

**2024-2025**  
**CURRICULUM**  
**GUIDE**



## **PRINCIPAL'S MESSAGE**

The student Curriculum Guide, listing the courses the faculty is prepared to offer, assists you in planning your program of study at Linden High School. Through the curriculum, we strive to develop in our students the capacity to think accurately, communicate clearly, and respond wisely.

Moreover, the curriculum assures our students are acquainted with new tools of exploration, exposure to new areas of knowledge, and an understanding of new and changing problems that confront society. With its strong faculty, the curriculum has become increasingly flexible, adapting to the various and preferred learning styles and requirements of our students.

After studying this guide, you will choose courses that fulfill graduation requirements, meet your individual needs in terms of career and interests, and educate you for participation in the twenty-first century.

Throughout its history, quality has continued to be the hallmark of a Linden High School education. We encourage you to take advantage of the outstanding educational opportunities available to you.

We invite the entire family to be an active part of Linden High School life. Students' academic, extra-curricular, and social success can often be directly related to the interest parents display. There is absolutely no substitute for parents who are interested in their student's performance at school.

## **HOW TO USE THE CURRICULUM GUIDE**

This Curriculum Guide will enable students and parents to plan a program of study for the four years of attendance at Linden High School. As you use this guide, be certain you are selecting classes that meet your graduation requirements. Please be sure to pay particular attention to the course number and copy it on your course request form exactly as it appears. A one-digit error will change the course request to something entirely different; one asterisk (\*) after a course number denotes a one semester class and two asterisks (\*\*) make it a two semester class. A plus sign (+) means the class is open to freshmen. Check the grade level and prerequisites to make certain you are eligible to take the class before requesting it.

**To the Students:** This booklet has been compiled to aid you in the preparation of your program for the next school year. It is most important that you make a wise selection of classes. Selections should be made with regard to your abilities, interests, previous achievements, and future plans. Keep in mind the graduation requirements and past accomplishments as you select your classes for the next semester.

**To the Parents:** This booklet provides information about the classes offered at Linden High School. We believe that an open discussion with your student concerning class selections would be of great benefit. Any additional questions you have about courses or programs can be answered by the student's counselor.

## PLANNING INFORMATION

A comprehensive, balanced, sequential program shall be developed for each high school student by the student, parent and counselor. The program will be based upon the student's individual interests, abilities and career plans. Where appropriate, students are encouraged to exceed the graduation requirements as described below.

### Required Program for Graduation

Students shall fulfill their subject or area graduation requirements in the high school by successfully completing courses as recommended by the professional staff and approved by the building principal, district curriculum councils and the Board of Education. A student must complete four years or eight semesters of high school attendance. In order to be granted a high school diploma, a student shall earn the following units of credit in the outlined subject area, grades nine (9) through twelve (12).

- Language Arts 4.0
- Mathematics 4.0 (Algebra I; Geometry; Algebra II; 1 add'l math/math-related credit in the senior year, or CTE approved program)
- Science 3.0 (Biology; Chemistry, Physics, or Anatomy; 1 add'l science credit; CTE approved Program)
- Social Science 3.0 (.5 Government; .5 Economics; US History; & World History)
- Arts 1.0 (To be an elective in fine, performing, or practical arts, or CTE approved program)
- Health 0.5
- Physical Education 0.5 (Students participating in a full season of Marching Band may earn a PE credit)
- **PFL (Personal Finance) - required beginning with the class of 2028.**
- Language Other than English 2.0 Two credits of a language other than English are required. A portion or all of this requirement may be fulfilled prior to entering high school. (CTE approved program; 1 Credit Arts)
- Electives 5 (**4.5 beginning with the Class of 2028**)

Online Learning Experience: online course or learning experience OR online experience is incorporated into each of the required credits.

**TOTAL REQUIRED 23**

## LHS Grading Scale

### Traditional Courses

<b>Grade</b>	<b>Numerical Value</b>
A	4.00
A-	3.80
B+	3.50
B	3.00
B-	2.80
C+	2.50
C	2.00
C-	1.80
D+	1.50
D	1.00
D-	0.80
E	0.00

### Honors and AP Courses

<b>Grade</b>	<b>Numerical Value</b>
A	5.000
A-	4.750
B+	4.375
B	3.750
B-	3.500
C+	3.125
C	2.500
C-	2.250
D+	1.875
D	1.250
D-	1.000
E	0.000

\* One semester

\*\* Two semesters

+ open to freshmen

v meets NCAA Guidelines

Pre-Req: Courses successfully passed

## ENGLISH DEPARTMENT

**Analytical Composition and Literature (ACL) A/B (3021) \*\* + v** Grade Level: 9 Core Class/Summer Reading Requirement Pre-Req: None

This course will emphasize language skills, both written and spoken, through application, research, and analysis. Analytical techniques for interpreting the short story, poem, novel, play, and non-fiction will be studied. Students will also write a variety of papers, including a comprehensive research paper and literary analysis. Revision, editing, and grammar will also be reinforced. This course has a summer reading requirement.

**American Literature A/B (3061) \*\* v** Grade Level: 10 Core Class/Summer Reading Requirement Pre-Req: Analytical Comp & Lit

This course covers American literature in an historical context from the Colonial Period through contemporary writers. Students will analyze a variety of literature, including narratives, non-fiction, poetry, short stories, drama, and several novels. Students will continue to build their writing skills through various forms, emphasizing multi-paragraph essays. Revision, editing, research, and grammar will also be reinforced. This course has a summer reading and writing requirement.

**Advanced American Literature A/B (3081) \*\* v** Grade Level: 10 Core Class/Summer Reading Requirement Pre-Req: Teacher Recommendation

This advanced course is designed for a self-motivated learner and moves at an accelerated pace. This course covers American literature in an historical context from the Colonial Period through contemporary writers. Students will analyze a variety of literature, including narratives, non-fiction, poetry, short stories, drama, and several novels. Students will continue to build their writing skills through various forms, emphasizing multi-paragraph essays. Revision, editing, research, and grammar will also be reinforced. This course has a summer reading and writing requirement.

**British Literature A/B (3271) \*\* v Grade Level: 11 Core Class/Summer Reading Requirement**  
Pre-Req: American Literature

This course covers British literature in an historical context from the Anglo-Saxon Period (449-1066 A.D.) through the 21st Century. The literature will include in-depth study of poetry, drama, and novels. Students will continue to build their writing skills through various forms, emphasizing multi-paragraph essays. Revision, editing, research, and grammar will also be reinforced. This course has a summer reading and writing requirement.

**Honors British Literature A/B (3351) \*\* v Grade Level: 11 Core Class/Summer Reading Requirement**  
Pre-Req: Teacher Recommendation

This advanced course is designed for a self-motivated learner and moves at an accelerated pace. This course covers British literature in an historical context from the Anglo-Saxon Period (449-1066 A.D.) through the 21st Century. The literature will include in-depth study of poetry, drama, and novels. Students will continue to build their writing skills through various forms, emphasizing multi-paragraph essays. Revision, editing, research, and grammar will also be reinforced. In addition, this course will prepare students for the Advanced Placement English Literature course and exam through comprehensive study of the A.P. poetry section. This course has a summer reading and writing requirement.

**World Literature A/B (3281) \*\*v Grade Level: 12 Core Class/Summer Reading Requirement**  
Pre-Req: British Literature

This course will study various world cultures through both fiction and non-fiction readings. Readings will include mythology, memoirs, novels, plays, short stories, and articles. The focus of this course will be reading comprehension, research and technology skills, grammar, revision, editing, and writing. This course has a summer reading and writing requirement.

