search, banking and investments, responsible credit use and buying a car and home. The marriage and family portion will prepare students for dating and marriage relationships, as well as parenting.

WORLD LANGUAGE

Code	Title	Ability Level	Eligible Grade Levels	Credit	Pathway(s)
5010	Spanish I	CP	9, 10, 11, 12	1.0	AHC BLF HHS STEM
5020	Spanish II	CP	9, 10, 11, 12	1.0	AHC BLF HHS STEM
5030	Spanish III	CP	9, 10, 11, 12	1.0	AHC BLF HHS
5040	Honors Spanish IV	H	10, 11, 12	1.0	AHC BLF HHS
5050	Honors Spanish V	H	10, 11, 12	1.0	AHC BLF HHS
5054	AP Spanish Language and Culture	AP	11, 12	1.0	AHC BLF HHS
5110	French I	CP	9, 10, 11, 12	1.0	AHC BLF HHS STEM
5120	French II	CP	9, 10, 11, 12	1.0	AHC BLF HHS STEM
5130	French III	CP	9, 10, 11, 12	1.0	AHC BLF HHS
5140	Honors French IV	H	10, 11, 12	1.0	AHC BLF HHS
5150	Honors French V	H	10, 11, 12	1.0	AHC BLF HHS
5154	AP French Language and Culture	AP	11, 12	1.0	AHC BLF HHS
5210	German I	CP	9, 10, 11, 12	1.0	AHC BLF HHS STEM
5220	German II	CP	9, 10, 11, 12	1.0	AHC BLF HHS STEM
5230	German III	CP	9, 10, 11, 12	1.0	AHC BLF HHS
5240	Honors German IV	H	10, 11, 12	1.0	AHC BLF HHS
Ability Level: AP = Advanced Placement, CP = College Prep, H = Honors, N = Not Grouped Pathways: AHC = Arts, Humanities, and Communication BLF = Business, Law, and Finance HHS = Health and Human Services STEM = Science, Technology, Engineering, and Math					

It is strongly recommended that students take as many levels as possible in the same language. Course work focuses on developing the four skill areas: listening, speaking, reading and writing. The cumulative three to five year sequence also emphasizes geography, history, literature and cultural awareness.

There may be a \$10 to \$35 workbook fee depending on the language and the level of the class.

5010 Spanish I

Fee: YES

5110 French I

5210 German I

- Grade Levels: 9, 10, 11, 12
- Credit:1.0
- Prerequisite: Teacher Recommendation
- Corequisite: Not applicable
- Level I is an introduction to the target language, designed to give the student a working knowledge of basic vocabulary and grammar with some introductory level conversation and exposure to culture, geography and history.

- 5020 Spanish II** **Fee: YES**
5120 French II
5220 German II
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: At least a C or better in Level I language and Teacher Recommendation
 - Corequisite: Not applicable
 - The focus of this course is on vocabulary acquisition and more intensive grammar study. There will be some writing, a growing emphasis on application (oral and written), reading comprehension and some history.

- 5030 Spanish III** **Fee: YES**
5130 French III
5230 German III
- Grade Levels: 9, 10, 11, 12
 - Credit: 1.0
 - Prerequisite: At least a C or better in Level II language and Teacher Recommendation
 - Corequisite: Not applicable
 - The course includes all of the above, plus intensive reading, short essay writing, conversation (guided and impromptu), films, literature, news media, etc. Class is conducted almost entirely in the target language with an increased emphasis on the practical application of the language skills.
 - The upper-level courses are designed for the student who has a serious interest in pursuing the study of the language. A student enrolling in this course should have demonstrated at previous levels BOTH the ability and the work ethic to do upper level work.

- 5040 Honors Spanish IV** **Fee: YES**
5140 Honors French IV
5240 Honors German IV
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: At least a C or better in Level III language and Teacher Recommendation
 - Corequisite: Not applicable
 - This course is a continuation and reinforcement of skills acquired in Level III. There is an increased emphasis on the practical application of the language. Class is conducted primarily in the target language and students are expected to engage in using the target language throughout each class period. This course will also include elements of AP preparation.
 - The upper-level courses are designed for the student who has a serious interest in pursuing the study of the language. A student enrolling in this course should have demonstrated at previous levels BOTH the ability and the work ethic to do upper level work.

- 5050 Honors Spanish V** **Fee: YES**
5150 Honors French V
- Grade Levels: 10, 11, 12
 - Credit: 1.0
 - Prerequisite: At least a B or better in Level IV language and Teacher Recommendation
 - Corequisite: Not applicable
 - The fifth level is designed to complement Spanish/French IV and to provide continued study for advanced students in conversation, composition, literature and the arts. Successful students will have a solid foundation for future university level study. This is a prerequisite to the AP Spanish/French Language and Culture.
 - The upper-level courses are designed for the student who has a serious interest in pursuing the study of the language. A student enrolling in this course should have demonstrated at previous levels BOTH the ability and the work ethic to do upper level work.

5054 AP Spanish Language and Culture

Fee: YES

5154 AP French Language and Culture

- Grade Levels: 11, 12
- Credit: 1.0
- Prerequisite: At least a B or better in Level V language and Teacher Recommendation
- Corequisite: Not applicable
- This is a rigorous college-level language course designed for the ambitious student who plans to take the advanced placement exam. The course is intended to develop proficiency and integrate language skills, using authentic materials and sources. Topics and student expectations are that of the first two years of a college language program. There will be an increased expectation for students to speak and write in the target language at an advanced level. Class is conducted in the target language and students are expected to engage in using the language throughout each class period.
- The upper-level courses are designed for the student who has a serious interest in pursuing the study of the language. A student enrolling in this course should have demonstrated at previous levels BOTH the ability and the work ethic to do upper-level work.
- Must be taken in the semester immediately following Level V.
- Students are expected to take the AP exam in May.

PART III: GREAT OAKS INSTITUTE OF CAREER AND TECHNOLOGY DEVELOPMENT

Great Oaks is one of the largest career technical school districts in the United States and serves as the Career and Technical Education Department for 36 affiliated school districts in southwest Ohio. Great Oaks provides the following services for youth: technical foundations courses in many affiliated schools; workforce development programs in business and marketing in several affiliated schools; career and technical programs at four campuses. Students attend a Great Oaks campus during their junior and senior years. Most Loveland students attend either Live or Scarlet Oaks.

