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Revised February 2025

## Hastings High School Mission

### Achieving Excellence Today, for Tomorrow

#### Nondiscrimination Policy

Hastings Area Schools does not discriminate on the basis of race, color, national origin, sex, disability, age, religion, height, weight, marital or family status, military status, ancestry, genetic information or any other legally protected category, (collectively, "Protected Classes"), in its programs and activities, including employment opportunities.

If you feel you have been the victim of such discrimination, please contact the district's compliance officer:

Assistant Superintendent of Achievement  
Hastings Area School System  
232 West Grand Street  
Hastings, MI 49058  
(269) 948-4400

#### DISCLAIMER

The contents of this course selection handbook represent information and procedures in place at the time of printing. Course offerings are subject to change based on availability and curriculum changes implemented after printing. Administration maintains the right to provide adjustments for clarification purposes as needed throughout the academic year.

# Schedule Corrections

Schedule corrections are only allowed up to and during the first week of each semester. Schedule corrections will be considered for the following reasons:

1. To meet graduation requirements.
2. Student has been placed in a class already completed for credit.
3. Student has been placed above or below his/her academic ability.
4. Student has been placed in a class without taking the proper prerequisite.
5. Schedule has too many classes or not enough classes.

Students requesting a schedule correction must follow the process outlined by the Counseling Office.

All schedule correction requests are considered on an individual basis. Many factors are considered such as class size limits, constraints of individual student schedules, and other educational factors as applicable.

**\*No requests for a change in lunch will be approved.**

\* Due to class size limits and schedule constraints, it is the policy of Hastings High School to not accept individual teacher requests.

## GRADUATION REQUIREMENTS ADMINISTRATIVE REGULATIONS

***The Hastings Area School System's Board of Education will conduct high school graduation ceremonies each year at the close of the second semester of the school year. Those persons who satisfactorily complete the requirements described below and on the next page have fulfilled all obligations to the Hastings Area School System and meet any legal requirements for high school graduation. They are therefore eligible to participate in the appropriate graduation ceremony and receive a diploma from the Hastings Area School System.***

1. Hastings High School students must earn 21.5 units of credit to graduate.
2. Each student must take and successfully meet all requirements of the Michigan Merit Curriculum (see next page).
3. Students are required to be enrolled in and to regularly attend six (6) classes for 8 semesters. However, students having met all graduation requirements at the end of the seventh semester may request to have the eighth semester attendance requirement waived. The request must be recommended by the high school principal and approved by the Board of Education. This request must be made to the principal prior to November 15 of the student's seventh semester.
4. The physical education requirement may be waived by the high school principal when there is evidence that a student cannot or should not take physical education.
5. Independent study students will receive a letter grade.
6. Credit will be accepted from other accredited programs in order to meet graduation requirements.
7. In order to graduate, each student must complete a State of Michigan approved assessment (examples: MME, MI-Access).
8. Deviations and modifications to the above requirements may be necessary as revisions, retractions, and amendments to state laws, rules, and regulations are adopted or reinterpreted to change the Michigan Department of Education mandated high school graduation requirements.
9. Classes taken at the Advanced Placement level will receive a weighted grade if the student follows the AP Contract rules.

## Michigan Merit Curriculum High School Graduation Requirements

### English – 4 credits

English 9	English 11
English 10	English 12

### Mathematics – 4 credits

Algebra I	Algebra II
Geometry	One math credit/course in final two years of school

\*Additional CTE Math substitutions available for Senior year Math credit; see list on page 4.

### Science – 3 credits

Physical Science	Biology	One additional science credit
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\* The one additional credit of Science can be waived with CTE program completion (regardless of CTE content).

\* Human Sustainability will be required for the class of 2029 and all students thereafter, in either their 11<sup>th</sup> or 12<sup>th</sup> grade year.

### Social Studies – 3 credits

U.S. History and Geography	0.5 credit in Economics
World History and Geography	0.5 credit in Government/Civics

\*1 cr of Social Studies (except Govt) can be substituted with additional English, Math, Science, or World Language credit, or a CTE program completion (regardless of CTE content).

### Physical Education\* & Health – 1.0 credit\*\*

0.5 cr Physical Education	0.5 cr Health Education
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\*0.5 cr Physical Education can be waived through participation in one season of sports or two seasons of marching band – approved waiver form required.

\*\*PE/Health credit can be substituted with additional English, Math, Science, or World Language credit, or a CTE program completion (regardless of CTE content).

### Visual, Performing, and Applied Arts – 1 credit

\*Credit can be substituted with additional English, Math, Science, or World Language credit, or a CTE program completion (regardless of CTE content).

### Language Other Than English – 2 credits

\*The second 1.0 credit can be substituted with CTE program completion or additional 1.0 cr visual/performing/applied arts courses.

### Personal Finance – 0.5 credit

\* Required for the class of 2028 and all students thereafter, in either their 11<sup>th</sup> or 12<sup>th</sup> grade year.

## **Courses that count for Visual/Fine/Performing Arts Credit requirement (1.0 cr needed)**

Creative Writing / Creating Writing Advanced  
Drama  
Multimedia Production (TVP)  
Speech Communications  
Yearbook / Yearbook Advanced  
All Art courses  
All Band courses  
All Choir courses  
All Agriculture courses  
All Computer Programming courses  
All Construction Trades courses  
All Culinary Arts courses  
All Cybersecurity courses  
All Engineering Design courses  
All Marketing courses  
Applicable Dual Enrollment courses

## **Courses that count for senior math credit beyond Algebra II**

*\*Must be taken senior year to count for senior math credit*

Pre-Calculus, AP Calculus  
Statistics, AP Statistics  
Agricultural Business, Natural Resources, and Leadership  
All Business Management courses  
All Computer Programming courses  
All Construction Trades courses  
All Culinary Arts courses  
All Cybersecurity courses  
All Engineering Design courses  
All Finance courses  
All Marketing courses  
Applicable Dual Enrollment courses

## **Courses that require an Interest Form**

Art Studio  
Honors and AP (Advanced Placement) courses  
Multimedia Production (TVP)  
Yearbook / Yearbook Advanced  
Construction Trades, Advanced and Capstone (2-Hour Block)  
Culinary Arts / Culinary Arts Advanced (2-Hour Block)  
Education Academy / Education Academy Advanced  
AMPED (Algebra Manufacturing Processes, Entrepreneurship & Design)  
GIC (Geometry In Construction)  
Dual Enrollment  
Work Experience

# Earning College Credit Before College

You can improve your chances of graduating on time and may even save money on college costs if you earn college credits early. There are several ways to do this. These include testing out of college classes and taking college-level classes while in high school. Talk to your counselor to find out which options for earning college credit may work for you.

## **Benefits of College-Level Study in High School**

Taking college-level classes in high school can introduce you to new academic passions and the excitement of exploring interesting subjects in depth. It can also help you:

- Learn the time-management skills, study skills and discipline you'll need in college.
- Improve your chances of getting into the college of your choice.
- Improve your chances of qualifying for scholarships.
- Free up enough time in college for you to take part in programs like study abroad or to double major.
- Graduate from college on time or early, which will save you money.

## **Take AP Courses and Exams**

The College Board's Advanced Placement Program (AP) offers college-level study in a wide range of subjects and allows you to earn college credit if you score high enough on AP Exams. AP courses stress deep learning, critical thinking and the application of knowledge.

## **Dual Enrollment**

Some high school students start their college studies while still in high school by taking day, evening or weekend classes at a local college for free. See your counselor to learn if you are eligible for program participation.

## **Early Middle College**

This structured five-year CTE program is designed for students that are at-risk, first-generation college students or students wishing to continue education with mentor support. The program is designed to allow a student to earn a high school diploma while also working towards up to 60 college credits. This program postpones graduation until grade 13. See your counselor to learn if you are eligible for program participation.

## **CTE Articulated Credit**

All CTE programs offer both high school and college credit. Each college has specific guidelines that they follow to make this possible for a student. Check with your CTE instructor for specifics.

## NEED HELP CHOOSING ELECTIVES? . . . . CAREER CLUSTERS

Career Clusters group all careers into 16 categories. Each cluster is determined by the occupational skills and knowledge necessary. Below are the 16 Career Clusters, descriptions of each cluster, and a list of Hastings High School elective/course suggestions. Along with a student's Educational Development Plan (EDP), the course suggestions are designed to guide students towards courses that best relate to each Career Cluster. The elective suggestions also help students to be exposed to career options & begin to provide students with skills & knowledge for each particular Career Cluster.

Please see the specific course pages later in this book for more information on all courses available.

### (1) AGRICULTURE, FOOD & NATURAL RESOURCES

Focuses on the production, processing, marketing, distribution, financing, and development of agricultural commodities, & resources such as food, fiber, wood products, horticulture, & more.

COURSE SUGGESTIONS: ❖ *Plant and Animal Science* ❖ *Biology*  
❖ *Chemistry* ❖ *Ag Business, Natural Resources, and Leadership*

### (2) ARCHITECTURE & CONSTRUCTION

*Careers in designing, planning, managing, building and maintaining the built environment.*

COURSE SUGGESTIONS: ❖ *Construction Trades Block* ❖ *Engineering Design*  
❖ *Art Foundations* ❖ *Residential Components* ❖ *Residential Build*

### (3) ARTS, A/V TECHNOLOGY & COMMUNICATIONS

*Designing, producing, exhibiting, writing, & publishing multimedia content including visual & performing arts & design, and journalism.*

COURSE SUGGESTIONS: ❖ *Art Foundations* ❖ *Mixed Media*  
❖ *Choir* ❖ *Yearbook/Yearbook Advanced* ❖ *Multimedia Production (TVP)*

### (4) BUSINESS MANAGEMENT & ADMINISTRATION

*Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.*

COURSE SUGGESTIONS: ❖ *Ag Business, Natural Resources and Leadership*  
❖ *Business Management* ❖ *Speech Communications* ❖ *Accounting*

### (5) EDUCATION & TRAINING

*Planning, managing and providing education and training services, and related learning support services.*

COURSE SUGGESTIONS: ❖ *Psychology* ❖ *Ed Academy*  
❖ *Speech Communications* ❖ *History Social Problems*

### (6) FINANCE

*Planning, services for financial and investment planning, banking, insurance, and business financial management.*

COURSE SUGGESTIONS: ❖ *Speech Communications* ❖ *Accounting*  
❖ *MOS Specialist Certification* ❖ *Statistics/AP Statistics*

### (7) GOVERNMENT & PUBLIC ADMINISTRATION

*Planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, and planning.*

COURSE SUGGESTIONS: ❖ *AP Government* ❖ *Criminology* ❖ *Statistics*  
❖ *U.S. Military History through Film* ❖ *History Social Problems*

### (8) HEALTH SCIENCE

*Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.*

COURSE SUGGESTIONS: ❖ *Human Anatomy & Physiology*  
❖ *AP Biology* ❖ *Biology* ❖ *AP Statistics*  
❖ *AP Psychology* ❖ *Psychology* ❖ *Statistics*

## NEED HELP CHOOSING ELECTIVES? . . . . . CAREER CLUSTERS

### (9) HOSPITALITY & TOURISM

*The management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.*

COURSE SUGGESTIONS: ❖ Culinary Arts ❖ Statistics  
❖ Spanish ❖ Marketing Management ❖ Residential Build

### (10) HUMAN SERVICES

*Preparing individuals for employment in career pathways that relate to families and human needs.*

COURSE SUGGESTIONS: ❖ Psychology ❖ Ed Academy  
❖ History Social Problems ❖ AP Psychology

### (11) INFORMATION TECHNOLOGY

*Building linkages in IT occupations for entry level, technical and professional careers related to the design, development, support and management of technical systems.*

COURSE SUGGESTIONS: ❖ Network Pro Certification ❖ Statistics  
❖ Pre-Calculus ❖ Accounting ❖ Speech Communications ❖ Cybersecurity

### (12) LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

*Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.*

COURSE SUGGESTIONS: ❖ Criminology ❖ History Social Problems  
❖ Forensics ❖ Psychology ❖ Cybersecurity

### (13) MANUFACTURING

*Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities.*

COURSE SUGGESTIONS: ❖ Residential Components ❖ Residential Build  
❖ Mixed Media ❖ Construction Trades ❖ Engineering Design  
❖ Advanced Engineering Design