**Advanced Placement English (3141) \*\* v Grade Level: 12 Core Class/Summer Reading Requirement**  
Pre-Req: HBL and Teacher Recommendation

Advanced Placement English is designed to challenge students at the college level and to prepare them for the A.P. English Literature Examination. This course is based on the national A.P. English Course Description. This class will examine all aspects of English skills of writing, literary analysis, and

speaking at the highest level. While the majority of writing will be literary analysis, research papers and creative writing will be required. In addition to individual work, this class will be run like a workshop in which students work together to emote the highest quality thinking, speaking, and writing. Students will give several analytical group presentations. Students will share work and critique others' work on a regular basis. In addition to critiquing peers' work, students will have ample experience analyzing and critiquing authors' style and work. The Senior Exit Project is a unit in the class and a graduation requirement. All students will complete an online portfolio and a presentation. The presentation will be presented in front of community members and staff. **Students who take this course must commit to a summer reading and writing requirement.**

### **ELECTIVE English Courses**

#### **Creative Writing (3371) \* v Grade Level: 10 – 12**

This course emphasizes creative writing techniques and genres through writing descriptive and narrative papers, short stories, screen plays, poetry, and more. Areas of focus include the development of setting, characterization, voice, and plot. This course will emphasize literary techniques such as simile, metaphor, dialogue, sentence structure, grammar, organization, and sensory description. Students are expected to regularly share their work with the class. This course is not recommended for freshmen because students need to be able to construct high-level writing assignments in multiple formats. Students must be prepared for the variety, complexity, and often self-driven writing assignments required for this course.

#### **Debate (3051) \* + Grade Level: 9-12**

This English elective course is designed to introduce students to the basic skills and strategies of the art of debate. Debate is a precisely formatted approach to logical reasoning and is based on honest, in-depth research. This course will focus on competitive style of debate. Students will conduct thorough research, analyze and synthesize information, construct written plans, and orally present arguments. Furthermore, students will gain experience in cross-examinations, and they will improve their listening skills. Students will also gain the skills to approach a topic with objective logic and to reduce their individual biases. The course will also include individual presentations, mock trials, impromptu speeches, infomercials, and other speaking experiences.

#### **Shakespeare in Performance (3365) \* Grade Level: 10-12**

In this English elective course, students will study Shakespearean drama (history, comedy, tragedy) with particular emphasis placed on theatrical aspects of the texts. Students in this course will be analyzing the plays while staging and performing scenes. They will also study technical aspects of theater from Elizabethan to modern times in areas such as sound, lighting, music, and use of props. Time will be split between the classroom and auditorium.

**Narrative Writing: Telling Your Story (3370)\*** Grade Level: 11-12

In this class, students will learn a variety of strategies for writing effective and creative personal narratives. The course will focus on college applications, scholarship essays, and memoirs. Students will have several choice activities including exploring family history, biographical projects, and interest-based research. This class is designed for juniors or seniors who are exploring their post-secondary options.

**Beginning Theater (1560) \*** + Grade Level: 9 - 12 Pre-Req: None

This course will explore the beginning aspects of acting and technical theater. Hands-on projects in the areas of lighting, costuming, make-up, scene construction, history and acting will be required.

## **WORLD LANGUAGES DEPARTMENT**

**French I A/B (3451) \*\* + v** Grade Level: 9 - 12 Pre-Req: None

This course is designed for students just beginning the study of French. All four language skills are studied: listening, speaking, reading, and writing. Students will also study France, Canada, and Senegal. With each country, students will study its people and its past and present cultures.

**French II A/B (3461) \*\* + v**

Grade Level: 9 – 12 Pre-Req: French I

French II is a continuation of French I. Increasing proficiency in listening, speaking, reading, and writing is the course focus. Students will also conduct advanced studies of France, Canada, and other francophone countries.

**French III A/B (3471) \*\* + v**

Grade Level: 9 - 12 Pre-Req: French II

French III is a continuation of French II. This third year class is for the serious student who wishes to become more proficient in French. This class is recommended for students who are applying to selective universities that require a third year for admissions and/or for students who love to learn languages.

**French IV A/B (3481) \*\* + v** Grade Level: 9- 12 Pre-Req: French III

French IV is a continuation of French III. This fourth year class is for the serious student who wishes to become more proficient in French. This class is recommended for students who love to learn languages.

**Spanish I A/B (3511) \*\* + v** Grade Level: 9 - 12 Pre-Req: None

This course is designed for students just beginning the study of Spanish. All four language skills are studied — listening, speaking, reading and writing. Students also learn about the cultures of Latin America and Spain.

**Spanish II A/B (3521) \*\* + v** Grade Level: 9 - 12 Pre-Req: Spanish I

Spanish II is a continuation of Spanish I. All four language skills will be studied: listening, speaking, reading and writing. Students also learn about the cultures of Latin America and Spain.

**Spanish III A/B (3531) \*\* + v** Grade Level: 9 - 12 Pre-Req: Spanish II

Spanish III is a continuation of Spanish II. This third year class is for the serious student who wishes to become more proficient in Spanish in speaking, reading, writing, and listening. Students also learn about the cultures of Latin America and Spain. This class is recommended for students who would like to apply to more selective colleges and universities.

**Spanish IV A/B (3541) \*\* + v** Grade Level: 9- 12 Pre-Req: Spanish III

Spanish IV is a continuation of Spanish III. This fourth year class is for the serious student who wishes to become more proficient in Spanish. Students will use their prior knowledge and apply it to speaking, listening, reading, and writing. Students also learn about the cultures of Latin America and Spain.

**AP Spanish \*\*+ v** Grade Level 9-12 Pre-Req: Spanish IV

AP Spanish is a continuation of Spanish IV. This rigorous fifth year class is designed for serious students who wish to minor or major in Spanish in college. This class focuses heavily on reading and listening to authentic text and audio. It provides an opportunity for students to become high intermediate speakers, and write letters and persuasive essays with advanced vocabulary and correct linguistic structure.

## **American Sign Language I-III \*\* +v Grade Level 9-12**

These courses are designed to train students in American Sign Language from beginner to advanced level. Each year of the course builds on the skills established in the preceding years.

American Sign Language I (1010y)

American Sign Language II (1015)

American Sign Language III (1012)

## **MATHEMATICS DEPARTMENT**

### **Introductory Algebra (5031) \*\* + Grade Level: 9 - 10 Pre-Req: Placement by Department**

Introductory Algebra is a full year course designed for students not ready to take Algebra I. Content will include real number and algebraic expressions, solving equations and inequalities, graphing and writing linear equations, and an introduction to functions.

### **Algebra I (5051) \*\* + v Grade Level: 9 - 12 Pre-Req: Introductory Algebra Or Pre-Algebra or Placement by Department**

Algebra 1 is a full year course designed for the student who has shown proficiency in basic mathematics. Topics included in the course are linear functions and their graphs, solutions to open sentences and word problems in one and two variables, exponential and quadratic functions and their graphs, polynomial and rational expressions, and the use of calculators.

### **Geometry (5131) \*\* + v Grade Level: 9- 12 Pre-Req: Successful completion of Algebra I**

Geometry is a full year course that uses Euclidean plane and space geometry. Emphasis will be placed on deductive reasoning, logical structure, and understanding geometric ideas and relationships. Students will be required to memorize definitions and theorems, apply geometric theorems, and solve numerical/algebraic problems. Other topics will include properties of polygons and circles, beginning trig functions, areas, and volumes.

### **Advanced Geometry \*\*+v Grade Level: 9-10 Pre-Req: Teacher Recommendation**

Advanced Geometry is an alternative to traditional geometry and is intended for students who have demonstrated strong abilities in previous math courses. It is designed for self-motivated learners and moves at a more accelerated pace than traditional geometry. Advanced Geometry will better prepare students for the rigor of AP math courses during their junior and/or senior year(s). In this comprehensive and fast-paced class, the main topics - which are the same as traditional Geometry - are studied at an advanced level, with a focus on deeper, conceptual understanding and problem solving. This course is especially well suited for students considering careers in mathematics and engineering. Advanced Geometry fulfills the state's requirement for graduation.

### **Algebra II (5141) \*\* v Grade Level: 9 – 12 Pre-Req: Successful completion of Geometry**

This is a full year course that expands upon some of the key topics from Algebra I. Students will become familiar with a variety of linear and nonlinear functions throughout the first semester. Topics include: coordinate geometry, linear and nonlinear systems, matrices, quadratic functions, cubic functions, radical, rational, exponential, logarithmic, and trigonometric functions. Quadratic relations, statistics, and sequence and series are also included.

### **Probability and Statistics (5183)\* v Grade Level: 11-12 Pre-Req: Successful completion of Algebra II**

This is a one semester course which is an introduction into basic statistical analysis. It includes, but is not limited to the following topics: analysis of center and spread through a five-number summary or mean and standard deviation, identifying populations and samples within a study, and the use of density curves, specifically the standard Normal curve to determine probabilities within a population. Students will also be encouraged to think critically about data they see in the world on a daily basis.