Students have access to more than 35 different career majors that prepare them to continue their education or go directly into entry-level positions in hundreds of occupational fields. The career majors are organized in the following career pathways:

- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Arts, Audio/Video Technology and Digital TV
- Education and Training
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections and Security
- Manufacturing
- Transportation, Distribution and Logistics

Students choose a career major from one of these pathways and the curriculum for each, including the academic subjects, is designed to meet Ohio Department of Education standards, affiliated high school graduation requirements and the demands of local business and industry.

Great Oaks students spend 2 ½ hours in their career major laboratories with lab instructors who have spent time working in the field. Students spend the remainder of the day completing academic coursework. For the latest information, refer to greatoaks.com.

- **English** course offerings include:
 - English 11
 - English 12
 - College Credit Plus
- **Math** course offerings include:
 - Geometry
 - Algebra II
 - Applied Technical Math
 - Pre-Calculus
 - Calculus
 - Financial Algebra
 - Probability and Statistics\
 - Computer Science Principles
 - College Credit Plus

- **Science** course offerings include:
 - Advanced Biology
 - Anatomy and Physiology
 - Biochemistry
 - Chemistry
 - Environmental Science
 - Physics
 - College Credit Plus
- **Social Studies** course offerings include:
 - American History
 - Government and Financial Literacy
 - Economics/Sociology
 - College Credit Plus

Students are encouraged to continue to participate in sports and other extracurricular activities at their home schools. They will also have the opportunity to participate in leadership activities at the career campus through: Career-Technical Student Organizations, Student Council, Junior ROTC and National Technical Honor Society. Loveland provides complete bus transportation to and from the Oaks' locations.

Great Oaks graduates will be both career-ready and college-ready, and about half of the graduates go directly to college. Further education is encouraged through scholarship opportunities through Great Oaks, the Ohio Board of Regents Scholarship and several postsecondary and community agencies.

Interested students are encouraged to apply early (application review begins in early February of the sophomore year) as programs fill quickly. For information and application, go to www.greatoaks.com.

PART IV: NON-TRADITIONAL LEARNING OPPORTUNITIES

Students have the opportunity to obtain high school credit (and possibly college credit) through the following non-traditional options. Students considering these options should be extremely self-motivated and capable of working independently. There may be implications concerning athletic eligibility based on NCAA and OHSAA regulations. Some options below are not credit-earning. Please meet with your school counselor for details on all programs.

Non-Traditional Learning Opportunities

Credit Flexibility

College Credit Plus

LCSD Ambassador

Student Athletic Innovator

Student Aide

Early Credit Completion

NON-TRADITIONAL LEARNING OPPORTUNITIES

Program	Description	Grade Levels Eligible	Credit Type	Weighted High School Credit	Location Offered	Cost to Student	Application Required	Deadline to Apply
Credit Flexibility*	Students customize their learning based on their needs and interests	9-12	High School	No	Varies by course	Varies by course	YES	Fall course: May 1 Spring course: December 1
Credit Flexibility*: Test Out Option	Students demonstrate mastery of course by passing a comprehensive exam	9-12	High School	No	High School	None	YES	March 1
College Credit Plus* Option 1	Students earn high school and college credit by taking classes at a local college/university	9-12	High School and College	Varies by course	Local College or University	No cost unless student does not complete or pass class	YES	Notify counselor by April 1 plus specific deadlines for each college
College Credit Plus* Option 2	Students earn high school and college credit by taking a college level course at LHS (prerequisites may apply)	Varies by course	High School and College	Varies by course	Varies by course: LHS or online with a university	Varies by course	YES	Varies by course but notify counselor by April 1
APEX Learning: World Language	Online courses: Latin I, II Mandarin Chinese I, II	10-12	High School	No	Online: LHS if schedule allows or from home	Only if course not completed	YES	May 1
APEX Learning: Credit Recovery	Online courses available for credit recovery in all academic areas	10-12	High School	No	Online: LHS if schedule allows or from home	None except Summer School (Additional Cost)	NO	Not applicable
LCSD Ambassador*	Seniors work assisting students and/or teachers in buildings throughout the district	12	High School (Pass/Fail)	No	LECC, LPS, LES, LIS, LMS	None	YES	Due at time of scheduling
Student Athletic Innovator*	Continuing and developing new ideas for innovation in the Athletic Department	11-12	High School (Pass/Fail)	No	High School	None	YES	April 1
Student Aide*	Seniors work assisting individual teachers	12	None	Not applicable	High School	None	YES	Due at time of scheduling
Early Graduation*	Seniors who have fulfilled all graduation requirements by the end of 1 st semester are eligible to graduate at that time	12	None	Not applicable	Not applicable	None	YES	September 1

*Additional information provided on following page(s)

CREDIT FLEXIBILITY

Students can earn units of high school credit based on an individually approved credit flexibility plan. Credit Flexibility (Senate Bill 311, Ohio Core legislation) shifts the focus from seat time to performance. The intent of credit flexibility is to meet increased expectations for high school graduation and response to globalization, technology and demographics and to meet the demand for 21st century skills.

- Students can earn high school credit by:
 - completing coursework
 - showing mastery of course content
 - pursuing an educational option and/or an individually approved option
 - any combination of the above
- Interested students must meet with his/her counselor to submit an application.
- Students are responsible for all costs incurred with any flexible learning option.
- Credit earned through credit flexibility may not be weighted credit.

COLLEGE CREDIT PLUS

College Credit Plus (CCP) is Ohio's dual enrollment program that allows students to take available courses for transcribed credit for both high school and college. Rules established by the Ohio Department of Higher Education provide the guidelines and specify procedures necessary to implement the program. Specific rules and requirements are available through the Office of School Counseling.