### (14) MARKETING

*Planning, managing and performing marketing activities to reach organizational objectives.*

COURSE SUGGESTIONS: ❖ Business Management ❖ Marketing Management  
❖ Art Foundations ❖ Creative Writing ❖ Yearbook

### (15) SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

*Planning, managing and providing scientific research and professional and technical services.*

COURSE SUGGESTIONS: ❖ AP Environmental Science ❖ AP Biology  
❖ Engineering Design ❖ Advanced Engineering Design  
❖ AP Statistics ❖ AP Calculus

### (16) TRANSPORTATION, DISTRIBUTION & LOGISTICS

*Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services.*

COURSE SUGGESTIONS: ❖ Engineering Design ❖ Engineering Design  
❖ Business Management ❖ Residential Build ❖ Residential Components

## Sample 4-Year Plan *Students must use elective spots to take the rest of their graduation requirements*

**\*Course can be taken either semester**

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
English 9 A	English 9 B	English 10 A	English 10 B	English 11 A	English 11 B	English 12 A	English 12 B
Algebra I A	Algebra I B	Geometry A	Geometry B	Algebra II A	Algebra II B	Senior Math	Senior Math
U.S. History & Geography A	U.S. History & Geography B	World History & Geography A	World History & Geography B	*Economics	*Government	Elective	Elective
Physical Science A	Physical Science B	Biology A	Biology B	Science Elective	Science Elective	Elective	Elective
Elective	Elective	Elective	Elective	Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective	Elective	Elective	Elective	Elective

## Create Your Own 4-Year Plan *Most electives cannot be planned for a specific semester*

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2



# HASTINGS HIGH SCHOOL TESTING OUT POLICY

Hastings High School students may opt to *test out* of high school classes. Students successfully *testing out* will receive credit equivalent to the credit earned by students enrolled in the course but will not receive a letter grade. *Testing out* of a course will not affect a student's grade point average either positively or negatively and, if the student passes, will only be reflected on a transcript as a Credit, "CR." In order to *test out* of a course, a student must pass the comprehensive final exam or other cumulative assessment with a minimum of 77.5%. These exams or assessments will be administered twice per year - a designated day in August and December (please check with the Counseling Office to arrange the dates each school year). Students must complete a form to secure approval.

## **Credit Awarded to Pupil Not Enrolled in Course**

380.1279(b) The board of a school district shall grant high school credit in any course to a pupil enrolled in high school, but who is not enrolled in the course, who has exhibited a reasonable level of mastery of the subject matter of the course by attaining a grade of not less than C+ in a final exam in the course, or, if there is not a final exam, by exhibiting that mastery through the basis assessment used in the course which may consist of a portfolio, performance, paper, project, or presentation. For the purpose of earning credit under this section, any high school pupil may take the final examination in any course. Credit earned under this section shall be based on a "pass" grade and shall not be included in a computation of grade point average for any purpose. Credit earned under this section may or may not be counted toward graduation, as the board of the school district may determine, but the board's determination shall apply equally to all such credit for all pupils and credit earned under this section shall be counted toward fulfillment of a requirement for a subject area course and shall be counted toward fulfillment of a requirement as to course sequence. Once credit is earned under this section, a pupil may not receive credit thereafter for a course lower in course sequence concerning the same subject area.

**History:** Add.1993, Act 335, Imd.Eff.Dec.31, 1993 **Popular Name:** Act 451

1. *Testing out* will occur twice per year; during one day in August and December.
2. In order to earn credit, a student must pass the comprehensive final exam with minimum of 77.5%.
3. Students must get approval prior to attempting to *test out* of a course.
4. Attempting to *test out* of a course will neither positively nor negatively affect a student's Grade Point Average (either weighted or unweighted).
5. Students who successfully *test out* of a course will be awarded Credit "CR" on their transcript as well as 0.5 credit towards graduation.
6. Students may NOT attempt to *test out* of the same course more than once.
7. Students MAY *test out* of a course that they are currently enrolled in but must inquire and be approved to do so a minimum of 4 weeks before the semester exam period.
8. The school must provide the class syllabus and the class textbook (or other materials).

# ENGLISH

## ENGLISH 9 A / B

9

1 year; 1 credit

Curriculum is informed and based on the Common Core State Standards in reading, writing, speaking, listening, and viewing. Students will work towards proficiency skills in the reading and interpreting of literature, personal memoir, film, informational texts, and an introduction to research. Instruction will be relevant in today's rapidly changing world and will encourage students to develop effective communication and literacy skills through challenging and engaging learning experiences. The class will supplement Common Core curriculum with material from College Board's Pre AP program. This rigorous and scaffolded Pre AP program focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' success in later high school and college coursework.

**PREREQUISITE:** None.

*GHE0900111 ENGLISH 9 A - GHE0900112 ENGLISH 9 B*

## ENGLISH HONORS 9 A / B

9

1 year; 1 credit

Curriculum will center on the skills from the Common Core State Standards. Instruction will be relevant in today's rapidly changing world and will encourage students to develop effective communication and literacy skills through challenging and engaging learning experiences. The units of study include direct instruction of: classical text characteristics and features; reading and writing strategies which highlight the import of the spelling and grammar conventions of standard English; speaking and listening skills through Socratic seminar; and ongoing literacy development through domain-specific vocabulary. Additional units of study will include Greek and Latin prefixes and roots, oral presentations, a 5–7-page research paper, MLA formatting and required outside reading of assigned novels. The class will supplement Common Core curriculum with material from College Board's Pre AP program. This rigorous and scaffolded Pre AP program focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' success in later high school and college coursework.

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.

*GHE0900711 ENGLISH HONORS 9 A - GHE0900712 ENGLISH HONORS 9 B*

## ENGLISH 10 A / B

10

1 year; 1 credit

Curriculum is informed and based on the Common Core State Standards in reading, writing, speaking, listening, and viewing. Students will further their proficiency skills in the reading and interpreting of literature, world literature, creative non-fiction, film, informational texts, and build rhetoric and further research skills. Instruction will be relevant in today's rapidly changing world and will encourage students to develop effective communication and literacy skills through challenging and engaging learning experiences. The class will supplement Common Core curriculum with material from College Board's Pre AP program. This rigorous and scaffolded Pre AP program focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' success in later high school and college coursework.

**PREREQUISITE:** English 9 A & B.

*GHE1000111 ENGLISH 10 A - GHE1000112 ENGLISH 10 B*

## ENGLISH HONORS 10 A / B

10

1 year; 1 credit

This is an honors course designed to prepare students for success on the mandatory state testing given their Junior year. Through the study of skills from the Common Core State Standards, student will further their proficiency skills in the reading and interpreting of literature and non-fiction. The writing assignments that are required in each unit of study, including research skills, will be analytical or argumentative in nature. The class will also emphasize vocabulary-building and grammar necessary to improve writing proficiency. Both semester exams will consist of a College Board-style test that will measure various aspects of the Common Core Curriculum. This class will require outside reading of assigned novels. The class will supplement Common Core curriculum with material from College Board's Pre AP program. This rigorous and scaffolded Pre AP program focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' success in later high school and college coursework.

**PREREQUISITE:** English Honors 9 A & B. Students must submit a completed Interest Form, available in the Counseling Department.

*GHE1000711 ENGLISH HONORS 10 A - GHE1000712 ENGLISH HONORS 10 B*

## ENGLISH 11 A / B

11

1 year; 1 credit

Curriculum will center on skills from the Common Core State Standards which encourage students to examine and evaluate their thought processes in the different situations to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. Students will be studying a variety of genres and exploring how that literature relates to several themes; students will also be developing their ability to respond critically to literature and take a stand to support their ideas and opinions. In addition to literature and vocabulary, a variety of writing styles will be studied, along with a review of grammatical rules. In depth SAT preparation will also help the student prepare for the Michigan Merit Examination, to be taken in the spring of the junior year. Students will also write an in-depth research paper.

**PREREQUISITE:** English 10 A & B.

*GHE1100111 ENGLISH 11 A - GHE1100112 ENGLISH 11 B*

**AP ENGLISH LANGUAGE & COMPOSITION A / B****11****1 year; 1 credit**

Curriculum will center on the skills from the Common Core State Standards and the College Board Advanced Placement Language and Composition Exam. Students will have the opportunity to take the College Board Exam in the spring. With this comes a possibility of earning college credit. In this course, students write extensive in-class expository essays that are analytical and argumentative in nature. This AP Language and Composition course teaches the critical reading and writing skills that enable students to accurately decipher even a heavily coded text. Students are trained to recognize rhetorical strategies, to look at a writer's audience and purpose, and to think deeply about a variety of worldviews through the reading of exemplary prose examples and exemplary authors.

**PREREQUISITE:** English Honors 10 A & B. Students must submit a completed Interest Form, available in the Counseling Department.

GHE9920611 AP ENGLISH LANGUAGE & COMPOSITION A - GHE9920612 AP ENGLISH LANGUAGE & COMPOSITION B

**ENGLISH 12 A / B****12****1 year; 1 credit**

Curriculum will center on essential components from the Common Core State Standards. The goal for English 12 is to refine, apply, and extend the solid foundation of knowledge, skills, and strategies developed in English 9 through 11. English 12 students will continue to develop reading and vocabulary acquisition skills through the study of European poetry, plays and novels as well as informational texts focused on global and national current events. In addition to building reading strategies and stamina for college, students will explore the various types of college level writing by writing in response to literature as well as professional writing to prepare for post-secondary opportunities, including short stories and the study of the graphic novel. Students in English 12 will improve their speaking and listening skills through frequent seminars on literature and current events. This course will feature a comprehensive skills-based exam both semesters.

**PREREQUISITE:** English 11 A & B.

GHE1200111 ENGLISH 12 A - GHE1200112 ENGLISH 12 B

**AP ENGLISH LITERATURE & COMPOSITION A / B****12****1 year; 1 credit**

The curriculum will center on the skills from the Common Core State Standards. This course is designed for the college bound student in preparation for the College Board Advanced Placement Literature and Composition Exam. In this course, students will study and analyze both classic and modern American, British and world literature from a thematic and stylistic approach. Students write extensive in-class expository essays on the works studied and works related to the AP Exam. Only the serious academic student should take this course. There is also required summer reading for this course. This course meets all requirements set forth by the College Board to be designated as AP level.

**PREREQUISITE:** AP English Language & Composition A & B. Students must submit a completed Interest Form, available in the Counseling Department.

GHE9925611 AP ENGLISH LITERATURE & COMPOSITION A - GHE9925612 AP ENGLISH LITERATURE & COMPOSITION B

**ELECTIVES****DRAMA****9-12****1 sem.; ½ cr.**

This course offers a broad look at drama and acting as a whole. Through films, television episodes, live performances, and music, this class will explore how each genre of drama is created from the perspective of the writers, directors, choreographers, cinematographers, and most importantly the actors. This class requires analysis of films, television shows, and live productions, discussion of terms and how they are seen within each genre, and occasionally creative projects and acting. **Counts towards**

**Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** None.

GHE9910115 DRAMA

**CREATIVE WRITING****10-12****1 sem.; ½ cr.**

This course will give students of all abilities guided practice and experience in writing various creative writing genres which may include: poetry; short story, fairy tale, mystery, creative non-fiction, and chapbook. Students will also be trained in peer-critiquing skills and use that conferencing to empower global revision and their writing as a process. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** None.

GHE9905115 CREATIVE WRITING

**CREATIVE WRITING ADVANCED****10-12****1 sem.; ½ cr.**

This course will be a continuation of Creative Writing and will provide students additional opportunities to create original work in various creative writing genres which may include: poetry, short story, fairy tale, mystery, creative non-fiction, drama (including play and screenplay), chapbook and novel/novella. Students will continue to hone their peer-critiquing skills and use that conferencing to empower global revision and their writing as a process. Student will keep a journal of their writing process. Students will also be expected to pursue publication by submitting at least one piece of their writing outside of Hastings High School. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** Creative Writing.