### **Pre-Calculus (5161) \*\* v Grade Level: 11 - 12 Pre-Req: Successful completion of Algebra II**

Pre-Calculus is a full year course that emphasizes number systems, algebraic functions and analytic geometry, trigonometric functions, polar coordinates and vectors. Considerable time is spent refining and extending skills in algebra. Discrete topics are also included. The use of technology is emphasized throughout. Any student considering a college course of study requiring the completion of calculus should take this course.

**Personal Financial Literacy (5081) \* Grade Level: 11-12 Pre-Req: None**

This one semester course is designed to increase awareness of the importance of making sound financial decisions and provide opportunities for students to learn about the tools available to manage their financial situation. Topics covered will include financial responsibility and decision making, income and careers, planning and money management, credit and debt, insurance, as well as saving and investing.

**AP Statistics (5185)\*\*v Grade Level: 11-12 Pre-Req: Successful completion of Algebra II  
Parent/Student Commitment Form**

This is a full year course that involves the study of four main areas: exploratory analysis; planning a study; probability; and statistical inference. According to the College Board, upon entering this course students are expected to have mathematical maturity and quantitative reasoning ability. In contrast to many math classes, this course will require reading of the text. This AP Statistics course is taught as an activity-based course in which students actively construct their own understanding of the concepts and techniques of statistics.

**AP Calculus (5181) \*\* v Grade Level: 11-12 Pre-Req: Successful completion of Pre-Calculus  
Parent/Student Commitment Form**

This is a full year course designed to prepare for the College Board's Advanced Placement Test in Calculus AB. The course focuses on the deep understanding and application of three overarching topics: limits, derivatives, and integrals. Students will be expected to explain much of their knowledge in writing. Enrollment is subject to instructor/department head and counselor approval.

**Trade Math (015082) \*\* Grade Level 11-12 Pre-Req; None**

This is a year long course that requires selection of both semesters: S1 and S2. Students will review and strengthen their basic computational skills with all types of numbers. Many areas of mathematics will be explored including Algebra, Geometry, Trigonometry and Statistics as they relate to the technical trades. Practical applications and real life applications of mathematics in the trade industries will be learned. Students will apply useful equations and formulas in real life problem solving situations.

## SCIENCE DEPARTMENT

### **Physical Science A/B (7001) \*\* + v** Grade Level: 9 Pre- Req: None

Geophysical Science A/B is a course that combines Earth Science and Physics content, which is part of the Michigan Merit Curriculum. Some basic Chemistry content will also be introduced. Throughout the course, students will be exposed to organizational skills, note-taking techniques, the scientific method, lab technique, metrics, conversions, and study skills. Each semester, one project-based learning unit will be offered. Throughout the course, students will then learn about the following core topics:: Space Systems, History of the Earth, Earth's Systems, Weather and Climate, Human Sustainability, Forces and Interactions, Energy, Waves, and Electromagnetic Radiation. These topics will be taught and reinforced by white boarding in groups, group discussions, and labs. This is the required entry level course for all ninth grade students unless a departmental waiver is given after demonstrated proficiency in the content area. This class cannot be used to fulfill a Chemistry or Physics credit.

### **Biology A/B (7041) \*\* + v** Grade Level: 10 Pre-Req: Credit in both Geophysical Science A and B or Geophysical Science-Year Long

Biology A/B is the first course required by the State of Michigan as part of the fulfillment towards the Michigan Merit Curriculum. The combination of both classes covers all the mandated State of Michigan Science content expectations for Biology. The core ideas are presented in a combination of lecture and lab based learning situations. The ideas covered in the course are; Structure and function; Matter and Energy in Organisms and Ecosystems; Interdependent relationships in Ecosystems; Inheritance and Variation of Traits and Natural Selection and Evolution.

### **Chemistry A/B (7101) \*\*v** Grade Level: 11 - 12 Pre-Req: Algebra I and Biology

Chemistry A is the beginning of a two semester sequence of chemistry. Chemistry A covers matter, classification, chemical bonding, molecular structure, states of matter and gas laws. Emphasis is placed on understanding concepts, problem solving, and laboratory work. Chemistry B is the second semester in the chemistry sequence. It must be taken after Chemistry A. This second half of the course covers molecular structure, enthalpy, kinetics, equilibrium and acids and bases. Emphasis is placed on understanding concepts, problem solving, and laboratory work.

**Advanced Chemistry A/B (7107) \*\*v** Grade Level: 11 - 12 Pre-Req: Algebra I and Biology  
Advanced Chemistry is a first year chemistry course designed for students who have demonstrated strong ability in previous science courses. Advanced Chemistry replaces General Chemistry taken in a student's junior year. The course will better prepare students for the rigor of AP Chemistry or AP Biology during their senior year. In this comprehensive and fast-paced class, the main topics - which are the same as regular Chemistry - are studied at an advanced level, with a focus on both conceptual understanding and problem solving. Laboratory experimentation and analysis is an integral part of this course. This course is especially well suited for students considering careers in science, engineering, or medicine. Advanced Chemistry fulfills the state's requirement for graduation.

**Advanced Placement Biology (7042)\*\*v** Grade Level: 12 Pre-Req: Successful completion of Chemistry (or Advanced Chemistry) and Biology

Advanced Placement Biology is a two semester course designed to be the equivalent of a two-semester college introductory Biology course taken by Biology Majors during their first year. This course differs from the usual high school Biology course in the kind of textbook used, the range and depth of topics covered, the type of lab work done by the students and the time and effort required by students. The big ideas covered are : the process of evolution drives the diversity and unity of life; biological systems utilize free energy and molecular building blocks to grow, reproduce, and maintain dynamic homeostasis; living systems store, retrieve, transmit and respond to information essential to life processes; and biological systems interact, and these systems and their interactions possess complex properties. There will be many laboratories throughout the year that reference the AP Biology curriculum. At the end of the course, students will be ready to take the AP Biology exam.

**Astronomy (7115)\*v** Grade Level: 10-12 Pre-Req: Geophysical Science

Astronomy is a one semester course tailored to students who want to know more about the cosmos and how we can observe and study it. Students will learn about space and astronomical objects in addition to being able to experience and observe cosmic events firsthand. Unit topics include: History of Astronomy, Our Solar System, The Night Sky, Stars and other deep space objects, Space Travel, and current astronomy topics. Students will participate in daytime solar observation and have options to do nighttime viewing outside of school hours. Students will need to exhibit collaborative work and critical thinking skills to properly complete classwork. This course will run every other year.

**Inventions (7055)\*+**

Grade Level: 9-12

Pre-Req: None

Inventions is an engaging one-semester course designed to facilitate the implementation of STEAM education (Science, Technology, Engineering, Art, and Math). This hands-on class empowers students to define problems, develop innovative products, and effectively communicate their results to the appropriate audience. By actively participating in the learning process, students are encouraged to nurture problem solving skills, explore their boundless creativity, and apply their knowledge and abilities to real life scenarios. Collaboration is highly valued, fostering an environment that promotes teamwork and support. By immersing themselves in these captivating topics, students will embark on an exciting journey of discovery, honing their skills, and preparing themselves for the challenges that lie ahead.

**Inventions II**

Grade Level 9-12

Pre-Req: Inventions I

The inventions II course is designed for high school students who have an interest in working with wood and/or desire to develop their skills in woodworking. This hands-on course provides students with the opportunity to learn and to properly use hand tools, power tools, and woodworking machinery, while adhering to safety guidelines and best practices. Throughout the course, students will engage in a variety of projects that will allow them to explore different aspects of woodworking, from basic joinery to more advanced carpentry. In Inventions II, students will develop a strong foundation in woodworking fundamentals including: learning how to read and interpret woodworking plans, accurately measure and mark wood, and select appropriate materials for their projects. They will also gain proficiency in cutting, shaping, sanding, and finishing wood to create high quality, functional pieces. As students progress through the course, they will tackle increasingly complex projects that challenge their problem-solving and critical thinking skills. They will have the opportunity to design and build their own custom pieces, applying their knowledge of joinery techniques, wood selection, and finishing methods. They will have the opportunity to gain the confidence and expertise in order to create their own woodworking projects, whether for personal use or as potential career pathways in the field of woodworking and carpentry.