- There is no cost for the student to participate in CCP when the student is enrolled in a public college or university.
- The program is intended to provide expanded opportunities for appropriately qualified high school students to experience course work at the college or university level.
- The student must meet special admission criteria set by the individual college or university.
- Some universities now require an ACT/SAT score to be submitted, with admission based upon earning minimum scores. Some universities require a placement test as a component of the application. For detailed information, refer to the specific university website.
- The student will be expected and required to perform at the same level as the institution's college students.
- College courses should either contribute to or supplement the broader academic preparation needed by high school students.
- Credit for highly specialized content college courses generally should not substitute for important broader content college preparatory courses offered by the high school.
- Students must complete an Intent to Participate form and submit to their school counselor no later than April 1, 2018 in order to be considered for eligibility for the 2018-19 school year.
- It is imperative that the student, as well as the parent, clearly understands the implications of this option. Therefore, as mandated under this option, students and parents must attend a counseling session where the potential risks and consequences of participation will be explained. Parents will be required to sign a form stating they understand and accept the policies and implications of their student's participation in the CCP program.
- Interested students and parents should contact their school counselor for additional information.

COLLEGE CREDIT PLUS (CCP) SAMPLE PATHWAYS

The following table provides two sample credit bearing pathways provided to by the University of Cincinnati. These courses may be offered at any of the UC campuses, including Main (Uptown), Clermont, and Blue Ash. Students cannot take more than 30 credits in a given school year based upon the number of classes taken at the LHS.

Liberal Arts (BA) 15 Credit Hour Pathway	Course	College Credit Hours
Biology I	BIOL1081	3
Biology I Lab	BIOL108L	1
Introduction to Microeconomics	ECON1001	3
English Composition	ENGL1001	3
US History I	HIST1001	3
College Algebra	MATH1021	3
	Total	16
Liberal Arts (BA) 30 Credit Hour Pathway	Course	College Credit Hours
Biology I	BIOL1081	3
Biology I Lab	BIOL108L	1
Introduction to Microeconomics	ECON1001	3
English Composition	ENGL1001	3
US History I	HIST1001	3
College Algebra	MATH1021	3
Introduction to American Politics	POL1010	3
Basic Spanish II	SPAN1002	5
Spanish Composition and Conversation I	SPAN2015	3
Spanish Composition and Conversation II	SPAN2016	3
	Total	30

LCSD AMBASSADOR

This program allows senior students to travel to other Loveland City School buildings during the school day to assist teachers and staff.

- Responsibilities may include mentoring, one-on-one or small group tutoring, tech support, teacher aiding and more.
- This program is particularly ideal for seniors interested in a career in education or working with children.
- Enrollment is based upon requests and the needs of other buildings, as well as student interests.
- Acceptance into this program is not guaranteed until all placements can be confirmed.
- Credit earned is pass/fail.

STUDENT ATHLETIC INNOVATOR

This course is a unique hands-on opportunity to work alongside the Loveland Athletic Department. Students will be challenged with multiple ongoing tasks at both the building and community level. Requirements include communication skills, accountability, and basic computer applications.

- Student Athletic Innovators will be challenged to:
 - Use Google Applications
 - Complete and maintain several running projects for the Athletic Department
 - Design, implement, and evaluate ideas and concepts
- The application process begins spring with **teacher recommendations** and **formal interviews**.

STUDENT AIDE

Senior students may choose to assist an LHS teacher during the school day. This is arranged by the student with the teacher.

- Student aides are available on a limited basis.
- Only seniors are permitted to be aides.
- The application should be obtained by the teacher from the Office of School Counseling.
- Students may aide for one term per year only. Any exceptions to this policy must be approved by the principal.
- Participation may impact college admission and athletic eligibility.
- Students may not serve as an Ambassador and an Aide in the same semester.

EARLY GRADUATION

Students who have completed all graduation requirements of Loveland City School District may be eligible to graduate prior to anticipated graduation date.

- Students who elect early graduation may not participate in any athletic activities due to OHSAA regulations, nor can they participate in other activities without the permission of the principal. Students may attend Prom and participate in graduation activities.
- Participation may impact college admission and athletic eligibility.

PART V: COURSE SELECTION PLANNING TOOLS

LHS Graduation Requirements

Honors Diploma Criteria

Four Year Planners

Four Year Credit Record

Sample Forms:

Freshmen Course Selection Form

Sophomore Course Selection Form

Junior Course Selection Form

Senior Course Selection Form

LHS GRADUATION REQUIREMENTS

Minimum Graduation Requirements

Course	Units Required
English	4
Mathematics	4
Science (Must include Biology and a Physical Science)	3
Social Studies (American History, Government, and World History*) <small>*Class of 2021 and beyond</small>	3
Health	.5
Physical Education	.5
Electives	11
Other: Fine Arts (may be taken in Middle School but no high school credit will be awarded) Financial Literacy* <small>*Class of 2021 and beyond</small>	
TOTAL	26

Great Oaks Career and Tech Prep Program

Course	Units Required
English	4
Mathematics	4
Science (Must include Biology and a Physical Science)	3
Social Studies (American History, Government, and World History*) <small>*Class of 2021 and beyond</small>	3
Health	.5
Physical Education	.5
Electives (includes Career Tech Lab)	6
Other: Fine Arts (may be taken in Middle School but no high school credit will be awarded) Financial Literacy* <small>*Class of 2021 and beyond</small>	
TOTAL	21

College Preparatory Program

Course	Units Required
English (including English 12 or AP English)	4
Mathematics (at least one unit to be taken during the Senior year and must include Int Math III/Algebra II and beyond)	4
Science (Must include Biology and a Physical Science)	3
American History	1
American Government	1
World History	1
Foreign Language (both credits need to be in same language)	2
Fine/Performing Arts	1
Health	.5
Physical Education	.5
Electives (to include Financial Literacy for Class of 2021 and beyond)	8
TOTAL	26

HONORS DIPLOMA CRITERIA

Students must meet all but one of the criteria to qualify for an Honors Diploma.