GHE9905515 CREATIVE WRITING ADVANCED

**SPEECH COMMUNICATIONS****10-12****1 sem.; ½ cr.**

This course is a one semester elective designed as an introduction to speech communication, which emphasizes the practical skill of public speaking, including techniques to lessen speaker anxiety, and the use of visual aids to enhance speaker presentations. Civility and ethical speech-making are the foundations of this course. Its goal is to prepare students for success in typical public speaking situations and to provide them with the basic principles of organization and research needed to prepare effective speeches. This course is heavily performance based, and students will present numerous speeches throughout the semester. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** None.GHE9930115 SPEECH COMMUNICATIONS**FILM AS LITERATURE****10-12****1 sem.; ½ cr.**

Film As Literature, a one-semester elective, will introduce students to the art of film viewing and analysis. The course will examine various genres and their characteristics. It will also focus on learning the vocabulary of dramatic and cinematic techniques. This will allow students to express their understanding of films by responding both critically and analytically in writing and discussion. This course will also help students develop their viewing and evaluation skills.

**PREREQUISITE:** English 9 A & B.GHE9915115 FILM AS LITERATURE**YEARBOOK A / B****10-12****1 year; 1 credit**

This course will introduce students to the aspects of yearbook and newspaper production. Students will be advised in and responsible for all of the following: layout and design, photography, the literary development of non-fiction stories and captions, and business elements; the financial responsibilities of yearbook/newspaper production including sales, advertisement sales and fundraising. Grades will be impacted by students' timely page completion and participation in daily activities. Students should have experience with the use of computers, digital cameras and word processing. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.GHZ9945111 YEARBOOK A - GHZ9945112 YEARBOOK B**YEARBOOK ADVANCED A / B****11-12****1 year; 1 credit**

Students taking Yearbook Advanced will be expected to meet the same requirements as students in Yearbook, such as page production, photography, journalistic elements and sales. However, Yearbook Advanced students will have more responsibility in the decision-making process of production and for managing the work of Yearbook students. Grades will be impacted based on the same criteria as Yearbook. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** Yearbook A & B. Students must submit a completed Interest Form, available in the Counseling Department.GHZ9945511 YEARBOOK ADVANCED A - GHZ9945512 YEARBOOK ADVANCED B

**AP Capstone Program – Students taking the sequence of AP Seminar and AP Research and earning a 3 or higher on each AP exam, along with passing 4 other AP courses at some point in high school, will earn the distinction of AP Capstone Scholar.**

**AP SEMINAR A / B****10-12****1 year; 1 credit**

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.GHE9940611 AP SEMINAR A - GHE9940612 AP SEMINAR B**AP RESEARCH A / B****11-12****1 year; 1 credit**

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

**PREREQUISITE:** AP Seminar A & B. Students must submit a completed Interest Form, available in the Counseling Department.GHE9935611 AP RESEARCH A - GHE9935612 AP RESEARCH B

# FOREIGN LANGUAGE

## **SPANISH I A / B**

**9-12**

**1 year; 1 credit**

Spanish I is an introductory course designed to begin the Michigan Merit Curriculum requirement of two years of World Language study. It is aligned with the State of Michigan Content Standards with the goal of helping students begin to communicate effectively in Spanish about familiar topics related to self, home, family, friends, neighborhood, school, community, professions, and environment. Students will acquire a sizeable active vocabulary and a larger recognition vocabulary allowing them to speak, write and understand basic Spanish. Students will learn about the culture, products and perspectives of many Spanish-speaking countries giving them a more global perspective.

**PREREQUISITE:** None.

*GHL2001111 SPANISH I A - GHL2001112 SPANISH I B*

## **SPANISH II A / B**

**10-12**

**1 year; 1 credit**

Spanish II is the second sequential course designed to complete the Michigan Merit Curriculum requirement of two years of World Language study. Students will continue to develop cultural understanding with a focus on effective communication in Spanish, both spoken and written. A heavy emphasis is placed on reading and storytelling throughout the year to facilitate acquisition through comprehensible input. This course is aligned with the State of Michigan Content Standards and will be moderately paced, allowing ample time for practice and integration of new skills.

**PREREQUISITE:** Spanish I A & B.

*GHL2002111 SPANISH II A - GHL2002112 SPANISH II B*

## **SPANISH III A / B**

**11-12**

**1 year; 1 credit**

Spanish III is the third sequential course designed to further develop and strengthen the student's ability to read and communicate in Spanish. The majority of the class is conducted in Spanish and the materials used are almost entirely in Spanish. Through the continued emphasis on reading and storytelling, students will proceed to communicate in the target language at a more advanced level.

**PREREQUISITE:** Spanish II A & B with a grade of "C" or better or teacher recommendation.

*GHL2003111 SPANISH III A - GHL2003112 SPANISH III B*

## **SPANISH IV A / B**

**11-12**

**1 year; 1 credit**

Spanish IV is the completion of the sequence of courses designed to develop the student's ability to communicate effectively in Spanish. The culminating goal of this course is also to prepare students for college placement exams in Spanish. The coursework includes the continuation of grammar study, vocabulary building, and mastery of verb tenses necessary for communication in Spanish at an advanced level. Students will read authentic materials on a range of topics aligned with the standards of an AP Spanish course. Other projects and assignments will be planned according to the special interest of the students.

**PREREQUISITE:** Spanish III A & B with a grade of "B" or better or instructor's permission.

*GHL2004111 SPANISH IV A - GHL2004112 SPANISH IV B*

# MATHEMATICS

As a modern tool of mathematics, calculator usage will be encouraged and may be required in some advanced classes.

## **PRE-ALGEBRA A / B**

**9**

**1 year; 1 credit**

This course is designed to provide additional assistance with Algebra I foundational skills. Topics to be covered include Pre-Algebra and Algebra I concepts, and will be tailored to the needs of each group.

**PREREQUISITE:** Teacher Recommendation Only.

*GHM0900011 PRE-ALGEBRA A - GHM0900012 PRE-ALGEBRA B*

## **ALGEBRA I A / I B**

**9**

**1 year; 1 credit**

This is a college preparatory course. This course will include the following topics: sequences, equation solving, systems of equations, inequalities, polynomials and factoring, and families of functions including linear, quadratic, exponential. Basic statistics will be included. This course is designed to meet the Michigan Merit Curriculum requirements for Algebra I.

**PREREQUISITE:** None.

*GHM0910111 ALGEBRA I A - GHM0910112 ALGEBRA I B*

## **ALGEBRA I HONORS A / B**

**9**

**1 year; 1 credit**

This is the first course in a structured series for aspiring math and science majors designed to give an intense and comprehensive study of algebraic concepts. This course will stress math terms and theory, equation solving and systems of equations, inequalities, polynomials and factoring, and families of functions including linear, quadratic, exponential. Basic statistics will be included. This course is designed to meet the Michigan Merit Curriculum requirements for Algebra I.

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.

*GHM0910711 ALGEBRA I HONORS A - GHM0910712 ALGEBRA I HONORS B*

**GEOMETRY A / B****10-12****1 year; 1 credit**

This is a college preparatory course. This course will cover basic geometric concepts as well as topics on triangle trigonometry, congruence, similarity, parallel lines and planes, quadrilaterals, circles, area and volume, transformations, and basic statistics and probability. Informal proof will be emphasized throughout the course and formal proof will be introduced. This course is designed to meet the Michigan Merit Curriculum for Geometry.

**PREREQUISITE:** Algebra I A & B or Algebra I Honors A & B.

*GHM1000111 GEOMETRY A - GHM1000112 GEOMETRY B*

**GEOMETRY HONORS A / B****9-11****1 year; 1 credit**

This is the second course in a structured series for aspiring math and science majors designed to give an intense and comprehensive study of geometric concepts. This course will cover basic geometric concepts as well as topics on triangle trigonometry, congruence, similarity, parallel lines and planes, quadrilaterals, circles, area and volume, and transformations. Both formal and informal proof will be integrated throughout the course. This course is designed to meet the Michigan Merit Curriculum requirements in Geometry.

**PREREQUISITE:** Algebra I Honors A & B. Students must submit a completed Interest Form, available in the Counseling Department.

*GHM1000711 GEOMETRY HONORS A - GHM1000712 GEOMETRY HONORS B*

**ALGEBRA II A / B****11-12****1 year; 1 credit**

This course uses the skills obtained in Algebra and Geometry, beginning with an extensive review of linear and quadratic functions. It will stress math terms, complex numbers, sequences and series, trigonometric functions, exponential and logarithmic functions, rational functions, statistics, probability including the normal distribution, counting principles including combinations and permutations, and data collection and analysis. This course is designed to meet the Michigan Merit Curriculum requirements for Algebra II.

**PREREQUISITE:** Geometry A & B or Geometry Honors A & B.

*GHM0920111 ALGEBRA II A - GHM0920112 ALGEBRA II B*

**ALGEBRA II HONORS A / B****10-12****1 year; 1 credit**

This is the third course in a structured series for aspiring math and science majors designed to give an intense and comprehensive study of algebraic concepts. This course will stress math terms, complex numbers, sequences and series, trigonometric functions, exponential and logarithmic functions, rational functions, statistics, probability including the normal distribution, counting principles including combinations and permutations, and data collection and analysis. This course is designed to meet the Michigan Merit Curriculum requirements for Algebra II.

**PREREQUISITE:** Geometry Honors A & B. Students must submit a completed Interest Form, available in the Counseling Department.

*GHM0920711 ALGEBRA II HONORS A - GHM0920712 ALGEBRA II HONORS B*

**ALGEBRA II A YEARLONG A / B****11****1 year; 1 credit**

Students who register for this course are making a 2 year commitment to complete the Algebra II curriculum. This course uses the skills obtained in Algebra and Geometry. It includes a review of the real numbers and their properties, linear functions, quadratic functions, language of relations and functions, and systems of equations; these topics will be extended further in this course. New topics include polynomial functions. This course, combined with Algebra II B, is designed to meet the Michigan Merit Curriculum requirements for Algebra II.

**PREREQUISITE:** Teacher Recommendation only.

*GHM0925911 ALGEBRA II A YEARLONG A - GHM0925912 ALGEBRA II A YEARLONG B*

**ALGEBRA II B YEARLONG A / B****12****1 year; 1 credit**

This course uses the skills obtained in Algebra II A and completes the Algebra II curriculum. New topics include sequences and series, rational functions, exponential functions, matrices, logarithmic functions and trigonometry, data analysis and counting and probability. This course, combined with Algebra II A, is designed to meet the Michigan Merit Curriculum requirements for Algebra II.

**PREREQUISITE:** Algebra II A Yearlong A & B.

*GHM0926911 ALGEBRA II B YEARLONG A - GHM0926912 ALGEBRA II B YEARLONG B*

**STATISTICS A / B****11-12****1 year; 1 credit**

This introductory course focuses on descriptive statistics and probability. Some of the topics covered are frequency distributions, measures of central tendency and variation, counting techniques using permutation and combination, rules of probability, probability distributions, normal distributions and sampling. Students with an interest in business, the sciences, the professions, as well as mathematics, will find this course a means of better interpreting the statistical data they will encounter in these areas.

**PREREQUISITE:** Geometry A & B or Geometry Honors A & B.

*GHM9910111 STATISTICS A - GHM9910112 STATISTICS B*

**AP STATISTICS A / B****11-12****1 year; 1 credit**

This class will follow the Advanced Placement statistics curriculum. The four major topics of the course will be Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. The connections between these topics will be

emphasized. Graphing calculators with statistics packages will be integrated into the course.

**PREREQUISITE:** Algebra II Honors A & B or Algebra II A & B. Students must submit a completed Interest Form, available in the Counseling Department.

*GHM9910611 AP STATISTICS A - GHM9910612 AP STATISTICS B*

### **PRE-CALCULUS A / B**

**11-12**

**1 year; 1 credit**

This is the fourth course in a structured series for math and science majors designed to give the student an intense and comprehensive study of advanced algebraic and pre-calculus concepts. This course emphasizes a functional approach to mathematics with the study of polynomial, rational, exponential, logarithmic and trigonometric functions. Trigonometry is extended from the triangle to the plane and circle; conic sections and matrices are new topics also. Sequences and series are reviewed. Functional limits may be included if time permits.

**PREREQUISITE:** Algebra II Honors A & B.

*GHM9905111 PRE-CALCULUS A - GHM9905112 PRE-CALCULUS B*

### **AP CALCULUS A / B**

**12**

**1 year; 1 credit**

Calculus is a course in introductory calculus with elementary functions. It is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, axiomatic geometry, trigonometry, and analytic geometry.

**PREREQUISITE:** Pre-Calculus A & B. Students must submit a completed Interest Form, available in the Counseling Department.