**Outdoor Adventure Science (7061) \* +** Grade Level: 9-12 Pre-Req: None

This one semester course is designed to offer students a practical foundation in physical, geological, environmental and biological sciences. Emphasis will be placed on biological diversity of Michigan flora and fauna, wildlife conservation, and appreciation for natural resources. In addition, students will learn the skills that will assist them in understanding, appreciating and adapting to the outdoors. Participation in this class will also emphasize the importance of good health and improved physical fitness. Experiencing various outdoor activities will be the primary mechanism of learning the concepts of this course. This course will run every other year.

**Human Anatomy and Physiology A /B (7071) \*\*v** Grade Level: 11 - 12 Pre-Req: Biology

Anatomy and Physiology A is a rigorous college prep course all about the human body. Students will gain a new understanding of how their body works and be able to apply it to their everyday life through labs, several specimen dissections, case studies, and lectures. The following areas will receive the most intense study: basic language of anatomy, basic histology, integumentary system, skeletal system, and physiology of muscles.

Anatomy and Physiology B is a continuation of Human Anatomy and Physiology a. The following areas will receive the most intense study: continuation of physiology and gross anatomy of muscles, nervous system, special senses, blood, cardiovascular system, and respiratory system.

**Forensic Science (7091A) \* v** Grade Level: 11 – 12 or with instructor’s permission. Pre-Req: Biology

The Forensic Science course is a semester of laboratory-based scientific investigations using microscopy, comparative analysis techniques, qualitative analysis and quantitative examinations. Reading, writing, and participation will be an integral part of the course with students being to participate in labs, communicate their results and conclusions, and research various topics. Topics include but are not limited to: fingerprint analysis, impression evidence, toxicology, DNA and blood analysis, hair and fiber analysis, forensic psychology paint evidence, drug evidence, crime scene analysis, document and voice analysis and forensic anthropology. This course is for mature students with strong reading skills, who are interested in science and are committed to attendance, active participation and learning. This course will run every other year.

**Advanced Placement Chemistry (7105) \*\* v** Grade Level: 12 Pre-Req: Advanced Chemistry A and B or Chemistry A and B

AP chemistry is a rigorous, year-long, cumulative course designed to cover all material in a freshman level college chemistry course. Topics covered include chemical bonding, reactions, stoichiometry, solution chemistry, gases, thermodynamics, kinetics, equilibrium, and acid/base chemistry. The course also includes a strong laboratory element with analysis. Students are required to read, complete assignments and study outside of class in addition to work done during class. Students will be prepared to take the AP chemistry exam.

**Physics A/B (7111) \*\* v** Grade Level: 11 and 12 Pre-Req/Co-Req: Algebra II/Trigonometry

Physics A/B is a two semester sequence of physics. Physics A covers vectors, kinematics, two- and three-dimensional motion, momentum, and gravitation. Physics B covers waves, sound, light, optics, electricity, and magnetism. The work in this course sequence is rigorous and challenging. The main focus for both sections is the use of phenomena to introduce a topic and group discussions to uncover the meaning of the data that is generated. Problem solving and laboratory work is emphasized.

**Robotics**

Grade Level: 9-12

Pre-Req: None

In this dynamic and hands-on robotics class, you will embark on an exciting journey of building and programming of individual robots. Throughout the course, you will be immersed in a series of engaging activities that will challenge you to design, construct, and program your personalized robot. Imagine the satisfaction of seeing your creation come to life, responding to your commands and navigating its environment with precision. The class will cover essential aspects of robotics, including mechanical assembly, electronic components, and programming languages tailored for robotics applications. You will learn to integrate sensors, actuators, and microcontrollers, gaining a comprehensive understanding of how these elements work together to bring your robot to life.

**AP Computer Science Principles**

Grade Level: 9-12

Pre-req: None

AP Computer Science Principles is an introductory-level course meant for all students and encompasses a wide range of topics. When you take AP CSP, you'll learn how computers and technology are impacting our daily lives, from the apps we use, to how our personal data is collected, to how AI can have positive and negative consequences. Students work collaboratively to creatively address real-world issues using the tools and processes of computation. Students will learn how to harness technology to:

- Work collaboratively to address real-world issues
- Design a program to solve a problem
- Analyze computational work
- Communicate ideas about technology

This course does not require writing code to solve tasks, only a systematic approach to problem solving.

**Zoology (7040) \* v +** Grade Level: 9-12 Pre-Req: None

Zoology is a laboratory based one semester course that presents the classification, anatomy, physiology and ecology of the major phyla of the animal kingdom. Emphasis is placed on the adaptations of animals within their biogeographical habitats. Individual field collection of specimens is required outside of regular school hours. Also, student dissection of various representative examples is required. This course will run every other year.

**Science & Society (7052) \* v** Grade Level: 10 - 12 Pre-Req: Geophysical Science

This is a completely redesigned class that is project based! This one semester class studies topics related to science and the environment in our world. Students will continue their study of the living/non-living interactions in the environment as they continue studies in the areas of air/water/land pollution. The primary focus of this course will be the impacts humans have on their local and school-wide environment. Students will design and implement a project to improve their school, the outdoor space or local community. This course will run every other year.

## **SOCIAL SCIENCE DEPARTMENT**

**World History A/B (8031) \* \*\* v** Grade Level: 9

This two semester course is **required for graduation**. In World History A, students will review of the foundations of civilizations and the middle ages. Then students will learn about the age of Exploration, the Renaissance, the Reformation, Absolutism, Revolution, Industrialization, and Nationalism. The course incorporates the study of geography and the study of cultural and religious influences. In World History B, students will learn about the Nationalism, Imperialism, Militarism, Revolution, World War I, World War II, and the Cold War. The course incorporates the study of geography and the study of cultural and religious influences.

**U. S. History A/B (8051) \*\* v** Grade Level: 10

This two semester course, **required for graduation**, for all 10th grade students to take in preparation for the state of Michigan high school merit test. The era of history that will be surveyed will be from a period of 1880-1930. Themes covered will be: the Gilded Age, Industrialization and Labor, US Immigration, US Imperialism, the Progressive Era, the Great War (WWI), Jazz Age of the Roaring 20's, and the start of the Great Depression. Emphasis will be placed on the American people as they developed cultural, government, and citizenship responsibilities as they entered the 20th century. During the second half of this course the era of history that will be surveyed is from the period of 1930-2009. Themes studied will be: FDR's New Deal during the Great Depression, WWII, McCarthyism, Cold War tensions of the 1950-60's, Civil Rights movement, Vietnam War, Watergate, USSR collapse of communism, Reagan Conservatism, Persian Gulf War, War on Terrorism, and the impact of politics, music, and cultural changes in America during the 20<sup>th</sup> and into the 21<sup>st</sup> century. Emphasis on domestic and foreign policies that have shaped America will be the focus of this course as the United States prepares to continue to lead the world in the 21<sup>st</sup> century

**Economics (8105) \* v** Grade Level: 11 Pre-Req: U.S. History A & B

This one semester course is **required for graduation**. In this course of study, students will learn economic literacy is essential for citizens in our national and increasingly interconnected world economy. Increasingly, productive members of society must be able to identify, analyze and evaluate the causes and consequences of individual economic decisions and public policy including issues raised by constraints imposed by scarcity, how economies and markets work and the benefits and costs of economic interaction and interdependence. Economic literacy includes analysis, reasoning, problem solving and decision making that help people function as consumers, producers, savers, investors and responsible citizens.

**Government (8101) \* v** Grade Level: 11 Pre-Req: U.S. History A & B

This one semester course is **required for graduation**. The course will be the basic study of the U.S. government through an examination of the executive, legislative, and judicial branches at all levels. American political parties, civil rights under the law, and foreign policy will be studied. All students will be required to attend a school board meeting and a local government meeting. Writing skills are emphasized.

**Geography (8045) \* + v** Grade Level: 9 - 12

This one-semester elective course is designed to assist students in mastering world and human geography standards. The five themes of geography will be used to explore the complex relationship between the physical and human geography of world regions and current global issues. Students will learn how geographers look at the world using different tools and how the geographer's craft helps us interpret the past, understand the present, and plan for the future. Throughout the course, students will be challenged to expand their critical thinking skills, broaden their understanding of the world around them, and appreciate diversity in a globalized society, demonstrating knowledge through project-based learning and student-developed and delivered class presentations. This course will run every other year.