Criterion	Academic Honors	Career Tech Honors	STEM Honors	Arts Honors	Social Science & Civic Engagement
English	4 units	4 units	4 units	4 units	4 units
Math	4 units to include Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units to include Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	5 units to include Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units to include Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units to include Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content
Science	4 units, including two units of advanced science (inquiry-based with lab experiences and align with 11th/12th grade standards or above, or with an AP science course, or with an entry-level college course such as anatomy, botany, or astronomy	4 units, including two units of advanced science (inquiry-based with lab experiences and align with 11th/12th grade standards or above, or with an AP science course, or with an entry-level college course such as anatomy, botany, or astronomy	5 units, including two units of advanced science (inquiry-based with lab experiences and align with 11th/12th grade standards or above, or with an AP science course, or with an entry-level college course such as anatomy, botany, or astronomy	3 units, including one unit of advanced science (inquiry-based with lab experiences and align with 11th/12th grade standards or above, or with an AP science course, or with an entry-level college course such as anatomy, botany, or astronomy	3 units, including one unit of advanced science (inquiry-based with lab experiences and align with 11th/12th grade standards or above, or with an AP science course, or with an entry-level college course such as anatomy, botany, or astronomy
Social Studies	4 units	4 units	3 units	3 units	5 units
World Languages	3 units of one world language, or no less than 2 units of two world languages	2 units of one world language	3 units of one world language, or no less than 2 units of two world languages	3 units of one world language, or no less than 2 units of two world languages	3 units of one world language, or no less than 2 units of two world languages
Fine Arts	1 unit	Not applicable	1 unit	4 units	1 unit
Electives	Not applicable	4 units of Career-Technical minimum	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus in social sciences and/or civics

Criterion cont.	Academic Honors cont.	Career Tech Honors cont.	STEM Honors cont.	Arts Honors cont.	Social Science & Civic Engagement cont.
GPA	3.5 or above	3.5 or above	3.5 or above	3.5 or above	3.5 or above
ACT SAT WorkKeys	27 ACT or 1280 SAT (based on 2016 ACT and SAT)	27 ACT or 1280 SAT (based on 2016 ACT and SAT) or WorkKeys (6 Reading & 6 Math) 7	27 ACT or 1280 SAT (based on 2016 ACT and SAT)	27 ACT or 1280 SAT (based on 2016 ACT and SAT)	27 ACT or 1280 SAT (based on 2016 ACT and SAT)
Field Experience	Not applicable	Complete a field experience and document it in a portfolio specific to the student's area of focus	Complete a field experience and document it in a portfolio specific to the student's area of focus	Complete a field experience and document it in a portfolio specific to the student's area of focus	Complete a field experience and document it in a portfolio specific to the student's area of focus
Portfolio	Not applicable	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts
Additional Assessment	Not applicable	Earn an industry credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent	Not applicable	Not applicable	Not applicable

FOUR YEAR PLAN – Class of 2019

Please complete your Four Year Plan using the Course Selection Guide. This plan is designed to be a rough draft of your high school career. Changes to the plan each year are very common as your interests and academic achievements progress. Refer to the Course Selection Guide for detailed graduation requirements.

	Grade 9 Courses	Credit
1	English 9	1
2	Math	1
3	Science	1
4	World History	1
5	PE 9/Comm Tech (or elective if waived)	.25 / .5
6		
7		
8		
	Total Credits	

	Grade 10 Courses	Credit
1	English 10	1
2	Math	1
3	Science	1
4	American History	1
5	PE 2/Health (or elective if waived)	.25 / .5
6		
7		
8		
	Total Credits	

	Grade 11 Courses	Credit
1	English 11	1
2	Math	1
3	Science	1
4	American Government	1
5		
6		
7		
8		
	Total Credits	

	Grade 12 Courses	Credit
1	English 12	1
2	Math	1
3		
4		
5		
6		
7		
8		
	Total Credits	

FOUR YEAR PLAN – Class of 2020

Please complete your Four Year Plan using the Course Selection Guide. This plan is designed to be a rough draft of your high school career. Changes to the plan each year are very common as your interests and academic achievements progress. Refer to the Course Selection Guide for detailed graduation requirements.

	Grade 9 Courses	Credit
1	English 9	1
2	Math	1
3	Science	1
4	World History	1
5	PE/Health (or elective if waived)	.25 / .5
6		
7		
8		
	Total Credits	

	Grade 10 Courses	Credit
1	English 10	1
2	Math	1
3	Science	1
4	American History	1
5	PE1/PE2 (or elective if waived)	.25 / .5
6		
7		
8		
	Total Credits	

	Grade 11 Courses	Credit
1	English 11	1
2	Math	1
3	Science	1
4	American Government	1
5		
6		
7		
8		
	Total Credits	

	Grade 12 Courses	Credit
1	English 12	1
2	Math	1
3		
4		
5		
6		
7		
8		
	Total Credits	

FOUR YEAR PLAN – Class of 2021 and beyond

Please complete your Four Year Plan using the Course Selection Guide. This plan is designed to be a rough draft of your high school career. Changes to the plan each year are very common as your interests and academic achievements progress. In addition to the courses below, students must take Financial Literacy*, Economics or AP Macroeconomics at some point during grades 10-12. Refer to the Course Selection Guide for detailed graduation requirements.

*available in 2019-2020

	Grade 9 Courses	Credit
1	English 9	1
2	Math	1
3	Science	1
4	World History	1
5	PE/Health (or elective if waived)	.25 / .5
6		
7		
8		
	Total Credits	

	Grade 10 Courses	Credit
1	English 10	1
2	Math	1
3	Science	1
4	American History	1
5	PE1/PE2 (or elective if waived)	.25 / .5
6		
7		
8		
	Total Credits	

	Grade 11 Courses	Credit
1	English 11	1
2	Math	1
3	Science	1
4	American Government	1
5		
6		
7		
8		
	Total Credits	

	Grade 12 Courses	Credit
1	English 12	1
2	Math	1
3		
4		
5		
6		
7		
8		
	Total Credits	

FOUR YEAR CREDIT RECORD

Please refer to the Course Selection Guide for detailed graduation requirements.