*GHM9905611 AP CALCULUS A - GHM9905612 AP CALCULUS B*

## **SCIENCE**

### **PHYSICAL SCIENCE A / B**

**9-12**

**1 year; 1 credit**

Physical Science is an introductory course that covers the NGSS Standards relating to basic concepts of Physics and Chemistry. Freshmen will benefit by taking this course as an introduction to high school science concepts, such as basic measurement, numerical analysis, concepts in mechanics, material properties, safe chemical handling/reactions, energy, atomic structure/bonding, chemical equilibrium, geology, and fundamental problem-solving skills.

**PREREQUISITE:** None.

*GHS3500111 PHYSICAL SCIENCE A - GHS3500112 PHYSICAL SCIENCE B*

### **BIOLOGY A / B**

**10-12**

**1 year; 1 credit**

Biology is a sequential, year-long course intended to develop understanding of key concepts that help students make sense of life science. The ideas are building upon students' science understanding of disciplinary core ideas, science and engineering practices, and crosscutting concepts from earlier grades. The five life science topics to be covered will include: 1) Structure and Function, 2) Inheritance and Variation of Traits, 3) Matter and Energy in Organisms and Ecosystems, 4) Interdependent Relationships in Ecosystems, and 5) Natural Selection and Evolution. Students will improve scientific inquiry skills, benefit from reflection practices, and realize the social implications of biological science on society. The performance expectations of this course are aligned with the State of Michigan Next Generation Science Standards (NGSS).

**PREREQUISITE:** 10th grade and above only.

*GHS2000111 BIOLOGY A - GHS2000112 BIOLOGY B*

### **BIOLOGY HONORS A / B**

**10-12**

**1 year; 1 credit**

This course is more rigorous than Biology, focusing on mastery of the fundamental concepts of life. Honors Biology is a sequential, year-long course intended to develop understanding of key concepts that help students make sense of life science. The ideas are building upon students' science understanding of disciplinary core ideas, science and engineering practices, and crosscutting concepts from earlier grades. The five life science topics to be covered will include: 1) Structure and Function, 2) Inheritance and Variation of Traits, 3) Matter and Energy in Organisms and Ecosystems, 4) Interdependent Relationships in Ecosystems, and 5) Natural Selection and Evolution. Students will improve scientific inquiry skills, benefit from reflection practices, and realize the social implications of biological science on society through the use of case studies and other methods. The performance expectations of this course are aligned with the State of Michigan Next Generation Science Standards (NGSS). There will be increased emphasis on writing Scientific papers and reports. Honors Biology will also provide an introduction to some topics taught in AP Biology.

**PREREQUISITE:** Physical Science A & B. Students must submit a completed Interest Form, available in the Counseling Department.

*GHS2000711 BIOLOGY HONORS A - GHS2000712 BIOLOGY HONORS B*

### **AP BIOLOGY A / B**

**11-12**

**1 year; 1 credit**

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by science majors during their first year. After showing themselves to be qualified on the AP Examination (the "boards"), some students, as college freshmen, are permitted to undertake upper-level courses in biology or to register for courses for which biology is a prerequisite. Other students may have fulfilled a basic requirement for a laboratory-science course and will be able to undertake other courses to pursue their specific major. Both results would save a student time and money in the pursuit of their degree. AP Biology will include those topics regularly covered in a college biology course for majors or in the syllabus from a high-quality college program in introductory biology. The college course in biology differs significantly from a basic high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by

students, and the time and effort required of students. The textbook used for AP Biology will be one also used by college biology majors. The kinds of labs done by AP students will be the equivalent of those done by college students. AP Biology aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

**PREREQUISITE:** Biology A & B or Biology Honors A & B. Students must submit a completed Interest Form, available in the Counseling Department.

GHS2000611 AP BIOLOGY A - GHS2000612 AP BIOLOGY B

## **PHYSICS A / B**

**11-12**

**1 year; 1 credit**

This course will involve the concepts as well as the mathematics that govern the physical surroundings of our world and our universe. Included will be demonstrations and labs to reinforce these concepts. Topics explored through lab and lectures in General Physics include force and motion, work and energy, collisions, rotation, electricity, optics and waves. This course is designed to provide the student with a solid background in Physics while meeting basic state standards.

**PREREQUISITE:** Physical Science A & B, Biology A & B, and Algebra I A & B. Algebra II enrollment or completion recommended.

GHS3000111 PHYSICS A - GHS3000112 PHYSICS B

## **CHEMISTRY A / B**

**11-12**

**1 year; 1 credit**

Chemistry is an advanced preparatory course for the student who will major in subjects that will likely require at least one chemistry course at the college or university level. Students taking this course will be thoroughly prepared for first year chemistry course of a four-year college/university. Some topics covered will include chemical reactions, stoichiometry, bonding, spectroscopy, gas laws, acid-base chemistry, oxidation-reduction chemistry, science lab skill development, problem solving, and the rest of the required NGSS objectives as well.

**PREREQUISITE:** Physical Science A & B, Biology A & B, and Algebra I A & B. Algebra II enrollment or completion recommended.

GHS2500111 CHEMISTRY A - GHS2500112 CHEMISTRY B

## **AP CHEMISTRY A / B**

**11-12**

**1 year; 1 credit**

A full-year study of chemistry equivalent to college level. The course is designed to meet all College Board requirements for advanced placement. Skills incorporated will include fundamental laboratory safety and procedures. Major themes covered include: structure and states of matter, reactions, stoichiometry, equilibrium, kinetics, thermodynamics, and more. Students who successfully complete all of the full-year course are eligible to take the Advanced Placement Chemistry exam for college credit.

**\*This class will be offered during school years beginning with an even number (2026, 2028, etc.)**

**PREREQUISITE:** Chemistry A & B. Students must submit a completed Interest Form, available in the Counseling Department.

GHS2500611 AP CHEMISTRY A - GHS2500612 AP CHEMISTRY B

## **FORESTRY STUDIES**

**11-12**

**1 sem.; ½ cr.**

If you are interested in a classroom without four walls, then this course is for you. If you are interested in learning more about the outdoors, trees, moss, lichen, fungi, and the animals that live in the forest, then this course is for you. If you are interested in a future that involves working outdoors, then this course is for YOU. In Forestry Studies, students will understand the importance of a forest ecosystem, be able to identify threats and solutions to the forest ecosystem, and be able to identify flora (plants) and fauna (animals) in a forest ecosystem. They will gain an appreciation for the environments that we live in and build their curiosity and creativity in nature. Forestry Studies is an environmental class that aligns with the Michigan K-12 Next Generation Science Standards.

**PREREQUISITE:** Physical Science A & B, and Biology A & B or Biology Honors A & B.

GHZ9915115 FORESTRY STUDIES

## **WETLAND STUDIES**

**11-12**

**1 sem.; ½ cr.**

If you aren't afraid of getting your feet wet in a classroom without four walls, then this course is for you. If you are interested in learning more about the wetlands, rivers, streams, water quality, and the animals that live in and around water, then this course is for you. If you are interested in a future that involves working outdoors and near water, then this course is for YOU. In Wetland Studies, students will understand the importance of a wetland ecosystem, be able to identify threats and solutions to the wetland ecosystem, and be able to identify flora (plants) and fauna (animals) in a wetland ecosystem. They will gain an appreciation for the environments that we live in and build their curiosity and creativity in nature. Wetland Studies is an environmental class that aligns with the Michigan K-12 Next Generation Science Standards.

**PREREQUISITE:** Physical Science A & B, and Biology A & B or Biology Honors A & B.

GHZ9920115 WETLAND STUDIES

## **AP ENVIRONMENTAL SCIENCE A / B**

**11-12**

**1 year.; 1 credit**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. **\*This class will be offered during school years beginning with an odd number (2025, 2027, etc.)**

**PREREQUISITE:** Biology A & B or Biology Honors A & B required. Students must submit a completed Interest Form, available in the Counseling Department.

GHS9910611 AP ENVIRONMENTAL SCIENCE A - GHS9910612 AP ENVIRONMENTAL SCIENCE B



**ASTRONOMY****10-12****1 sem.; ½ cr.**

Astronomy is the study of the known universe. This course is a scientific exploration of the human place in the universe. We study the origin and history of the Universe and the formation of the Earth and the solar system. We compare the Earth's properties with those of the other planets and explore how the heavens have influenced human thought and action. This course includes study of the properties of light and matter and the tools astronomers use to measure radiation from celestial sources. The course also covers exciting contemporary topics such as black holes, the expansion of the universe and the search for extraterrestrial life. Although largely descriptive, the course will occasionally require the use of basic mathematic skills.

**PREREQUISITE:** Physical Science A & B.

GHS9905115 ASTRONOMY

**EARTH SCIENCE****10-12****1 sem.; ½ cr.**

Earth Science is a course designed to explore content related to earth processes such as earthquakes, plate tectonics, volcanic eruptions, and mountain building, as well as the following content involving oceanography; rocks, minerals, and fossils; wind and water erosion; atmosphere and weather; and environmental geology.

**PREREQUISITE:** None.

GHS9945115 EARTH SCIENCE

**FORENSIC SCIENCES****11-12****1 sem.; ½ cr.**

Forensic Science is the application of science (chemistry, physics, and biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes the investigation of fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, poisons, drugs, blood spatters, and blood samples. Students are taught the proper collection, preservation, and laboratory analysis of various samples. Forensic Science combines biology, chemistry, and physics concepts together into an inquiry oriented, interdisciplinary course.

**PREREQUISITE:** Physical Science A & B, and Biology A & B or Biology Honors A & B.

GHS9925115 FORENSIC SCIENCES

**HUMAN ANATOMY AND PHYSIOLOGY A****11-12****1 sem.; ½ cr**

Human Anatomy and Physiology A is a semester long course that is designed to offer supplemental reinforcement of Michigan Content for the Next Generation Science Standards (NGSS) as well as providing students with an introduction to information that may be covered in post-secondary medical and science courses. *Students who are interested in the medical field are encouraged to take this course.* Human Anatomy and Physiology A is a semester long course designed to offer exposure to, but not limited to, the following topics: human organization, homeostasis, anatomical terminology, tissues, integumentary system, skeletal system and joints, muscular system, nervous system, special senses, and endocrine system, as well as how the systems interact. Information on this course will be presented in the form of notes, worksheets, and diagrams, as well as hands-on activities, internet activities, and other computer-related resources. Labs may be performed when appropriate and/or reasonable.

**PREREQUISITE:** Physical Science A & B, and Biology A & B or Biology Honors A & B.

GHS9930111 HUMAN ANATOMY AND PHYSIOLOGY A

**HUMAN ANATOMY AND PHYSIOLOGY B****11-12****1 sem.; ½ cr.**

Human Anatomy and Physiology B is a semester long course that is designed to offer supplemental reinforcement of Michigan Content for the Next Generation Science Standards (NGSS) as well as providing students with an introduction to information that may be covered in post-secondary medical and science courses. *Students who are interested in the medical field are encouraged to take this course.* This course is designed as a continuation of Human Anatomy and Physiology A and will focus on, but is not limited to, blood, the cardiovascular system, the lymphatic and immune systems, the respiratory system, the digestive system, metabolism and nutrition, the urinary system, and the reproductive system.

**PREREQUISITE:** Physical Science A & B, and Biology A & B or Biology Honors A & B. Completion of Human Anatomy and Physiology A strongly recommended.

GHS9930112 HUMAN ANATOMY AND PHYSIOLOGY B

**HUMAN SUSTAINABILITY****11-12****1 sem.; ½ cr.**

Human Sustainability is the capstone science course that has students apply scientific principles to real-world issues. It includes the investigation of climate change, humans' role in changing the environment, and the role people can play in combating climate change. This capstone course is required for any class of 2029 and future students to complete their science requirements.

**PREREQUISITE:** Physical Science A & B, and Biology A & B or Biology Honors A & B.

GHS9940115 HUMAN SUSTAINABILITY

## **SOCIAL STUDIES**

**U.S. HISTORY AND GEOGRAPHY A****9****1 sem.; ½ cr.**

**(1877 – New Deal)** This course will begin with Post-Reconstruction and end with the Great Depression. Emphasis throughout the course will be on major social, geographical, economic, and political trends in American history.