**History of Ancient Civilization (8025) \* + v** Grade Level: 10 – 12

This course is designed to study man's progress from prehistory through the Ancient Civilizations, to the Fall of Rome. Ancient civilizations to be studied include those of Sumer, Egypt, India, China, Greece, and Rome. Emphasis will be placed on the foundation that these civilizations laid for the western world. The course will focus on the six characteristics of civilization: cities, social classes, government, religion, writing, and the arts. In conjunction with those units, the following topics will be included: pyramids, hieroglyphics and mummies, the Great Wall of China, the ancient Olympics, mythology, classical architecture, the democracy of Greece, and the republic of Rome. This course will run every other year.

**Psychology I (8071) \* v** Grade Level: 10-12

Psychology I is a one semester elective course for 10-12 graders that examines the scientific study of mental processes and human behavior. This class is focused on three content areas: Scientific Methods, Developmental Psychology, and the Biological Basis of Behavior. The Scientific unit focuses on research methods, ethical considerations and historical perspectives of psychology. The Developmental unit focuses on physical, cognitive, language, emotional, and moral development throughout life; emphasis is on childhood, adolescent, and adult development. The Biopsychology unit focuses on the way the brain and nervous system functions, including sensation and perception.

**Psychology II (8072) \* v** Grade Level: 10-12

Psychology II is a one semester elective course for 10-12 grade students that examines the scientific study of mental processes and human behavior. The class is focused on four content areas: Cognitive Psychology, Personality, Assessment and Mental Health, and Social and Cultural Dimension of Behavior. The Cognitive unit focuses on learning, memory, information processing, and language. The Personality unit focuses on personality development, personality tests and psychological disorders. The Assessment unit focuses on treatment of psychological disorders. The Socio-cultural unit focuses on conformity, obedience, perceptions, attitudes, and the influence of the group on the individual.

**Reel History; United States History Through Film (8075) \*v** Grade Level: 10-12 Pre-Req: World History A & B

This one-semester elective course offers students a unique way to view United States history; through film. Students will analyze historical periods, events, and people using film as a source. Students will gain new insight into the historical events from the American Revolution through recent US history. The course will include discussion, presentation, and composition work, honing student writing and revision skills as they write reaction and analysis papers to films viewed in class. In addition to learning the historical accounts, students will explore historiography and historical methodology.

**Renaissance to World War II (8205) \* + v** Grade Level: 10 - 12

This one semester elective course includes topics about: the Renaissance, the Reformation, the Scientific Revolution, the French Revolution, Napoleon, czarist Russia and the Communist Revolution, World Wars I and II, the Holocaust, world religions and cultures.

**Sociology (4000) \*v** Grade Level: 10-12 Pre-Req: None

Sociology is defined as the science of society, social institutions, and social relationships. This course provides a broad overview of sociology and how it applies to everyday life with an emphasis on contemporary American society. Major theoretical perspectives and concepts are presented, including sociological imagination, culture, deviance, inequality, social change, and social structure. Students also explore the influence of social class and social institutions. Throughout the course, students will also be working to improve their reading, writing, and critical thinking skills as they analyze society.

**Advanced Placement United States History (8061)\*\*v** Grade Level: 10-12 Pre-Req: Teacher Recommendation; Student-Parent Agreement

This is a full-year course of study covering American history from the Pre-Columbian period to present. The course is designed to prepare students to take the AP U.S. History exam in May and is the equivalent of an introductory American history course in college. This class will satisfy the graduation requirement for U.S. History. Emphasis will be placed on teaching the content as well as focusing on historical thinking skills. Historical essay writing is a major component of the course. A summer reading assignment is required.

**Advanced Placement United States Government and Politics (8501) \*\* v** Grade Level: 11-12 Pre-Req: Teacher Recommendation Student/Parent Agreement

This course is designed to give a critical perspective on politics and government in the United States. This class will satisfy the graduation requirement for civics and economics. It is a year long course designed for students to prepare for the College Board's Advanced Placement Test in U.S. Government and Politics. The course examines the following areas: US Constitution, political and economics beliefs, economic systems, political parties and interest groups, three branches of government, civil rights and civil liberties, international trade and relations. Public speaking and oral debating are an important student role in this course. Writing and research skills are a prerequisite. A summer reading is required. Enrollment is subject to instructor/department head and counselor approval.

**Advanced Placement Psychology (8040) \*\*v**

Grade Level: 11-12 Pre-Req: Student-Parent Agreement

This elective course is a year-long course designed to prepare students to take the AP Psychology test in

May. Students study human behavior and mental processes. This course is the equivalent of an introductory psychology course in college. Topics to be covered are history and approaches to psychology, research methods of psychology, the biological basis of behavior, states of consciousness, learning and memory, motivation and emotion, sensation and perception, personality, abnormal behavior and approaches to treatment, and social psychology.

## **MUSIC DEPARTMENT**

**Concert Band** (1022) \* + Semester 1 (1023) \* + Semester 2 Grade Level: 9 - 12 Pre-Req: None

The Concert Band is the entry level band at the high school level. Members of this ensemble will receive instruction in fundamental musical skills such as tone production, rhythm, musicianship, musicality, and many other aspects associated with musical performance. Students will be expected to take responsibility for their own parts and be able to perform all assigned music. Mandatory commitments include: after school concerts (4-5 per year), pep assembly performances, after/before school sectionals (if needed), occasional community appearances as needed, and MSBOA festival on a Saturday in March. To gain the most as a musician, it is HIGHLY encouraged that all members enroll in both semesters. Private instruction is encouraged.

**Wind Ensemble** (1031) \*\* Both Semesters ONLY Grade Level: 10 - 12 Pre-Req: Audition

BY AUDITION ONLY. The Wind Ensemble is the most prestigious instrumental ensemble in the district. Students are expected to perform at a high level of musicianship and exhibit all fundamental skills on a daily basis. Members must attend all performances and put in extra time outside of the school day. Participation in Solo and Ensemble Festival is HIGHLY recommended as a means to improve each individual musician. Private instruction is also encouraged. Members of this ensemble should have the desire to perform at an extremely high level and be willing to work very hard to produce college level musical performances. At times after/before school sectionals may be required to obtain that goal and members must be willing to attend such events.

**Music Appreciation** (1050) \* + Grade Level: 9-12 Pre-Req: None

Music Appreciation is a one semester course designed for all students, not just those with musical training. The first half of the course focuses on the music of previous eras, how history and society shaped the music of each era and vice versa, and how it relates to and affected the music of today. The second half of the course goes through modern music genres, film/media music and musical identity. Students create multiple presentations/projects throughout the semester. Students learn to use a musical

vocabulary to discuss the music they listen to, and use basic music notation.

**Concert Choir** (1067) \* + Semester 1 (1068) \*\* Semester 2 Grade Level: 9 - 12 Pre Req: None

The Concert Choir is the entry level vocal ensemble at the high school level. Members of this ensemble will receive instruction in fundamental musical skills such as tonal beauty, breath support, basic music elements, language elements, and many other aspects associated with musical performance. Students will be expected to take responsibility for their own parts and be able to perform all assigned music. Mandatory commitments include: after school concerts, after / before school sectionals / rehearsals (if needed), and occasional community appearances as needed. To gain the most as a musician, it is HIGHLY encouraged that all members enroll in both semesters.

**Chamber Ensemble** (1082) \*\*\* Both Semesters ONLY Grade Level: 10 - 12 Pre-Req: Audition Only

BY AUDITION ONLY. The Wind Ensemble is the most prestigious vocal ensemble in the district. Chamber Ensemble is an advanced course in vocal study and will further develop the student's performance skills, sight reading, and vocal production. Students are expected to perform at a high level of musicianship and exhibit all fundamental skills on a daily basis. Members of this ensemble should have the desire to perform at an extremely high level and be willing to work very hard to produce quality musical performances. There are a number of performance opportunities for performing throughout the school year. Attendance at all scheduled rehearsals and performances is mandatory.