Course	Credits Required	Year Completed			
		9	10	11	12
English	4				
Math (must include 1 credit of Int Math III/Alg II)	4				
Science Biology A Physical Science Other	1 1 1				
Social Studies American History American Government Other*	1 1 1				
Health	0.5				
Physical Education	0.5				
Electives	11				
Fine Arts**	See below**				
Economics and Financial Literacy***	See below***				

*Beginning with the Class of 2021, students must earn a credit in World History

**Fine Arts graduation requirement may be met by taking a Fine Arts class in Middle School but will not be awarded high school credit

***For the classes of 2019 and 2020, the graduation requirements of Economics and Financial Literacy will be met by completing the currently required Social Studies courses. No additional courses are necessary. For the Classes of 2021 and beyond, students are required to take Financial Literacy (available 2019-2020), Economics or AP Macroeconomics.

Name: (Please print) _____

FRESHMEN Class of 2022

Student Preferred Email Address (please print clearly): _____

All 9th grade students must take: English, Math, Science, World History, and PE/Health (unless waived). Placement in English, Math and Science is dependent upon teacher recommendation. Topics or courses below with an asterisk (*) require a teacher recommendation. If there is a discrepancy with the recommendation, parents may appeal using a Course Placement Override Form (available from Mrs. Shafer). Please remember that recommendations are made with the desire to challenge the student while placing them at a level most appropriate for their ability and work ethic. World History and PE/Health are taught at the same level and do not require a teacher recommendation.

Fill in the course name and number for your choices. Consult the Course Selection Guide for prerequisites and corequisites. There are no study halls. Select courses that you are sure you wish to take. Once a class begins, you will not be allowed to drop because you do not like the teacher or class. You must list three alternate courses.

Required Courses	Course Choices	Course Number	Course Name	Teacher Signature (signature indicates course is recommended by teacher)
English 9* Choose one option	1910/1911 English 9 with Enrichment (must choose both - list 1911 below as an elective) 1912 English 9 1913 Honors English 9			
Math* Choose one option	3010/3011 Algebra I with Enrichment (must choose both - list 3011 below as an elective) 3020 Algebra I 3033M Honors Integrated Math II - must have taken Integrated Math I in Middle School			
Science* Choose one option	4010 Biology 4013 Honors Biology			
World History	2005 World History	2005	World History	Not required
PE/Health OR Elective (if waiving PE)	9901 PE 1 and 9910 Health (must choose both but only count as one class) 9900 PE Waiver - must qualify and submit PE Waiver/Substitution Form - see Course Selection Guide for details - if waiving PE, choose another class and list to the right - Health is a required class for graduation and will be taken online during 10 th grade.			PE/Health - No signature required ----- Signature for elective (if required):
Elective	See choices on back			
Elective	See choices on back			
Elective	See choices on back			
Alternates:	List 3 choices below in order of preference			
Alternate 1				
Alternate 2				
Alternate 3				

FOR REFERENCE ONLY

Please consult your Course Selection Guide for descriptions of each class. For questions regarding teacher recommendations, contact LMS School Counselor Mrs. Kim Shafer at shaferki@lovelandschools.org. For questions regarding high school courses, contact the appropriate high school counselor. Students are assigned by last name.

A - D	Jamie Gordon	gordonja@lovelandschools.org	513-697-3720
E - K	Drews Mitchell	mitchedr@lovelandschools.org	513-697-3718
L - R	Jamie Hamilton**	hamiltja@lovelandschools.org	513-697-3721
S - Z	Amy Mason	masonam@lovelandschools.org	513-697-3719

**also works with 9th grade students who have an IEP

ELECTIVE CHOICES

*indicates teacher recommendation required

APPLIED TECHNOLOGY & BUSINESS EDUCATION

3700 Computer Programming I
3720 Fundamentals of Web Design I
6010 Computer Applications

ART

8000 Art I
8060 Graphic Arts

MATHEMATICS

In addition to your required math class, you may be approved to take another math class in place of an elective class.

3030 Geometry* - must also take 3020 Algebra I*
3053 Honors Integrated Math III*

MUSIC

8909 Concert Band
8910 Symphonic Band
8930 Allure Women's Ensemble*
8931 Chorale*
8974 Vocal Ensemble*
8935 By Request Show Choir*
8970 String Orchestra*
8971 Chamber Orchestra*
8920 Jazz Lab Band*
8921 Jazz Orchestra*

By Request Show Choir, Allure Women's Ensemble, Jazz Lab Band, Jazz Orchestra, Wind Symphony, and Chamber Orchestra are by audition only. If you are auditioning, list it as an elective choice. You must choose an alternate elective that will be substituted in the event you are not selected.

PROJECT LEAD THE WAY ENGINEERING PROGRAM

7510 Introduction to Engineering Design

SCIENCE

In addition to your required science class, you may be approved to take another science class in place of an elective class. Carefully check prerequisites listed in the course descriptions in the Course Selection Guide.

4000 Physical Science* – must also take 3030 Geometry
4011 Fundamentals of Microbiology*
4020 Environmental Science*
4050 Project Physics*
4053 Honors Physics*

WORLD LANGUAGE

Students are strongly encouraged to take levels I and II in the same year.

5010 Spanish I*
5020 Spanish II*
5021 Spanish II* – if taking Spanish I in 7th/8th grade
5030 Spanish III*
5110 French I*
5120 French II*
5121 French II* - if taking French I in 7th/8th grade
5130 French III*
5210 German I*
5220 German II*
5230 German III*

Name: (Please print) _____

SOPHOMORE Class of 2021

Student Preferred Email Address (please print clearly): _____

COURSE SELECTION GUIDE IS AVAILABLE ONLINE AT WWW.LOVELANDSCHOOLS.ORG. GO TO HIGH SCHOOL, OFFICE OF SCHOOL COUNSELING, ACADEMIC ADVISING, COURSE PLANNING RESOURCES.

All 10th grade students must take: English, Math, Science, American History, and PE 2 (unless waived). Placement in English, Math and Science is dependent upon teacher recommendation. Topics or courses below with an asterisk (*) require a teacher signature. If there is a discrepancy with the recommendation, parents may appeal using a Course Placement Override Form (available in the Office of School Counseling). Please remember that recommendations are made with the desire to challenge the student while placing them at a level most appropriate for their ability and work ethic.

Fill in the course name and number for your choices. Consult the Course Selection Guide for prerequisites and corequisites. There are no study halls. Select courses that you are sure you wish to take. Once a class begins, you will not be allowed to drop because you do not like the teacher or class. You must list three alternate courses.