**PREREQUISITE:** None.

GHG2000111 U.S. HISTORY AND GEOGRAPHY A

**U.S. HISTORY AND GEOGRAPHY B****9****1 sem.; ½ cr.**

**(WWII-Present)** This course begins with World War II and ends with the study of current history-making events. Emphasis throughout the course will be on major social, geographical, economic, and political trends in American history.

**PREREQUISITE:** None.

*GHG2000112 U.S. HISTORY AND GEOGRAPHY B*

**WORLD HISTORY AND GEOGRAPHY A****10****1 sem.; ½ cr.**

Students will use three course frames (communities, production and distribution and networks) and their related questions across four units of human history. First, students will explore the regional connections that existed from 1200 to 1450. Then they will assess how life changed – and how it stayed the same – once the hemispheres were connected by the Columbian Exchange. Throughout the course, we look within and across time periods to see both how humans have grown more integrated, interconnected, and similar, and how we've remained fragmented, autonomous, and different from each other.

**PREREQUISITE:** U.S. History and Geography A & B. Freshmen considering this 10<sup>th</sup> grade course must submit a completed Interest Form, available in the Counseling Department.

*GHG2500111 WORLD HISTORY AND GEOGRAPHY A*

**WORLD HISTORY AND GEOGRAPHY B****10****1 sem.; ½ cr.**

Students will use the three course frames (communities, production and distribution and networks) and their related questions across five units of human history starting with Industrialization and ending with an exploration of modern globalization. Throughout the course, we look within and across time periods to see both how humans have grown more integrated, interconnected, and similar, and how we've remained fragmented, autonomous, and different from each other.

**PREREQUISITE:** U.S. History and Geography A & B. Freshmen considering this 10<sup>th</sup> grade course must submit a completed Interest Form, available in the Counseling Department.

*GHG2500112 WORLD HISTORY AND GEOGRAPHY B*

**AP U.S. HISTORY A / B****10-12****1 year; 1 cr.**

Advanced Placement United States History is a college level survey course of American History starting with the first native settlements to the present day. The course gives students a comprehensive picture of the development of American political, social, economic, and cultural history. The expectations of AP U.S. History put special emphasis on critical reading, writing, and analysis skills. Students will be required to take the AP Exam in May and possibly earn college credit. Students should expect to devote substantial time to course readings and written work every week. **NOTE: Students can opt out of regular U.S. History and Geography to take this course instead with the understanding that it is a significantly more difficult course with added expectations and workload. Students must take World History and Geography A/B before AP U.S. History.**

**PREREQUISITES:** World History and Geography A & B. Students must submit a completed Interest Form, available in the Counseling Department.

*GHG2000611 AP U.S. HISTORY A - GHG2000612 AP U.S. HISTORY B*

**ECONOMICS****11-12****1 sem.; ½ cr.**

This is a survey course studying economics. Areas of study will include: scarcity, allocation of resources, supply and demand, GDP, money and banking, theories of macroeconomics, business organization, consumer, international and comparative economics. Current economic issues will be included in classroom discussions.

**PREREQUISITE:** World History and Geography A & B, and U.S. History and Geography A & B.

*GHG3500115 ECONOMICS*

**GOVERNMENT****11-12****1 sem.; ½ cr.**

This is a survey course studying government. Areas of study will include: U.S. Constitution, voting, political parties, courts, Congress, the presidency, as well as state and local government. Current events will be included in classroom discussions.

**PREREQUISITE:** World History and Geography A & B, and U.S. History and Geography A & B.

*GHG3000115 GOVERNMENT*

**AP GOVERNMENT****11-12****1 sem.; ½ cr.**

This course explores the political theory and everyday practice that direct the daily operation of our government and shape our public policies. The express purpose of this course is to prepare students to take the AP Exam for U.S. Government and Politics. The course is for all intents and purposes taught on a college level and it requires a substantial amount of reading and preparation for every class. The objectives of this course go beyond a basic analysis of how our government works. Students will develop a critical understanding of the strengths and weaknesses of the American political system, as well as their rights and responsibilities as citizens.

**PREREQUISITE:** World History and Geography A & B, and U.S. History and Geography A & B. Students must submit a completed Interest Form, available in the Counseling Department.

*GHG3000612 AP GOVERNMENT*

**ELECTIVES****CRIMINOLOGY****10-12****1 sem.; ½ cr.**

This is a one semester course which will cover basic theories regarding why both juveniles and adults commit crime, how crime is measured, the history of our criminal justice system, and evaluation of potential programs and measures to reduce crime. Students can expect daily journal writings and discussion, as well as lectures, group work and guest speakers. This class will

be useful to those students interested in a career in the law, law enforcement or to those who want to know more about how our criminal justice system works.

**PREREQUISITE:** U.S. History and Geography A & B.

GHG9905115 CRIMINOLOGY

### **HISTORY AMERICAN CIVIL WAR**

**10-12**

**1 sem.; ½ cr.**

This is a survey course on the history of the American Civil War. This course will focus on the use of primary and secondary sources to explore the causes, major events, and results of this conflict. The examination of these sources will be through class discussion, projects, and writing. There will also be a comparison of the myths of the war to historical evidence.

**PREREQUISITE:** U.S. History and Geography A & B.

GHG9910115 HISTORY AMERICAN CIVIL WAR

### **AP PSYCHOLOGY A / B**

**10-12**

**1 year; 1 cr.**

AP Psychology is a year-long class that is designed to introduce students to the scientific study of the behavior and mental processes of human beings. To accomplish this, the course provides instruction in each of the following 14 content areas: History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, States of Consciousness, Learning,

Cognition, Motivation and Emotion, Developmental Psychology, Personality, Testing and Individual Differences, Abnormal Psychology, Treatment of Psychological Disorders, and Social Psychology.

In an effort to make budding psychologists out of you, the course will stress the need to think like a psychologist. As author and social psychologist, David Myers, notes, to think like a psychologist one must "restrain intuition with critical thinking, judgmentalism with compassion, and illusion with understanding." (Sternberg, 1997). Whether you choose to pursue a career in psychology or in some entirely different field, this habit of mind will be of great value.

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.

GHG9915611 AP PSYCHOLOGY A - GHG9915612 AP PSYCHOLOGY B

### **PSYCHOLOGY A**

**10-12**

**1 sem.; ½ cr.**

This class is intended to prepare students to understand the science that studies human behavior and the mental processes that shape behavior. Methods of learning, memory and thought, sensation, perception, and motivation, altered states of consciousness, the life span, personality theories, psychological testing, sources of stress, abnormal behavior, and human relations will be studied. To fully benefit from this course, students are expected to participate in class discussions and activities. During the semester students will be required to complete research projects using the APA style.

**PREREQUISITE:** None.

GHG9915111 PSYCHOLOGY A

### **PSYCHOLOGY B**

**10-12**

**1 sem.; ½ cr.**

Psychology B is an extension and continuation of Psychology A. This class will prepare students to understand the science of human behavior and the mental processes that shape behavior. We will cover personality, learning, memory, language and thinking, states of consciousness, intelligence, psychological disorders and treatment, and social psychology. Students will be expected to participate in class discussions, readings and research projects.

**PREREQUISITE:** Psychology A.

GHG9915112 PSYCHOLOGY B

### **HISTORY SOCIAL PROBLEMS**

**11-12**

**1 sem.; ½ cr.**

Social problems are issues of society of which individuals or groups have concerns and would like to resolve those concerns. Students will study various topics such as: over-population, hunger, alcohol and drug abuse, crime, child abuse among other topics based on class interest. Problems will be explored through lectures, debates, student research, and other activities.

**PREREQUISITE:** None.

GHG9920115 HISTORY SOCIAL PROBLEMS

### **HISTORY U.S. MILITARY THROUGH FILM**

**11-12**

**1 sem.; ½ cr.**

This is an exploratory course that allows students to focus on a certain item within the military sphere during WWI, WWII, Korean War, Vietnam War, Gulf War, and the War on Terror. Students will select an area of interest (i.e., snipers, machine guns, tanks, etc.) and study its evolution from war to war. The course also involves the viewing of numerous popular war films and a brief critique of the films.

**PREREQUISITE:** U.S. History and Geography A & B.

GHG9930115 HISTORY U.S. MILITARY THROUGH FILM

### **MULTIMEDIA PRODUCTION A**

**11-12**

**1 sem.; ½ cr.**

Known by students as "TVP", this course is designed to give students the opportunity to work on the skills practiced by historians and social scientist to research current events and other issues of importance to the social studies discipline. Students will work with a variety of items, which may include poems, cartoons, speeches, diaries, newspaper and Internet articles, novels and short stories, photographs, letters and other sources researching current issues of the day. Besides focusing on basic research skills including using the Internet, students will learn writing and other presentation methods for social studies issues. This course is designed for students who plan careers in law, history or other research-laden careers that require significant research and writing skills or want to learn presentation skills for current events and other issues via modern communication technology. **Counts towards Visual, Performing or Applied Arts requirement**

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.

GHG9925111 MULTIMEDIA PRODUCTION A

**MULTIMEDIA PRODUCTION B****11-12****1 sem.; ½ cr.**

The emphasis of this course will be on the presentation of social studies research. The course will develop the students' research and writing skills; however, there will be special emphasis placed on using modern technology to present social studies research to a variety of audiences. This course will incorporate PowerPoint, Internet blogs, Web pages, video and audio editing, as well as other forms of modern communication to present social studies research.

**Counts towards Visual, Performing or Applied Arts requirement**

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.

*GHG9925112 MULTIMEDIA PRODUCTION B*

# ART

**ART FOUNDATIONS A / B****9-12****1 sem. each; ½ cr. each**

**This class is for students who have not taken any art classes at Hastings High School.** It will prepare students to take all the other art classes. Students will begin with basic drawing techniques and then get an introduction to painting and three-dimensional work. Students will become familiar with the elements and principles of design, as well as basic art terms, as they work through their assignments.

**Counts towards Visual, Performing or Applied Arts requirement**

**PREREQUISITE:** None.

*GHA2020111 ART FOUNDATIONS A - GHA2020112 ART FOUNDATIONS B*

**MIXED MEDIA****10-12****1 sem.; ½ cr.**

This class will expand on the lessons learned in Foundations of Art. Mediums covered may include pencil, charcoal, water colors, paper mache, paper making, fibers, pastel, collage, and ink.

**Counts towards Visual, Performing or Applied Arts requirement**

**PREREQUISITE:** Art Foundations A & B.

*GHA2030115 MIXED MEDIA*

**MIXED MEDIA ADVANCED****10-12****1 sem.; ½ cr.**

This class will explore a variety of mediums used to create art. Mediums covered may include colored pencil, pencil, acrylics, pastels, fibers, plaster, and oil pastels.

**Counts towards Visual, Performing or Applied Arts requirement**

**PREREQUISITE:** Mixed Media.

*GHA2030515 MIXED MEDIA ADVANCED*

**DRAWING AND PAINTING****10-12****1 sem.; ½ cr.**

Students will focus on the areas of drawing and painting to create art. Mediums used may include pencil, graphite, oil pastels, pastels, acrylics, charcoal, and water-based oil paint.

**Counts towards Visual, Performing or Applied Arts requirement**

**PREREQUISITE:** Art Foundations A & B.

*GHA2025115 DRAWING AND PAINTING*

**DRAWING AND PAINTING ADVANCED****10-12****1 sem.; ½ cr.**

This class will expand on the lessons learned in Drawing and Painting. Students will focus on the areas of drawing and painting to create art. Mediums used may include pencil, graphite, oil pastels, pastels, acrylics, charcoal, watercolor, and water-based oil paint.

**Counts towards Visual, Performing or Applied Arts requirement**

**PREREQUISITE:** Drawing and Painting.

*GHA2025515 DRAWING AND PAINTING ADVANCED*

**POTTERY****10-12****1 sem.; ½ cr.**

This course is designed to help students learn the techniques needed to do creative ceramics. Students will design and sketch individual works and experiment with different types of finishes. An emphasis is placed on hand built pottery.

**Counts towards Visual, Performing or Applied Arts requirement**

**PREREQUISITE:** Art Foundations A & B.

*GHA2035115 POTTERY*

**POTTERY ADVANCED****10-12****1 sem.; ½ cr.**

Students will build on the knowledge gained in earlier pottery classes using more advanced handbuilding techniques. Students will learn the basics of throwing clay on a pottery wheel.