**Music Theory** Grade Level: 11 - 12

Pre-Req: None

This course is a one semester course designed for students interested in the study of music theory. This will include multiple aspects of music such as melody, harmony, texture, rhythm, form, musical analysis, elementary composition, dictation and aural skills. The student's ability to read and write musical notation is fundamental to this course. It is also recommended that the student will have acquired at least basic performance skills in voice or on an instrument.

## **ART DEPARTMENT**

**Exploratory Art** (1111) \* + Grade Level: 9 - 12 Pre-Req: None

Exploratory Art is a beginning art class that will teach students the basic fundamentals of art. Assignments will incorporate the elements and principles of design such as line, color, movement, balance and many more. Projects include designing a city in perspective, paper sculpture, metal tooling,

chalk, and watercolor.

**Graphic Arts I (1144) \* + Grade Level: 9 - 12 Pre-Req: None**

Graphic Arts 1 is a computer based art class. Students will learn the fundamentals of Photoshop, Illustrator, and InDesign. They will learn to edit photos, create simple illustrations and put together a portfolio. Projects for this class include: logo design, business cards and letterheads, poster design, and simple animation.

**Graphic Arts II (1151) \* + Grade Level: 9-12 Pre-Req: Graphic Arts I**

Graphic Arts 2 is a continuation of Graphic Arts 1 with students using the computers and Photoshop to complete their assignments. Students will build upon their knowledge of Photoshop, Illustrator and InDesign to create more advanced assignments using new techniques. Projects will include: an infographic, a movie poster, designing a game, designing a website, and a magazine cover.

**Sculpture I (1131) \* Grade Level: 10 - 12 Pre-Req: Credit Earned in Exploratory Art**

This is a hands-on class introducing students to 3-Dimensional art. Students will learn building and sculpting skills while creating 3D artwork. Students will continue to incorporate elements and principles of art in each design. Students will use a variety of media to create 3D art such as clay, yarn, paper mache, etc. Students will create a digital portfolio of their work.

**Sculpture II (1231) \* Grade Level: 10 - 12 Pre-Req: Credit Earned in Sculpture I**

Sculpture II is a continuation of Sculpture 1. Students will expand their knowledge in working with 3D materials and create more advanced work. Similar materials will be used along with new ones. Students will also have the opportunity to work on the ceramics wheel. Students will create a digital portfolio of their work..

**Drawing & Painting I (1121) \* + Grade Level: 9-12 Pre-Req: Credit Earned in Exploratory Art**

In Drawing and Painting I techniques such as color theory, watercolor techniques, pastel techniques and how to use paint will be elaborated on.. Students will create several major assignments working their way to a watercolor and acrylic painting. Students will learn about the elements and principles of design.

**Drawing & Painting II (1161) \* Grade Level: 10 - 12 Pre-Req: Credit Earned in Drawing & Painting I**

Drawing and Painting II will build upon the techniques and ideas from Drawing and Painting I. Students will work more with color and shading. Projects will range from acrylic painting and mosaics to pastels and watercolors. Students will learn more about the elements and principles of design. Students will also be required to keep a sketchbook for ideas and assignments and to submit work for the school art show

**Photography (1106) \* + Grade Level: 9-12 Pre-Req: none**

Students will learn the basics of photography: elements, principles, composition and camera manual mode. Students will have access to cameras and different lenses to take their photos. Students will learn how to use photo editing software to enhance their images. They will be able to check out cameras to take pictures for various assignments. Students will learn about various careers in photography. They will experiment with different shutter speeds, depth of field and lighting scenarios, as they learn how to control their cameras in manual mode. Projects can include: Light Painting, Capturing items dropping and splashing, Popping water balloons, smoke photography, as well as taking photos based on their own idea as a capstone project.

**Video Production I (1811) \* + Grade Level: 9 – 12 Pre-Req: None**

Video 1 is an introductory class into the world of film and TV. Students will learn how to use video cameras and editing stations to create short videos using a wide variety of equipment. Students will learn the basics of pre-production (planning their video), production (filming) and post-production (editing and finishing the video). Programs taught in Video 1 will be Adobe Premiere Pro (film editing software), Adobe After Effects (special effects) and Canva (online graphic editor). The basic principles and techniques of editing will be introduced in this class. Students will have access to digital video cameras and Mac computers for use in the class. Students in any video class will be required to film and edit school events, such as plays, concerts, homecoming and graduation. Projects can include: Short film of student choosing, how to film dialogue, how to film using different transitions, short films based on a given topic, commercials/documentaries, and cutting on action.

**Video Production II (1821) \* + Grade Level: 9 – 12 Pre-Req: Credit Earned in Video Production I**

Video 2 is a continuation of Video 1. Concepts taught in Video 1 will be reviewed and used throughout the class. New concepts covered in Video 2 are audio in film, stop motion, and scriptwriting. Students will create several short films possibly including a music video and their own short film. Students in any video class will be required to film and edit school events, such as plays, concerts, homecoming and

graduation.

**Video Production III (1831) \* Grade Level: 10-12 Pre-Req: Credit Earned in Video Production II**

Students will build upon what they learned in Video 1 and Video 2 to create a portfolio of work. Students will create several short films from an action video to a video with green screen. Concepts covered in this class will be how to use a green screen, advanced editing techniques, and how to add suspense. Students may create a DVD of their work to keep. Students in any video class will be required to film and edit school events, such as plays, concerts, homecoming and graduation.

**Video Production IV (1841) \* Grade Level: 10-12 Pre-Req: Credit Earned in Video Production III**

Students will work on utilizing better sound in their videos, dialogue and script writing. The final project will be to create your own short film using concepts learned in Video 1-4. Concepts covered will include continuity in film, how to make dialogue interesting, and sound. Students may create a DVD of their work to keep. Students in any video class will be required to film and edit school events, such as plays, concerts, homecoming and graduation.

**Video Announcements (1861) \* Grade Level: 10-12 Pre-Req: Credit Earned in Video I**

Students will learn how to create a news program and podcast that airs weekly for the whole school. Students will get to use studio equipment to produce the weekly news program and podcast episodes. Students will also create weekly features to air with the announcements. All students are required to be the on air talent for the news as well as a podcast. Students are also required to help film the weekly program. New programs used in this class: Adobe Premiere, Canva, OBS.

**3D Modeling & Animation (1160) \* + Grade Level: 9-12 Pre-Req: none**

Students will learn how to use a 3D Modeling software. They will learn how to build & render a 3D scene using blender, working with mesh objects, materials, lighting and then learning how to animate the objects and scenes for a final short video. Students will also have the opportunity to 3D print certain projects. Projects will include: Make a Pencil, Making and Animation a Coin, Making Chess Pieces for

a chess board, Create liquid and dropping animations, create a character and animation with the character, and more.

**Intro to Video Game Design (1166) \*\* Grade Level: 9-12 Pre-Req: none**

Students in the Intro to Video Game Class will learn how to make beginner games without coding. Students will use a game engines program in order to create their games. Students will also create their own 2D sprites and publish their games to the web for others to play. video game to play on the web or computer. Students will use provided C# scripting along with Unity. Throughout the class students will play current video games and student made games. Students will explore careers in video game design throughout the semester. The final exam will consist of a portfolio of work and reflections on their work and current events in the world of video games.

**Video Game Design (1165) \*\* Grade Level: 9-12 Pre-Req: Intro to Video Game Design or Teacher recommendation**

Students in video game design will learn how to code and design their very own video game to play on the web or computer. Students will use C# scripting along with Unity and Fuse to create several 2 D and 3D games. Students will create basic games to more advanced games based on concepts and skills learned in class. Throughout the class students will play current video games and student made games. Students will explore careers in video game design throughout the semester. The final exam will consist of a portfolio of work and reflections on their work and current events in the world of video games.

**AP Art (1218) \*\* Pre-Req: Successful completion of a beginning art course: exploratory art, photography, or graphic arts AND Submission of a Portfolio to obtain a Teacher Recommendation Recommended: Exploratory Art, Photography/Graphic Arts, and Drawing & Painting 1**

In Advanced Placement Art, students will experience a college level art class where they could receive college credit. It is recommended that students take Drawing and Painting, and Graphic Arts 1 before enrolling in this class. Over the course of the school year, students will develop a portfolio for possible submission to the College Board. This extensive portfolio as described below:

The AP Art portfolios will each consist of two sections:

**1. Sustained Investigation (60% of exam score)**

For all three portfolios, students will submit images and writing to document their inquiry-guided investigation through practice, experimentation, and revision:

- A minimum of 15 digital images that include works of art and design and process documentation.