If you plan on taking a Credit Flexibility course or are interested in College Credit Plus courses (deadline to notify is March 31), please see your counselor.

Required Courses	Course Choices	Course Number	Course Name	Teacher Signature
English 10 * Choose one option	1010/1011 English 10 with Enrichment (must choose both - list 1011 below as an elective) 1012 English 10 1013 Honors English 10			
Math * Choose at least one option. If you choose to take two math classes, one must be recorded below as an elective choice	3030M Integrated Math II 3033M Honors Integrated Math II 3031/3032 Integrated Math II with Enrichment (must choose both - list 3032 below as an elective) 3050 Integrated Math III 3053 Honors Integrated Math III 3063 Honors Precalculus 3040 Probability and Statistics 3044 AP Statistics			
Science * Choose one option	4000 Physical Science 4030 Chemistry - see prerequisites/corequisites 4033 Honors Chemistry - see prerequisites/corequisites			
American History Choose one option	2070 American History 2074 AP United States History*			
Physical Education	9902 Fitness and 9903 Sport (must choose both but only count as one class) 9900 PE Waiver - must qualify - see Course Selection Guide for details - if waiving PE, choose another class and list to the right - Online Health will be added to your schedule and must be completed outside of the school day			PE - Not required ----- Signature for elective (if required)
Elective	See choices on back			
Elective	See choices on back			
Elective	See choices on back			
Alternates:	List 3 choices in order of preference			
Alternate 1				
Alternate 2				
Alternate 3				

FOR REFERENCE ONLY

APPLIED TECHNOLOGY & BUSINESS EDUCATION

3700 Computer Programming I
3711 AP Computer Science A*
3712 AP Computer Science Principles*
3720 Fundamentals of Web Design I
3730 Fundamentals of Web Design II
4051 Robotics – must be on Robotics Team
6010 Computer Applications
6020/6030 Computer Networking/System Administration -
must choose both - counts as one class
6040 Marketing and Entrepreneurship
6050 Investing and Money Management

ART

8000 Art I
8010 Ceramics
8011 3D Art
8020 Art II
8055 AP Art History*
8060 Graphic Arts
8080 Photography I

LANGUAGE ARTS ENRICHMENT

1340/1350 Speech/Drama - must choose both - counts as
one class
1370 Publications*
1380 Journalism*

MATHEMATICS (In addition to your required math class, you may be approved to take another math class in place of an elective class)

3030M Integrated Math II*
3033M Honors Integrated Math II*
3050 Integrated Math III*
3053 Honors Integrated Math III*
3063 Honors Precalculus
3040 Probability and Statistics*
3044 AP Statistics*

MUSIC

8900 Beginning Guitar
8901 Intermediate Guitar
8909 Concert Band
8910 Symphonic Band
8911 Wind Symphony*
8930 Allure Women's Ensemble*
8931 Chorale*
8974 Vocal Ensemble*
8935 By Request Show Choir*
8970 String Orchestra*
8971 Chamber Orchestra*
8920 Jazz Lab Band*
8921 Jazz Orchestra*

**By Request Show Choir, Allure Women's Ensemble, Jazz Lab Band,
Jazz Orchestra, Wind Symphony, and Chamber Orchestra are by
audition only. If you are auditioning, list it as an elective choice. You
must choose an alternate elective that will be substituted in the event
you are not selected.**

PROJECT LEAD THE WAY ENGINEERING PROGRAM

7510 Introduction to Engineering Design
7520 Principles of Engineering
7530 Digital Electronics

SCIENCE (In addition to your required science class, you may be approved to take another science class in place of an elective class)

4011 Fundamentals of Microbiology
4014/4015 AP Biology* - counts as two classes/credits
4020 Environmental Science
4022 Sustainability (does NOT fulfill State of Ohio 3rd
science credit requirement)
4023/4024 AP Environmental Science* - counts as two
classes/credits
4030 Chemistry*
4033 Honors Chemistry*
4050 Project Physics
4053 Honors Physics*
4054/4055 AP Physics* - counts as two classes/credits

SOCIAL STUDIES

2060 Economics

WORK AND FAMILY LIFE

7010 Life Skills

WORLD LANGUAGE

5010 Spanish I
5020 Spanish II
5030 Spanish III*
5040 Honors Spanish IV*
5050 Honors Spanish V*
5110 French I
5120 French II
5130 French III*
5140 Honors French IV*
5150 Honors French V*
5210 German I*
5220 German II*
5230 German III*
5240 Honors German IV*
CA01 Latin I* - Online course only
CA02 Latin II* - Online course only
CA04 Mandarin Chinese I* - Online course only
CA05 Mandarin Chinese II* - Online course only

Name: (Please print) _____

JUNIOR Class of 2020

Student Preferred Email Address (please print clearly): _____

COURSE SELECTION GUIDE IS AVAILABLE ONLINE AT WWW.LOVELANDSCHOOLS.ORG. GO TO HIGH SCHOOL, OFFICE OF SCHOOL COUNSELING, ACADEMIC ADVISING, COURSE PLANNING RESOURCES.

Students must be certain they have completed all requirements for graduation and for post-high school plans. Placement in English, Math and Science is dependent upon teacher recommendation. Topics or courses below with an asterisk (*) require a teacher signature. If there is a discrepancy with the recommendation, you may appeal using a Course Placement Override Form (available in the Office of School Counseling). Please remember that recommendations are made with the desire to challenge the student while placing them at a level most appropriate for their ability and work ethic. Fill in the course name and number for your choices. Consult the Course Selection Guide for prerequisites and corequisites. There are no study halls. Select courses carefully. Once a class begins, you will not be allowed to drop because you do not like the teacher or class. You must list three alternate courses. **If you plan on taking a Credit Flexibility course or are interested in College Credit Plus (deadline to notify is March 31), please see your counselor.**