**Counts towards Visual, Performing or Applied Arts requirement**

**PREREQUISITE:** Pottery.

*GHA2035515 POTTERY ADVANCED*

**ART STUDIO A / B****11-12****1 year; 1 credit**

This is a year long class where students have the opportunity to develop and refine advanced skills and techniques in the art area of their choice. Students are responsible for all aspects involved in the production of their artwork. The majority of the

artwork is developed independently. Both two-dimensional and three-dimensional ideas are established and individual ideas may be worked out as well. The full range of artistic media is up for consideration.

### **Counts towards Visual, Performing or Applied Arts requirement**

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.

GHA2040811 ART STUDIO A - GHA2040812 ART STUDIO B

## **MUSIC**

### **TREBLE CHORALE A / B**

**9-12**

**1 year; 1 credit**

A non-auditioned choir for all soprano and alto (higher voiced) singers in grades 9-12, this ensemble will concentrate on the basics of singing well. Emphasis will be placed upon concepts such as voice placement, sight-reading music both rhythmically and melodically, singing in tune, correct breath support and properly warming-up the voice. Learning to sing in a choir, including ideas like correct posture, unified vowel formation and blend among singers, will be taught. In addition, students will learn basic music theory concepts. Students in this ensemble will sing in the Fall Concert, Christmas Collage Concert, and Spring Awards Concert. They may attend an appropriate festival in February/March. The choir uniform is required\*. Most of the year is spent concentrating on learning to sing music of the classical period arranged specifically for the soprano and alto voices. This foundation gives students the ability to sing many other styles as well. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** None.

GHA3015111 TREBLE CHORALE 9 A - GHA3015112 TREBLE CHORALE 9 B - GHA3016111 TREBLE CHORALE 10 A - GHA3016112 TREBLE CHORALE 10 B  
GHA3017111 TREBLE CHORALE 11 A - GHA3017112 TREBLE CHORALE 11 B - GHA3018111 TREBLE CHORALE 12 A - GHA3018112 TREBLE CHORALE 12 B

### **BASS CHORALE A / B**

**9-12**

**1 year; 1 credit**

A non-auditioned choir open to all tenor and bass singers (lower voices) in grades 9-12, this ensemble will concentrate on the basics of singing well. Emphasis will be placed upon concepts such as voice placement, sight-reading music both rhythmically and melodically, singing in tune, correct breath support and properly warming-up the voice. Learning to sing in a choir, including ideas like correct posture, unified vowel formation, and blend among singers will be taught. In addition, students will learn basic music theory concepts. Students in this ensemble will sing in the Fall Concert, Christmas Collage Concert, and Spring Awards Concert. The ensemble may participate in an appropriate festival in March. Most of the year is spent concentrating on learning to sing classical music especially arranged for the tenor and bass voices. This foundation gives students the ability to sing many other styles of music as well. The choir uniform is required\*. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** None.

GHA3005111 BASS CHORALE 9 A - GHA3005112 BASS CHORALE 9 B - GHA3006111 BASS CHORALE 10 A - GHA3006112 BASS CHORALE 10 B  
GHA3007111 BASS CHORALE 11 A - GHA3007112 BASS CHORALE 11 B - GHA3008111 BASS CHORALE 12 A - GHA3008112 BASS CHORALE 12 B

### **SONOS A / B**

**10-12**

**1 year; 1 credit**

This choir is an advanced treble choir of primarily 10<sup>th</sup> through 12<sup>th</sup> graders, though it is possible for 9th Graders to audition if they were in HMS 8th Grade Choir. "Sonos" is Latin for "sounds, and our goal is to bring academic insight and artistic vision to advanced choral literature for treble ensembles. Previous experience in choir is preferred. Membership in this group is by recommendation with or without audition, though audition is typical. Skills such as sight-reading music and singing classically using concepts previously taught must be demonstrated and understood prior to membership in this ensemble. Advanced classical choral repertoire will be explored and self-discipline, maturity and a love of singing classically are very important. Intermediate music theory concepts will be taught. As above, this choir will participate in all choir concerts and festivals. The choir uniform is required\*. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** Previous experience in a Hastings musical ensemble and audition.

GHA3011111 SONOS 9 A - GHA3010112 SONOS 9 B - GHA3011111 SONOS 10 A - GHA3011112 SONOS 10 B  
GHA3012111 SONOS 11 A - GHA3012112 SONOS 11 B - GHA3013111 SONOS 12 A - GHA3013112 SONOS 12 B

### **VARSITY SINGERS A / B**

**10-12**

**1 year; 1 credit**

This mixed (SATB voices) ensemble is made up of highly qualified, mainly 10<sup>th</sup> and 12<sup>th</sup> grade singers who are selected by audition only. A member of this choir is expected first to be an advanced singer with a passion to sing the highest quality classical repertoire available. Often the ensemble sings collegiate music. Self-discipline, maturity and musical skill are a must. In addition to the performances listed above, Varsity Singers often are called upon to do much more. Intermediate music theory concepts will be taught. Past experience in a High School performing ensemble is a prerequisite. The choir uniform is required\*. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** Previous choir experience and audition.

GHA3021111 VARSITY SINGERS 10 A - GHA3021112 VARSITY SINGERS 10 B - GHA3022111 VARSITY SINGERS 11 A - GHA3022112 VARSITY SINGERS 11 B  
GHA3023111 VARSITY SINGERS 12 A - GHA3023112 VARSITY SINGERS 12 B

\*Choir uniform: Each ensemble has a uniform specific to that ensemble. Treble Chorale and Sonos both have a black dress. Bass Chorale must provide parts of their uniform. Varsity Singers will purchase either a suit, tie, and shirt or a gown. All attire is purchased through Southeastern Apparel. For more details, see the Choir Director.

### **BAND A / B**

**9-12**

**1 year; 1 credit**

Extended knowledge of music and the instrument. Respect for discipline and group cooperation is stressed. Marching band and concert band are integrated into this course. Other ensembles include, Jazz Band, Steel Band, Winder Guard, Drumline,

and Solo and Ensemble. Public performance opportunities are provided. If a student chooses to sign up for Band, it is the expectation that they will remain in the class for the full year. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** Band. The ability to perform on an instrument at the performance level of the present organization and/or by audition.

GHA2525111 BAND 9 A - GHA2525112 BAND 9 B - GHA2526111 BAND 10 A - GHA2526112 BAND 10 B  
GHA2527111 BAND 11 A - GHA2527112 BAND 11 B - GHA2528111 BAND 12 A - GHA2528112 BAND 12 B

## PHYSICAL EDUCATION & HEALTH

### HEALTH EDUCATION

9-12

1 sem.; ½ cr.

This course is designed to present the physical, mental, social, and emotional problems involved in the teenage years. Such topics as first aid, a study of communicable diseases, and nutrition are covered. It also includes units on drug education, alcohol and tobacco education. There is also a unit on family life education which presents the subjects of reproductive systems, moral values, teenage pregnancies and sexually transmitted diseases.

**PREREQUISITE:** None.

OEP9954115 MI-CONTEMPORARY HEALTH

### PHYSICAL EDUCATION

9-12

1 sem.; ½ cr.

This is an introductory course that introduces students to individual, dual, and team sports, with emphasis on lifetime carryover sports. The following are some of the activities that will be covered during these seasons:

**Fall Semester:** Air Force Football, Ultimate Frisbee, Tennis, Physical Fitness and Testing, Speedball, Volleyball, Basketball and Weight Training.

**Spring Semester:** Floor Hockey, Bowling, Volleyball, Basketball, Soccer, Softball, Physical Fitness and Testing, Tennis and Weight Training.

**\*Students may only choose ONE semester of Physical Education.**

**PREREQUISITE:** None.

GHP9905115 PHYSICAL EDUCATION

### LIFE LONG FITNESS A and/or B

9-12

1 sem. or 1 year; ½ or 1 cr.

This class is designed to help students maintain or improve their level of fitness and knowledge of lifelong fitness activities that will positively influence their future health and well-being. This individual fitness course is set up to include instruction in Walking, Medicine and Exercise Balls, Kick Boxing, Water Fitness, Yoga, Pilates, Weight Training and many more life fitness activities.

**PREREQUISITE:** One semester of Physical Education.

GHP9920111 LIFE LONG FITNESS A - GHP9920112 LIFE LONG FITNESS B

### TEAM GAMES A and/or B

9-12

1 sem. or 1 year; ½ or 1 cr.

The goal of this course is to offer students the opportunity to improve fitness through organized team activities. Students will compete as team members and officials in a tournament format. The course will provide activities in Air Force Football, Soccer, Basketball, Volleyball, Hockey, Speedball, Hockey, Team Handball, Water Polo, Ultimate Frisbee, and other indoor and outdoor games. Each game will include emphasis on rules, strategies, team cooperation and sportsmanship.

**PREREQUISITE:** One semester of Physical Education.

GHP9925111 TEAM GAMES A - GHP9925112 TEAM GAMES B

### STRENGTH & CONDITIONING A and/or B

9-12

1 sem. or 1 year; ½ or 1 cr.

Strength and conditioning is designed to maximize your physical condition and teach you the physiology behind strength training and athletic conditioning. The class will consist of regular workouts, including endurance, quickness and strength work. Students will also spend time in a classroom environment studying the functions of muscles and basic program design. Expect to sweat and put your body through a tough workout everyday.

**PREREQUISITE:** One semester of Physical Education.

GHP9915111 STRENGTH & CONDITIONING A - GHP9915112 STRENGTH & CONDITIONING B

### AEROBIC CONDITIONING A and/or B

9-12

1 sem. or 1 year; ½ or 1 cr.

Aerobic Conditioning is offered to any student who has the interest in learning the principles of aerobic fitness. Students will learn a variety of aerobic exercises while building a strong cardiovascular system. Students will be expected to participate at their optimum cardiovascular level!!!! **Activities** - aerobic workouts on aerobic machines, step aerobics, walking, jogging, circuit training, jump rope, and swimming. (70% aerobic workouts, 20% weights/circuit training, 10% fast pace games, i.e. basketball, hockey, ultimate frisbee.)

**PREREQUISITE:** One semester of Physical Education.

GHP9935111 AEROBIC CONDITIONING A - GHP9935112 AEROBIC CONDITIONING B

### SPEED AND AGILITY A and/or B

9-12

1 sem. or 1 year; ½ or 1 cr.

This class will consist of constant work starting with warm-up running. Students will be involved with weight training, quickness and explosion drills, jump drills, testing and projects. All students will be physically tested and expected to improve their scores through skill development.

**PREREQUISITE:** One semester of Physical Education.

GHP9930111 SPEED AND AGILITY A - GHP9930112 SPEED AND AGILITY B

**INDIVIDUAL AND DUAL SPORTS A and/or B****9-12****1 sem. or 1 year; ½ cr. or 1 cr.**

The purpose of this course is to enable students to develop knowledge and skills specified in individual and dual sports. Students will also develop and maintain a level of personal fitness. Students will engage in activities such as Tennis, Golf, Disc Golf, Badminton, Bowling, Swimming/Water Fitness, and Running

**PREREQUISITE:** One semester of Physical Education.

GHP9940111 INDIVIDUAL AND DUAL SPORTS A - GHP9940112 INDIVIDUAL AND DUAL SPORTS B

## CAREER & TECHNICAL EDUCATION (CTE)

### CTE ENGLISH PROFICIENCY POLICY

Hastings Area School System offers a wide selection of Career and Technical Education (CTE) courses to our students. Limited proficiency in the English language should not be a barrier to equal participation in the instructional or extra-curricular programs of the District. These offerings include coursework in the following CTE areas: Agriculture Education, Business Administration Management & Operations Courses, Computer and Information Systems Security/Information Assurance, Computer Programming/Programmer, Construction Trades, Culinary Arts, Education, Engineering Design, Finance, Marketing, Sales & Services & Entrepreneurship.

### CTE TESTING AND EXAM POLICY

Career and Technical Education has traditionally maintained rigor and strong integrity through end of course testing and providing an opportunity for students to show their skills through credential recognition. Every CTE course has a mandated state exam. Many of the courses have pre-test, benchmark and unit tests in addition to the post assessment. All students involved in a CTE course must take an exam.