- Typed responses to prompts, providing information about the questions that guided their investigation and how they practiced, experimented, and revised, guided by their questions.

## 2. **Selected Works** (40% of exam score)

For all three portfolios, students will submit works of art and design and writing to demonstrate skillful synthesis of materials, processes, and ideas:

- For AP 2-D Art and Design and AP Drawing: 5 physical works or high-quality reproductions of physical works with written responses on paper describing the materials, processes, and ideas used.
- For AP 3-D Art and Design: Digital images of 5 works (2 views of each) with typed responses describing the materials, processes, and ideas used.

## **PHYSICAL EDUCATION / HEALTH**

**Physical Education I (6001) \*** + Grade Level: 9 – 12 Pre-Req: None

Students will focus on defensive and offensive strategies within team sports, leisure activities and individual sports. They will also improve on Skill and Health related components of fitness. This course is offered to freshman students and is a requirement for graduation.

**Physical Education II (6021) \*** Grade Level: 10 – 12 (Co-ed) Pre-Req: Credit in P. E. I

Students will continue team and individual sport participation. The major emphasis of this course will be leisure and lifetime physical fitness activities.

**Physical Education III (6031) \*** Grade Level: 10 – 12 (Co-ed) Pre-Req: Credit in P. E. I

Students will be introduced to fitness training with emphasis on proper form and mechanics. Students should expect to engage in multiple forms of physical fitness everyday. Such activities will include, but are not limited to: Free weights, machine weights, plyometrics, agility drills, barbells, and other dynamic workouts. Workouts are based on student needs/goals whether student is in-season/off-season or a non-athlete. Students will also be introduced to mindfulness, which is a form of meditation/stress reduction.

**Sports Conditioning (6040) \*** Grade Level: 10 – 12 (Co-ed) Pre-Req: Credit in P. E. I

Sport-specific training is simply fitness and performance training designed specifically to maximize athletic performance. The use of sports specific training allows you to effectively and efficiently reach your goals in sport. It can result in better performance, lower injury risk and increase competitive longevity. To excel in your chosen sport, it is important for training to be varied and tailored to specific individual or team needs.

**Health (6002) \*** + Grade Level: 9 – 12 Pre-Req: None

Health is a one semester course that is a **requirement for graduation**. This course covers Social, Mental/Emotional, and Physical Health. The goal of the course is to touch on a variety of units such as: Decision Making, Goal Setting, Disease Prevention, Safety, Substance Abuse, Nutrition, current Health

issues in the news, and Reproductive Health. Ultimately, students will become health literate and learn health skills that can be transferred to personal healthy behaviors.

## **BUSINESS DEPARTMENT**

### **Accounting I (2051)\*\* Grade Level: 10-12 Pre-Req: None**

Accounting I is a full-year course (when scheduled with Accounting II). This is a course designed to serve as an introduction to the basic principles of accounting, accounting practices, and the application of these practices. Accounting I is a skills-based course that is of value to all students, whether exploring a career in business or for personal financial needs. Accounting I is an essential course for students who are pursuing a strong background in business, marketing and management. This course covers the complete accounting cycle for a service business organized as a proprietorship, along with journalizing and posting transactions.

Students taking a CTE business course automatically qualify to participate in DECA. DECA (Distributive Education Clubs of America) is a student organization with a focus on leadership, civic involvement, and competition. Membership is strongly suggested.

### **Accounting II (2052)\*\* Grade Level: 10-12 Pre-Req: Accounting I**

Accounting II is a full-year course (when scheduled with Accounting I). The course is designed to further students' understanding of accounting principles in relation to businesses organized as corporations. This course includes accounting for business use and serves as a good foundation for business opportunities, employment, and is essential for post-secondary studies in all areas of business. Course topics include purchases and cash payments, sales and cash receipts, preparing payroll records and accounting for payroll taxes, and use of various financial statements.

Students taking a CTE business course automatically qualify to participate in DECA. DECA (Distributive Education Clubs of America) is a student organization with a focus on leadership, civic involvement, and competition. Membership is strongly suggested.

### **Advanced Accounting (012053)\*\* Grade Level: 11-12 Pre-Req: Accounting I & II and Teacher Recommendation**

Advanced Accounting is a full-year course that will provide students with a comprehensive study and real-world implementation of the accounting cycle. Course topics include application of advanced accounting principles, procedures, and techniques used to solve business problems and make financial decisions. Students will complete a certification course in QuickBooks, then use the knowledge learned to work in a technology-integrated environment, using accounting and spreadsheet software to analyze, evaluate, and interpret business financial data related to inventory, fixed assets, and accounts payable and receivable in a real-world business environment.

Students taking a CTE business course automatically qualify to participate in DECA. DECA (Distributive Education Clubs of America) is a student organization with a focus on leadership, civic involvement, and competition. Membership is strongly suggested.

**Finance/Investing (012054)\* Grade Level: 12 Pre-Req: None**

Finance/Investing is a semester course. This course serves as an introduction to finance and investing to help students build a solid foundation as it relates to business. Course topics include understanding the role of financial institutions, what financial tools are available and how they can be utilized, and various types of investment opportunities. Students will discuss relevant current events and gain an in-depth understanding of the importance of finance and investing in daily life.

Students taking a CTE business course automatically qualify to participate in DECA. DECA (Distributive Education Clubs of America) is a student organization with a focus on leadership, civic involvement, and competition. Membership is strongly suggested.

**Marketing I (012036)\*\* Grade Level: 10-12 Pre-Req: None**

Marketing I is a full-year course (when scheduled with Marketing II). The course is designed to provide students with an introductory understanding of marketing concepts. This course is extremely useful for anyone who plans on majoring in business, starting their own business, or who simply wants a good understanding of basic marketing practices. Course topics include basic marketing concepts, economics, consumers and competition, and market research.

Students taking a CTE business course automatically qualify to participate in DECA. DECA (Distributive Education Clubs of America) is a student organization with a focus on leadership, civic involvement, and competition. Membership is strongly suggested.

**Marketing II (2037)\*\* Grade Level: 10-12 Pre-Req: Marketing I**

Marketing II is a full-year course (when scheduled with Marketing I). The course is designed to provide students with a continued understanding of basic marketing concepts. Course topics include product development, branding, pricing, distribution, advertising, promotions, and social media marketing.

Students taking a CTE business course automatically qualify to participate in DECA. DECA (Distributive Education Clubs of America) is a student organization with a focus on leadership, civic involvement, and competition. Membership is strongly suggested.

**School Store-Student Based Enterprise (019080)\*\* Grade Level: 11-12 Pre-Req: Marketing I & II and Teacher Recommendation**

Student-Based Enterprise is a full-year course. This course functions as a hands-on retail business simulation. Students will learn retailing theory, communications, and skills in human relations. Students will apply customer relations, marketing information management, product planning, and financial skills through daily hands-on operations. Revenue generated from daily operations will be reinvested and used

to enhance student opportunities within the CTE business department of LHS.

Students taking a CTE business course automatically qualify to participate in DECA. DECA (Distributive Education Clubs of America) is a student organization with a focus on leadership, civic involvement, and competition. Membership is strongly suggested.

**Entrepreneurship (012112)\*\* Grade Level: 11-12 Pre-Req: Marketing I & II**

Entrepreneurship is a full-year course. This course is designed to introduce students to the concept of entrepreneurship. Students will acquire the knowledge of the nature and scope of entrepreneurship and understand the impact of entrepreneurship on market economies. Students will examine and develop the personal traits and behaviors fundamental to becoming a successful entrepreneur and will be exposed to the first steps of the entrepreneurial process including the development of business plans. Students will participate in activities associated with the Youth Entrepreneurship Club student organization.

Students taking a CTE business course automatically qualify to participate in DECA. DECA (Distributive Education Clubs of America) is a student organization with a focus on leadership, civic involvement, and competition. Membership is strongly suggested.