Required Courses	Course Choices	Course Number	Course Name	Teacher Signature
English 11 * Choose one option.	1112 English 11 1113 Honors English 11 1214 AP English Language and Composition			
Math * Choose at least one. If you choose to take two math classes, one must be recorded below as an elective choice.	3050 Integrated Math III 3053 Honors Integrated Math III 3051/3052 Integrated Math III with Enrichment (must choose both – list 3052 below as an elective) 3040 Probability and Statistics 3044 AP Statistics 3061 Precalculus 3063 Honors Precalculus 3073 AP Calculus AB 3074/3075 AP Calculus BC - counts as two classes (must choose both - list 3075 as an elective) 3080 Topics of Math			
Science * Choose at least one. If you choose to take two science classes, one must be recorded below as an elective choice.	4011 Fundamentals of Microbiology 4014/4015 AP Biology – counts as two classes (must choose both – list 4015 as an elective) 4020 Environmental Science 4022 Sustainability 4023/4024 AP Environmental Science – counts as two classes (must choose both – list 4024 as an elective) 4030 Chemistry 4033 Honors Chemistry 4034/4035 AP Chemistry – counts as two classes (must choose both – list 4035 as an elective) 4050 Project Physics 4053 Honors Physics 4054/4055 AP Physics - counts as two classes/credits (must choose both - list 4055 as an elective) 4066 Forensic Science 4070 Honors Anatomy and Physiology 4080/4081 Biotechnology I & II – counts as two classes/credits (must choose both - list 4081 as an elective)			
American Government Choose one option.	2100 American Government 2174 AP United States Government and Politics*			
Elective	See choices on back			
Elective	See choices on back			
Elective	See choices on back			
Elective	See choices on back			
Alternates:	List 3 choices below in order of preference			
Alternate 1				
Alternate 2				
Alternate 3				

FOR REFERENCE ONLY

APPLIED TECHNOLOGY & BUSINESS EDUCATION

1006 Innovation Lab
3700 Computer Programming I
3711 AP Computer Science A*
3712 AP Computer Science Principles*
3720 Fundamentals of Web Design I
3730 Fundamentals of Web Design II
3800 Virtual Reality*
4051 Robotics – must be on Robotics Team
6010 Computer Applications
6020/6030 Computer Networking/System Administration - must choose both - counts as one class
6040 Marketing and Entrepreneurship
6050 Investing and Money Management
6060 Honors Financial Accounting

ART

8000 Art I
8010 Ceramics
8011 3D Art
8020 Art II
8030 Art III*
8040 Art IV*
8054 AP Studio Art*
8055 AP Art History*
8060 Graphic Arts
8080 Photography I (a 35mm SLR film camera is required)
8081 Photography II (access to a digital camera is required)

LANGUAGE ARTS ENRICHMENT

1000 Academic Enrichment*
1310 College Study Skills
1320 Creative Writing
1330 Fantasy Science Fiction
1340/1350 Speech and Drama – must choose both - counts as one class
1370 Publications*
0008 Publications Editor* - must also choose 1370 Publications
1380 Journalism*

MATHEMATICS (In addition to your required math class, you may be approved to take another math class in place of an elective class)

3040 Probability & Statistics*
3044 AP Statistics*
3080 Topics of Math*
3061 Precalculus*
3063 Honors Precalculus*
3073 AP Calculus AB*
3074/3075 AP Calculus BC* - counts as two classes/credits

MUSIC

8900 Beginning Guitar
8901 Intermediate Guitar
8909 Concert Band
8910 Symphonic Band
8911 Wind Symphony*
8930 Allure Women's Ensemble*
8931 Chorale*
8974 Vocal Ensemble*
8935 By Request Show Choir*
8970 String Orchestra*
8971 Chamber Orchestra*
8920 Jazz Lab Band*
8921 Jazz Orchestra*
8950 AP Music Theory*

By Request Show Choir, Allure Women's Ensemble, Jazz Lab Band, Jazz Orchestra, Wind Symphony, and Chamber Orchestra are by audition only. If you are auditioning, list it as an elective choice. You must choose an alternate elective that will be substituted in the event you are not selected.

PHYSICAL EDUCATION

9904 Lifetime Sports
9905 Personal Fitness
9911 Lifetime Health and Wellness

PROJECT LEAD THE WAY ENGINEERING PROGRAM

7510 Introduction to Engineering Design
7520 Principles of Engineering
7530 Digital Electronics

SCIENCE (In addition to your required science class, you may be approved to take another science class in place of an elective class)

4011 Fundamentals of Microbiology
4014/4015 AP Biology* - counts as two classes/credits
4020 Environmental Science
4022 Sustainability (does NOT fulfill State of Ohio 3rd science credit requirement)
4023/4024 AP Environmental Science* - counts as two classes/credits
4030 Chemistry
4033 Honors Chemistry*
4034/4035 AP Chemistry* - counts as two classes/credits
4050 Project Physics
4053 Honors Physics*
4054/4055 AP Physics* - counts as two classes/credits
4066 Forensic Science*
4070 Honors Anatomy and Physiology*
4080/4081 Biotechnology I* & II* - counts as two classes/credits

SOCIAL STUDIES

2060 Economics
2064 AP Macroeconomics
2080 Social Psychology
2084 AP Psychology

TEACHING PROFESSIONS ACADEMY

7610 Child and Adolescent Development
7620 Classroom Management
7630 Curriculum and Instruction for Teaching Professions

WORLD LANGUAGE

5010 Spanish I*
5020 Spanish II*
5030 Spanish III*
5040 Honors Spanish IV*
5050 Honors Spanish V*
5054 AP Spanish Language and Culture*
5110 French I*
5120 French II*
5130 French III*
5140 Honors French IV*
5150 Honors French V*
5154 AP French Language and Culture*
5210 German I
5220 German II
5230 German III*
5240 Honors German IV*
CA01 Latin I* - Online course only
CA02 Latin II* - Online course only
CA04 Mandarin Chinese I* - Online course only
CA05 Mandarin Chinese II* - Online course only

CAREER-TECHNICAL - GREAT OAKS

9996 Diamond Oaks
9997 Laurel Oaks
9998 Scarlet Oaks
9999 Live Oaks

OTHER

1005 Student Athletic Innovators

Name: (Please print) _____ SENIOR Class of 2019

Student Preferred Email Address (please print clearly): _____

COURSE SELECTION GUIDE IS AVAILABLE ONLINE AT WWW.LOVELANDSCHOOLS.ORG. GO TO HIGH SCHOOL, OFFICE OF SCHOOL COUNSELING, ACADEMIC ADVISING, COURSE PLANNING RESOURCES.