### ARTICULATED CTE / COLLEGE CREDIT

**NOTE:** All CTE programs offer both high school and college credit. Each college has specific guidelines that they follow to make this possible for a student. Check with the high school instructor for specifics.

### ADDITIONAL CTE PROGRAMS

Additional CTE programs are available through Dual Enrollment and include: Nursing, Precision Machining, and Welding. See the Counseling Office for additional details. A Welding class and a Machining class are offered at Hastings High School, with day and evening schedules available. Additional classes offered at KCC/RMTC.

Project fees are applicable if the student desires to keep the project. The instructor will notify the student of the fee. Students will need to reimburse the school for any damaged or lost supplies and equipment.

## AGRICULTURE EDUCATION (01.0000)

**\* Students must be enrolled in ½ credit or equivalent of an agriculture course each year in order to participate in FFA.**

**PLANT AND ANIMAL SCIENCE A / B****9-11<sup>th</sup> grade****1 year; 1 credit**

Students will learn basic skills in proper health care of animals. Apply principles of animal nutrition to ensure the proper growth, development, reproduction and economic production of animals. Select animal facilities and equipment that provide for the safe and efficient production. Examine the components, historical development, global implications and future trends of the animal systems industry. Analyze environmental factors associated with animal production. Classify, evaluate, select and manage animals based on anatomical and physiological characteristics. Prepare and implement animal handling procedures for the safety of animals, producers and consumers of animal products. Describe trends in the animal systems industry. Select animals for specific purposes and maximum performance based on anatomy and physiology. Apply scientific principles in the selection and breeding of animals. Students will learn basic skills in knowledge of plant classification, plant anatomy and plant physiology to the production and management of plants. Prepare and implement a plant management plan that addresses the influence of environmental factors, nutrients and soil on plant growth. Apply knowledge of plant anatomy and the functions of plant structures to activities associated with plant systems. Students will utilize critical thinking to make sense of problems and persevere in solving them. All students will be completing BQA certification good for 3 years. **Counts towards Visual, Performing or Applied Arts requirement.**

**PREREQUISITE:** None.

GHC0105111 PLANT AND ANIMAL SCIENCE A - GHC0105112 PLANT AND ANIMAL SCIENCE B

**AGRICULTURAL BUSINESS, NATURAL RESOURCES, AND LEADERSHIP A / B****10-12<sup>th</sup> grade****1 year; 1 credit**

Students will learn about interrelationships between natural resources and humans necessary to conduct management activities in natural environments. Apply knowledge of natural resource components to the management of natural resource systems.

Apply scientific principles of an ecosystem. Describe AFNR businesses and identify global opportunities in agribusiness. Define the types of ownership in an AFNR business. Identify significant markets in global businesses systems. Demonstrate knowledge of principles in marketing within an AFNR business. Evaluate and select animals based on scientific principles of animal production. Provide for the biosecurity of agricultural animals and production facilities. Select animals for specific purposes and maximum performance based on anatomy and physiology. Examine the components, historical development, global implications and future trends of the animal systems industry. Propagate culture and harvest plants. Develop a production plan that applies the fundamentals of plant management. Students will have career opportunities that appeal to personal career goals. Use technology to enhance productivity. Work productively in teams while using cultural/global competence.

**PREREQUISITE:** Plant and Animal Science A & B.

*GHC0110111 AGRICULTURE BUSINESS, NATURAL RESOURCES, AND LEADERSHIP A - GHC0110112 AGRICULTURE BUSINESS, NATURAL RESOURCES, AND LEADERSHIP B*

### **AGRICULTURE SCIENCE ADVANCED A / B**

**11-12<sup>th</sup> grade**

**1 year; 1 credit**

With instructor approval, students can further their agriculture education studies by selecting this course and choosing a specific agricultural topic mutually agreed upon by teacher and student. Students enrolled in the class will exit with Industry Certification. Students in this course also have primary responsibilities in the Ag facility (barn). Working with livestock is a frequent occurrence. Proper clothing for all weather is required. Certification in BQA is a requirement to be in this course. Plant and Animal Science offers BQA.

**PREREQUISITE:** Plant and Animal Science A & B and Agricultural Business, Natural Resources, and Leadership A & B.

*GHC0115511 AGRICULTURE SCIENCE ADVANCED A - GHC0115512 AGRICULTURE SCIENCE ADVANCED B*

### **AGRICULTURE SCIENCE CAPSTONE A / B**

**11-12<sup>th</sup> grade**

**1 year; 1 credit**

With instructor approval, students can further their agriculture education studies by selecting this Advanced course and choosing a specific agricultural topic mutually agreed upon by teacher and student. Students enrolled in the class will exit with Industry Certification. Students in this course also have primary responsibilities in the Ag facility (barn). Working with livestock is a frequent occurrence. Proper clothing for all weather is required. Certification in BQA is a requirement to be in this course. Plant and Animal Science offers BQA.

**PREREQUISITE:** Agriculture Science Advanced A & B.

*GHC0115811 AGRICULTURE SCIENCE CAPSTONE A - GHC0115812 AGRICULTURE SCIENCE CAPSTONE B*

## **BUSINESS ADMINISTRATION MANAGEMENT & OPERATIONS (52.0299)**

### **BUSINESS MANAGEMENT A**

**9-12**

**1 sem.; ½ cr.**

This business administration management & operations course introduces students to common aspects of business. Students will better understand how businesses are run and what is involved in conducting business. Major topics to be learned relate how business planning, economics, conducting business domestically and internationally, and the laws/ethics that influence a business. Additional topics will include information technology, workplace safety, potential careers in business, creating resumes and the interview process. Students will create business related documents using Microsoft Word, Excel, and PowerPoint, and have the opportunity to become Microsoft Office Suite Certified.

**PREREQUISITE:** None.

*GHC5205111 BUSINESS MANAGEMENT A*

### **BUSINESS MANAGEMENT B**

**9-12**

**1 sem.; ½ cr.**

This business administration management course takes a more in depth look into operating and growing a business. Major topics to be learned include how to market your business, financial management, business operation and production. Additional topics include consumer credit, risk management, budgeting techniques, stocks, insurance, and planning promotions. Students will create business related documents using Microsoft Word, Excel, and PowerPoint, and have the opportunity to become Microsoft Office Suite Certified.

**PREREQUISITE:** Business Management A.

*GHC5205112 BUSINESS MANAGEMENT B*

### **BUSINESS MANAGEMENT ADVANCED A**

**10-12**

**1 sem.; ½ cr.**

This business administration management & operations course focuses on business management and how businesses use managers to facilitate and achieve the decisions made by executives. Major topics in this course are business management, leadership, project management, and human resource management. Additional topics include communications, operation management, quality management and data management.

**PREREQUISITE:** Business Management A & B.

*GHC5205511 BUSINESS MANAGEMENT ADVANCED A*

### **BUSINESS MANAGEMENT ADVANCED B**

**10-12**

**1 sem.; ½ cr.**

This business management course offers comprehensive coverage of higher levels of management content including production and operations management in a realistic, investigative, and enriching manner. Many functions of business management are covered extensively, including management communication, using data in decision making, business statistics, and improving employee performance.

**PREREQUISITE:** Business Management Advanced A.

*GHC5205512 BUSINESS MANAGEMENT ADVANCED B*



# COMPUTER PROGRAMMING / PROGRAMMER (11.0201)

Students must take two synchronous computer programming courses to complete the core requirement in CTE. There are four paths to completing this core requirement, each taking one year to complete. Once the core requirement is complete, students may take any additional computer programming courses in any sequence as a “Advanced” course.

- **Core Paths:**

- PYTHON: Python class & Databases class, OR
- JAVA: Java class & Databases class, OR
- AP COMPUTER SCIENCE A (Java), OR
- WEB DESIGN: HTML and CSS class & HTML5 Application Development

## **PROGRAMMING - PYTHON**

**10-12**

**1 semester; ½ credit**

Candidates for this class and certification will be able to recognize and write syntactically correct well-documented Python 3 code that will logically solve a given problem, correctly use data types supported by Python, and use common libraries to write a program that solves a complex problem. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Algebra I A & B.

*GHC1030111 PROGRAMMING - PYTHON A - GHC1030515 PROGRAMMING ADVANCED - PYTHON*

## **PROGRAMMING - HTML & CSS**

**10-12**

**1 semester; ½ credit**

Candidates for this class and certification will be able to analyze and write syntactically correct HTML and CSS, structure data using HTML elements, and create and apply styles using CSS to create their own websites. Students will be familiar with their features and capabilities, and understand how to write, debug, and maintain well-formed HTML and CSS code. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** None.

*GHC1010111 PROGRAMMING - HTML & CSS A - GHC1010515 PROGRAMMING ADVANCED - HTML & CSS*

## **PROGRAMMING - HTML 5 Application Development**

**10-12**

**1 semester; ½ credit**

Candidates for this class and certification will be able to prove core HTML5 client application development skills. Students will focus on using HTML5, CSS3, and JavaScript ES6 to develop client applications. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Programming-HTML & CSS.

*GHC1015112 PROGRAMMING - HTML 5 APPLICATION DEVELOPMENT B - GHC1015515 PROGRAMMING ADVANCED - HTML 5 APPLICATION DEVELOPMENT*

## **PROGRAMMING ADVANCED - JAVASCRIPT**

**10-12**

**1 semester; ½ credit**

Candidates for this class and certification will be able to analyze and write syntactically correct web pages/sites – using HTML and CSS, structure data using HTML elements, and create and apply styles using CSS. Students will then prove core HTML5 client application development skills and develop client applications. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Algebra I A & B and HTML5 Application Development.

*GHC1025515 PROGRAMMING ADVANCED - JAVASCRIPT*

## **PROGRAMMING – JAVA**

**10-12**

**1 semester; ½ credit**

Candidates for this class and certification will be application developers working with JAVA 6 SE or later, secondary and immediate-post-secondary students of software development, or entry-level software developers. Students will be familiar with Java features and capabilities, and understand how to write, debug and maintain well-formed, well-documented Java code. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Algebra II A & B.

*GHC1020111 PROGRAMMING - JAVA A - GHC1020515 PROGRAMMING ADVANCED - JAVA*

**PROGRAMMING – DATABASE****09-12****1 semester; ½ credit**

Candidates for this class and certification are seeking to prove introductory knowledge of how to design, create, and query relational databases, such as MySQL, Microsoft SQL Server, or Oracle. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Java or Python.

*GHC1005112 PROGRAMMING - DATABASE B - GHC1005515 PROGRAMMING ADVANCED - DATABASE*

**AP COMPUTER SCIENCE A (JAVA) A / B****10-12****1 year; 1 credit**

Get familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. You'll do hands-on work to design, write, and test computer programs that solve problems or accomplish tasks. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** None.

*GHC1020611 AP COMPUTER SCIENCE A (JAVA) A - GHC1020612 AP COMPUTER SCIENCE A (JAVA) B*

**PROGRAMMING ADVANCED – SOFTWARE DEVELOPMENT****12****1 semester; ½ credit**

Candidates for this class and certification are seeking to prove core software development skills, including object-oriented programming, web applications, and databases. Candidates are expected to have some experience with C# and ANSI SQL. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Algebra II A & B and completion of Core Path.

*GHC1040515 PROGRAMMING ADVANCED - SOFTWARE DEVELOPMENT*

# COMPUTER AND INFORMATION SYSTEMS SECURITY/INFORMATION ASSURANCE (11.1003)

Students must take the Cybersecurity courses in the following sequence, starting with the first two courses in their first year, as the learning builds on each previous course.

**CYBERSECURITY - CYBERSECURITY A****9-12****1 semester; ½ credit**

This class is for students starting their journey in the cybersecurity field. Students will understand key security paradigms, terminology, and mindset. Students will also have a keen awareness of the importance of security and the threats to a business when security procedures are not followed. Students should be willing to teach others about security concerns while developing the investigative and implementations skills necessary to succeed in the field and have an aptitude and desire to learn more. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** None.

*GHC1105111 CYBERSECURITY - CYBERSECURITY A*

**CYBERSECURITY – IT FUNDAMENTALS B****9-12****1 semester; ½ credit**

The TestOut® IT Fundamentals Pro certification measures an examinee's understanding of foundational concepts related to computer hardware and software, networking, databases, programming, information systems, and data security. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Cybersecurity - Cybersecurity A.