**Business Management (012031)\* Grade Level: 11-12 Pre-Req: Marketing I & II**

Business Management is a semester course. This course will provide students with an introductory level understanding of basic management concepts and leadership styles. Students will explore the history of management, ethics and social responsibility, the importance of planning and organizational strategies, global management, aspects of human resources, and leadership qualities.

Students taking a CTE business course automatically qualify to participate in DECA. DECA (Distributive Education Clubs of America) is a student organization with a focus on leadership, civic involvement, and competition. Membership is strongly suggested.

**Sports and Entertainment Marketing (3332)\* Grade Level: 11-12 Pre-Req: Marketing I & II**

Sports and Entertainment Marketing is a semester course. This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies, as well as career exploration.

Students taking a CTE business course automatically qualify to participate in DECA. DECA (Distributive Education Clubs of America) is a student organization with a focus on leadership, civic involvement, and competition. Membership is strongly suggested.

### **Co-Op Education (3332)\* or \*\* Grade Level: 12 Pre-Req: None**

Co-op is a semester course, but students may enroll for two semesters within the school year. Students who wish to enroll in the co-op program must see their counselor for an application. The application and a current copy of their EDP must be turned into their counselor. The Co-op Coordinator then meets with each employer and student to generate a work training agreement. This can often be a lengthy process. Students must regularly attend the class they wish to drop until they've signed their work training agreement. After signing their work training agreement, students should see their counselor to make a class change. If the student chooses to not attend the class they plan to replace with co-op, their co-op request will be denied. Co-op students may be required (on occasion) to attend scheduled in-person classes covering career development related topics such as interviewing, career readiness skills, and resume building.

## **NON-DEPARTMENTALIZED PROGRAMS**

### **Student Leadership (1006)\*Grades Level 10-12**

Student Leadership class is designed to develop the leadership skills and abilities of our student leaders. Throughout the semester, we will seek to refine leadership skills that are evident within our student leaders as well as challenge our leaders to hone other skills that may not have been utilized before. Organization, time management, delegation, and personal responsibility will be areas for special focus. In this course students will actively engage in Student Leadership experiences which will develop strong leadership skills that they can utilize throughout life and will be given many opportunities for personal growth and development. They will have a deeper understanding of interpersonal dynamics and increase involvement with peers, staff, school, and community.

### **Yearbook (1531) \* 1 Semester (1541) \*\* Full year Grade Level: 10 – 12**

Pre-Req for full year: Recommendation of Instructor pending application

This course provides the student with the opportunity to gain insight into the creative, mechanical, managerial and business functions relating to the production of a school yearbook. The students will perform as a team and will apply the technical skills they have learned into producing a publication on a professional scale.

### **Instructional Leadership Grade: 12**

**Overview:** A student instructional leadership opportunity within a course can be a benefit to everyone involved. For students interested in exploring education at a post-secondary institution, working with students to improve in a particular course would be a powerful experience and one that would provide career exploration and preparation. They would have the opportunity of working with a certified education professional to receive elective credit for is learning experience. In addition, educators that are

currently unable to provide individualized and differentiated instruction to large classes; an educational leader in the classroom would enable the professional educator to offer more resources to students. Finally, students in basic, entry-level, and/or remedial courses will undoubtedly benefit from the experience of having a student inspire, support, and educate them as well as provide more assistance than they would otherwise have in a classroom with a single teacher. The purpose of this experience, therefore, is to improve the quality of education for everyone involved in the process.

**Specifics:** To become an instructional leader, an upperclassman will need to have demonstrated strong rhetorical skills in their course history and receive the recommendation of a teacher for inclusion into the program. In addition, they need to have expressed a desire to explore the idea of post-secondary studies in education. They must also express a willingness to dedicate their time, knowledge, and skills unto underclassman in an effort to improve their skills in a certain content area, and overall educational performance. Interested students must complete this [application](#), get all required signatures and turn it into the counselor.

### **Student Board Representative (011009)\*\* Full Year Grade level 11-12**

The purpose of the student representatives to the Linden Community Schools Board of Education is to serve as liaison between the governing body of the School District, high school students, as well as all LCS students. Two high school student representatives, a Junior and a Senior, will serve as liaisons to the Board of Education. The student representatives will provide insight and support to the Board's understanding of student issues and perspectives. A formal [application](#) must be completed and submitted.

### **Pre-Apprenticeship (015143) \*\* Grade Level: 12 Pre-Req: Administration & CTE Coordinator approval**

Pre-Apprenticeship is a program or set of strategies that is designed to prepare students to enter and succeed in a Registered Pre-Apprenticeship Program (RAP).

## **VOCATIONAL EDUCATION PROGRAMS**

Grades 11-12 \*\* Two semesters Pre-Req: Meets minimum standards as outlined by GCI, is on track to graduate on time

### **GENESEE CAREER INSTITUTE - GCI**

This satellite program seeks to provide vocationally relevant instruction to meet the training needs of students throughout Genesee County. The institute serves 31 high schools in 21 different school districts. The institute offers a full range of instructional alternatives from the traditional to the highly technical. Juniors and seniors interested in enrolling should see their high school counselor for additional information.

**Visit GCI's website for a full list of course offerings and their descriptions.**

<https://geneseegci.ss19.sharpschool.com/Programs>

## **DUAL ENROLLMENT**

Please visit the Michigan Department of Education's site for more information pertaining to dual enrollment guidelines.

<https://www.michigan.gov/mde/services/flexible-learning/dual-enroll>

Students will earn up to .5 credits for each dual enrolled course taken. Grades earned through dual enrollment will be entered on student transcript and calculated into their G.P.A.

School districts are required to pay the lesser of: (a) the actual charge for tuition, mandatory course fees, materials fees and registration fees; or (b) the state portion of the students' foundation allowance, adjusted to the proportion of the school year they attend the postsecondary institution. Eligible charges do not include books, transportation, parking costs or most activity fees.

## **LHS EARLY MIDDLE COLLEGE (EMC)**

Linden Community Schools participates in two early/middle college opportunities for students. Both programs allow students to earn up to 60 transferable college credits through an additional fifth year of study. One program gives students an opportunity to earn enough credits for a transferable Associate of Arts degree through Mott Community College. The second program offered is the Genesee County CTE Early Middle College. This program offers students the opportunity to earn up to an associates degree in one of several vocational fields. Both programs involve an application process.

## **ONLINE CLASSES**

Students planning to take online courses should be aware of the following:

- Courses must be approved by the student's counselor and administration. Students must see their counselor for an online course application.
- Online/virtual courses will only be scheduled if a comparable class is not offered, or does not fit into the student's regular schedule.
- The online/virtual course must be completed within the semester taken. Students that do not complete the online/virtual course by the conclusion of the semester in which the course is scheduled will be required to reimburse the district for the full amount of the course.

- The grade given by the online school, or grade earned in the online class will appear on the student's transcript.

A list of available online courses can be found at <https://www.gennet.us/>

## **COURSE CHANGES**

It is imperative that students and parents are careful and thorough when selecting classes. Any changes in a student's schedule should be handled through the counseling department. A link to request changes will be opened prior to the start of each semester. For first semester only, that link will be open through the first week of school. For the second semester, all requests must be made prior to the start of the second semester. No class change requests are accepted after the link closes. The counseling department will email students and parents prior to opening the link. This email will include the deadline for entering requests. Requests for the following can be entered.

- Inappropriate academic placement
- Improper grade level placement
- Approval for Dual Enrollment
- Vocation/Technical program adjustment
- Approval for online studies
- Incomplete schedule

Please keep in mind that your counselor will not place you into a class that is full or has more students than the section you are already in.

## **TESTING OUT**

Students at Linden High School have the option of testing out of all courses. Students who wish to test out of a course should contact the counseling office for details no later than May 30th.

## **NCAA/NAIA ELIGIBILITY STANDARDS**

If your child is considering competing in a college level athletic program, please contact your child's counselor to talk about eligibility requirements.

## **CREDIT RECOVERY**

- **Summer School** (3.0 credits total)

Three credits maximum may be earned between grades nine through eleven to recover lost credits.

Restricted to 1.00 credit per year. Counselor and administrator approval. Students may not take summer school courses for advancement.

- **After School Credit Recovery** Open to all students who are credit deficient. See counselors for more details.