Students must be certain they have completed all requirements for graduation and any program they wish to enter after high school. Placement in English, Math and Science is dependent upon teacher recommendation. Topics or courses below with an asterisk (*) require a teacher signature. If there is a discrepancy with the recommendation, parents may appeal using a Course Placement Override Form (available in the Office of School Counseling). Please remember that recommendations are made with the desire to challenge the student while placing them at a level most appropriate for their ability and work ethic.

Fill in the course name and number for your choices. Consult the Course Selection Guide for prerequisites and corequisites. There are no study halls. Select courses that you are sure you wish to take. Once a class begins, you will not be allowed to drop because you do not like the teacher or class. You must list three alternate courses.

If you plan on taking a Credit Flexibility course or are interested in College Credit Plus (deadline to notify is March 31), please see your counselor.

Senior Options:

1. Student Aide – It is the student’s responsibility to make arrangements with the teacher for whom they will aide. A Student Aide Request Form must be completed (available in Office of School Counseling) and returned with Course Selection Form. A student may be an aide only once per year.
2. LCSD Ambassador – The Ambassador program pairs students with teachers throughout the district to serve as mentors, helpers, etc. There is an application process. Please see Mrs. McCarty for more information.
3. Early Graduation (see Course Selection Guide for details) – The form to request Early Graduation is available in the Office of School Counseling.

Required Courses	Course Choices	Course Number	Course Name	Teacher Signature
English 12 * Choose one option	1212 English 12 1213 Honors English 12 1215 AP English Literature and Composition			
Elective	See choices on back			
Elective	See choices on back			
Elective	See choices on back			
Elective	See choices on back			
Elective	See choices on back			
Elective	See choices on back			
Elective	See choices on back			
Alternates:	List 3 choices in order of preference			
Alternate 1				
Alternate 2				
Alternate 3				

FOR REFERENCE ONLY

APPLIED TECHNOLOGY & BUSINESS EDUCATION

1006 Innovation Lab
 3700 Computer Programming I
 3711 AP Computer Science A*
 3712 AP Computer Science Principles*
 3720 Fundamentals of Web Design I
 3730 Fundamentals of Web Design II
 3800 Virtual Reality*
 4051 Robotics – must be on Robotics Team
 6010 Computer Applications
 6020/6030 Computer Networking/System Administration - must choose both - counts as one class
 6040 Marketing and Entrepreneurship
 6050 Investing and Money Management
 6060 Honors Financial Accounting

ART

8000 Art I
 8010 Ceramics
 8011 3D Art
 8020 Art II
 8030 Art III*
 8040 Art IV*
 8054 AP Studio Art*
 8055 AP Art History*
 8060 Graphic Arts
 8080 Photography I (a 35mm SLR film camera is required)
 8081 Photography II (access to a digital camera is required)

LANGUAGE ARTS ENRICHMENT

1000 Academic Enrichment*
 1320 Creative Writing
 1330 Fantasy Science Fiction
 1340/1350 Speech and Drama – must choose both - counts as one class
 1370 Publications*
 0008 Publications Editor* - must also choose 1370 Publications
 1380 Journalism*
 0006 Journalism Editor* - one year of Journalism experience required

MATHEMATICS – A Senior year math is highly recommended

3051/3052 Integrated Math III with Enrichment* - must choose both - counts as two classes
 3040 Probability & Statistics*
 3044 AP Statistics*
 3061 Precalculus*
 3070 Honors Calculus*
 3073 AP Calculus AB*
 3074/3075 AP Calculus BC* - counts as two classes/credits
 3080 Topics of Math*

MUSIC

8900 Beginning Guitar
 8901 Intermediate Guitar
 8909 Concert Band
 8910 Symphonic Band
 8911 Wind Symphony*
 8930 Allure Women's Ensemble*
 8931 Chorale*
 8974 Vocal Ensemble*
 8935 By Request Show Choir*
 8970 String Orchestra*
 8971 Chamber Orchestra*
 8920 Jazz Lab Band*
 8921 Jazz Orchestra*
 8950 AP Music Theory*

By Request Show Choir, Allure Women's Ensemble, Jazz Lab Band, Jazz Orchestra, Wind Symphony, and Chamber Orchestra are by audition only. If you are auditioning, list it as an elective choice. You must choose an alternate elective that will be substituted in the event you are not selected.

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9904 Lifetime Sports
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PROJECT LEAD THE WAY ENGINEERING PROGRAM

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 7520 Principles of Engineering
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SCIENCE

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 4030 Chemistry
 4033 Honors Chemistry*
 4034/4035 AP Chemistry* - counts as two classes/credits
 4050 Project Physics
 4053 Honors Physics*
 4054/4055 AP Physics* - counts as two classes/credits
 4066 Forensic Science*
 4070 Honors Anatomy and Physiology*
 4083/4084 Biotechnology III & IV* - counts as two classes/credits

SOCIAL STUDIES

2060 Economics
 2064 AP Macroeconomics
 2080 Social Psychology
 2084 AP Psychology

TEACHING PROFESSIONS ACADEMY

7610 Child and Adolescent Development
 7620 Classroom Management
 7630 Curriculum and Instruction for Teaching Professions
 7640/7650 Education Principles/Education Training and Capstone - must choose both - counts as two classes/credits

WORK AND FAMILY LIFE

7020 Creative Living

WORLD LANGUAGE

5010 Spanish I*
 5020 Spanish II*
 5030 Spanish III*
 5040 Honors Spanish IV*
 5050 Honors Spanish V*
 5054 AP Spanish Language and Culture*
 5110 French I*
 5120 French II*
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 5240 Honors German IV*
 CA01 Latin I* - Online course only
 CA02 Latin II* - Online course only
 CA04 Mandarin Chinese I* - Online course only
 CA05 Mandarin Chinese II* - Online course only

SENIOR OPTIONS (Special forms required)

0001 Student Aide
 00013 Early Graduation
 00180 LCSD Ambassador
 1005 Student Athletic Innovators