*GHC1110112 CYBERSECURITY - IT FUNDAMENTALS B*

**CYBERSECURITY ADVANCED – NETWORK+****10-12****1 semester; ½ credit**

The TestOut® Network Pro certification measures an examinee's ability to perform tasks commonly performed by IT network professionals, including systems administrators, network administrators, network engineers and related careers. The core responsibilities of these job roles typically revolve around the management of hardware and software networking components and include IP configuration, setting up wireless and wired networks, managing networks, basic network security, software updates, hardware upgrades and network protocols. IT network professionals must also master fundamental computer support and maintenance which are covered in TestOut's PC Pro certification exam. It is a “hand-on” class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Cybersecurity - IT Fundamentals B.

*GHC1115515 CYBERSECURITY ADVANCED - NETWORK+*

**CYBERSECURITY ADVANCED – SECURITY+****10-12****1 semester; ½ credit**

The TestOut Security Pro certification measures an examinee's ability to perform tasks commonly performed by IT security professionals such as network and systems administrators and IT security specialists. These professionals are typically responsible for helping to implement and maintain security protocols and best practices. Passing the TestOut Security Pro Certification means you are capable of implementing layered security through group policy objects, access control lists, wireless and wired local area network security measures, and workstation and mobile device security measures. It is a "hand-on" class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Cybersecurity Advanced – Network +.

GHC1120515 CYBERSECURITY ADVANCED - SECURITY+

**CYBERSECURITY ADVANCED – ETHICAL HACKER****11-12****1 semester; ½ credit**

The TestOut Ethical Hacker Pro certification measures an examinee's ability to perform tasks commonly performed by IT security professionals such as network and systems administrators and IT security specialists. These professionals are typically responsible for helping to implement and maintain security protocols and best practices. Passing the TestOut Ethical Hacker Pro Certification means you are capable of implementing layered security through group policy objects, access control lists, wireless and wired local area network security measures, and workstation and mobile device security measures. It is a "hand-on" class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Cybersecurity Advanced – Security +.

GHC1125515 CYBERSECURITY ADVANCED - ETHICAL HACKER

**CYBERSECURITY ADVANCED – LINUX+****11-12****1 semester; ½ credit**

The TestOut Linux Pro Certification measures an examinee's ability to perform tasks commonly performed by IT professionals who work with a version of the Linux operating system. Linux training is beneficial in a variety of environments for a large number of IT careers and job descriptions. Such professionals include network and systems administrators, data center support specialists, senior support specialists, and security specialists. Real-world job tasks include managing hardware and software components, managing networks, managing users and file systems, setting up new systems, and general proficiency with the Linux command line. It is a "hand-on" class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Cybersecurity Advanced – Ethical Hacker.

GHC1130515 CYBERSECURITY ADVANCED - LINUX +

**CYBERSECURITY ADVANCED – ROUTING & SWITCHING****11-12****1 semester; ½ credit**

The TestOut Routing and Switching Pro certification exam measures the ability to work with Cisco routing and switching devices as an IT professional. For routing, these tasks include IP routing implementation, OSPF routing configuration, access control list configuration, wireless configuration, DHCP server configuration, NAT configuration, router security, and security measure implementation. For switching, tasks include switch setup and configuration, switch Interface Configuration, VLAN configuration, TCP/IP configuration, spanning tree configuration, interVLAN routing, switch security, and EtherChannel configuration. It is a "hand-on" class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Cybersecurity Advanced – Linux+.

GHC1135515 CYBERSECURITY ADVANCED - ROUTING & SWITCHING

**CYBERSECURITY ADVANCED – CYBERDEFENSE PRO****11-12****1 semester; ½ credit**

It's important for organizations to be able to defend against ever increasing attacks against traditional solutions like firewalls and antivirus software. That's why an analytics-based approach is now more important than ever in the IT security industry. We have developed a new cybersecurity course and certification that covers Network defense and align to CompTIA CySA+ to help IT educators equip and validate their students with these valuable, in-demand skills. It is a "hand-on" class and much of the work is completed independently. Students will have the opportunity to showcase their accomplishments by participating in Business Professionals of America (BPA) Competitions.

**PREREQUISITE:** Cybersecurity Advanced – Routing & Switching.

GHC1140515 CYBERSECURITY ADVANCED - CYBERDEFENSE PRO

# CONSTRUCTION TRADES (46.0000)

## RESIDENTIAL COMPONENTS

9-12

1 sem.; ½ cr.

Students are introduced to a variety of working techniques applicable to the construction industry such as: Carpentry, Measuring and Layout, Electrical, Plumbing, Drywall, and basic construction methods. Students will also be exposed to basic shop/tool safety, construction materials, hand tools, blueprints, and home safety. **Counts towards Visual, Performing or Applied Arts requirement. Counts towards one semester of 4th year math requirement if taken during a student's senior year.**

**PREREQUISITE:** None.

GHC4605115 RESIDENTIAL COMPONENTS

## RESIDENTIAL BUILD

9-12

1 sem.; ½ cr.

Students are introduced to a variety of working techniques applicable to the construction industry such as: General Contracting, Layout, Carpentry, Pole Building Construction, Framing, Roofing, Siding, Electrical, Plumbing and Concrete. Students will be involved in the building of a structure and the installation of electrical and plumbing systems. Students will also be exposed to basic shop/tool safety, construction math, construction materials, power tools, blueprints, stair construction, floor coverings, construction business and estimating. **Counts towards Visual, Performing or Applied Arts requirement. Counts towards one semester of 4th year math requirement if taken during a student's senior year.**

**PREREQUISITE:** None.

GHC4610115 RESIDENTIAL BUILD

## CONSTRUCTION TRADES ADVANCED A / B (BLOCK) 10-12

1 year; 2 periods per semester; 2 credits

Construction Trades Advanced students will learn on-site training in the various skills needed in the construction workplace today. The course will involve all aspects of house construction from start to finish. Other areas of study will be Safety, Employability Skills, Construction Materials, Construction Tools and Equipment, Design/Blueprints, Site Preparation, Common Construction Practices, Residential Carpentry, and Construction Business. Construction Trades students will demonstrate a high level of craftsmanship and work ethic. **Counts towards Visual, Performing or Applied Arts requirement. Counts towards entire 4th year Math requirement if taken during a student's senior year.**

**PREREQUISITE:** Residential Components and Residential Build. Students must submit a completed Interest Form, available in the Counseling Department.

GHC4615521 CONSTRUCTION TRADES ADVANCED A (BLOCK) - GHC4615522 CONSTRUCTION TRADES ADVANCED B (BLOCK)

## CONSTRUCTION TRADES-CAPSTONE A / B (BLOCK) 11-12

1 year; 2 periods per semester; 2 credits

Construction Trades Capstone students will learn advanced skills needed for the construction field. Main areas of study will be Safety, Employability Skills, Construction Materials, Construction Tools and Equipment, Design/Blueprints, Site Preparation, Common Construction Practices, Carpentry, Green Technology, Heavy Equipment/Civil Construction and Construction Business. Students enrolling in Advanced Construction Trades will demonstrate a high level of craftsmanship and work ethic. **Counts towards Visual, Performing or Applied Arts requirement. Counts towards entire 4th year Math requirement if taken during a student's senior year.**

**PREREQUISITE:** Construction Trades Advanced A & B. Students must submit a completed Interest Form, available in the Counseling Department.

GHC4615821 CONSTRUCTION TRADES-CAPSTONE A (BLOCK) - GHC4615822 CONSTRUCTION TRADES-CAPSTONE B (BLOCK)

# CULINARY ARTS (12.0500)

## CULINARY ARTS A (BLOCK)

11-12

1 sem: 2 periods; 1 credit

Through a combination of culinary curriculum and actual preparation of culinary dishes, students will study the food service industry. Main topics include keeping food safe, workplace safety, being professional, using equipment properly, correctly performing various culinary techniques, and beginning an understanding of cost control. Class meets both at the high school and offsite. Transportation is required for this class. Students successfully completing requirements will receive ProStart certification. **Counts towards Visual, Performing or Applied Arts requirement. Counts towards entire 4th year Math requirement if taken during a student's senior year.**

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.

GHC1205121 CULINARY ARTS A (BLOCK)

## CULINARY ARTS B (BLOCK)

11-12

1 sem: 2 periods; 1 credit

Through a combination of culinary curriculum and actual preparation of culinary dishes, students will study the food service industry. Main topics include stocks, sauces, and soups, serving guests, potatoes and grains, breakfast food and sandwiches, desserts and baked goods, and improving communication skills. Class meets both at the high school and offsite. Transportation is required for this class. Students successfully completing requirements will receive ProStart certification and have a chance to compete in the culinary competition. **Counts towards Visual, Performing or Applied Arts requirement. Counts towards entire 4th year Math requirement if taken during a student's senior year.**

**PREREQUISITE:** Culinary Arts A. Students must submit a completed Interest Form, available in the Counseling Department.

GHC1205122 CULINARY ARTS B (BLOCK)

**CULINARY ARTS ADVANCED A (BLOCK)****12****1 sem: 2 periods; 1 credit**

Through a combination of culinary curriculum and actual preparation of culinary dishes, students will study the food service industry. Main topics include purchasing and inventory, meat, poultry and seafood, marketing, the Americas, Europe, Mediterranean, middle east, and Asia cuisines, ethical and legal responsibilities, leadership, costing out products and supplies, and the use of technical resources. Class meets both at the high school and offsite. Transportation is required for this class. Students successfully completing requirements will receive ProStart certification and have a chance to compete in the culinary competition. **Counts towards Visual, Performing or Applied Arts requirement. Counts towards entire 4th year Math requirement if taken during a student's senior year.**

**PREREQUISITE:** Culinary Arts A & B. Students must submit a completed Interest Form, available in the Counseling Department.

*GHC1205521 CULINARY ARTS ADVANCED A (BLOCK)*

**CULINARY ARTS ADVANCED B (BLOCK)****12****1 sem: 2 periods; 1 credit**

Through a combination of culinary curriculum and actual preparation of culinary dishes, students will study the food service industry. Main topics include an in-depth study of the food industry, advanced professional skills, fruits and vegetables, building a successful career in the industry, nutrition, salads and garnishing, sustainability in the restaurant and foodservice industry, career opportunities and qualifications, hospitality and tourism industry, and career readiness skills required by the industry. Class meets both at the high school and offsite. Transportation is required for this class. Students successfully completing requirements will receive ProStart certification and have a chance to compete in the culinary competition. This program is articulated with KVCC and provides college credit upon successful completion. **Counts towards Visual, Performing or Applied Arts requirement. Counts towards entire 4th year Math requirement if taken during a student's senior year.**

**PREREQUISITE:** Culinary Arts Advanced A. Students must submit a completed Interest Form, available in the Counseling Department.

*GHC1205522 CULINARY ARTS ADVANCED B (BLOCK)*

## EDUCATION (13.000)

**EDUCATION ACADEMY A / B (BLOCK)****11-12****2-3 hrs. per sem.; 2-3 credits per yr.**

Education Academy provides students with an opportunity to prepare for a variety of careers including but not limited to Pre-K through High School teachers, paraprofessionals, childcare workers, youth activity leaders, and many more. Students will have the opportunity to work alongside master teachers and other community members. In this class, students will learn about child development, classroom management, designing lessons and activities, safety and health issues, educational psychology, and social foundations. Students will take part in various work-based learning opportunities and when ready, will be assigned to a master teacher and/or community member as an instructional assistant or teacher assistant. Students in this program will be on site, as well as have various teaching assignments off campus. This program requires that the student can provide their own transport, has the proper maturity level, and completes all requirements for the student's selected area. This course may be taken for up to 2 years.

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.

*GHC1305121 EDUCATION ACADEMY A (BLOCK) - GHC1305122 EDUCATION ACADEMY B (BLOCK)*

**EDUCATION ACADEMY ADVANCED A / B (BLOCK)****11-12****2-3 hrs. per sem.; 2-3 credits per yr.**

The Education Academy Advanced course is a continuation of the first-year course.

**PREREQUISITE:** Education Academy A & B. Students must submit a completed Interest Form, available in the Counseling Department.

*GHC1305521 EDUCATION ACADEMY ADVANCED A (BLOCK) - GHC1305522 EDUCATION ACADEMY ADVANCED B (BLOCK)*

## ENGINEERING DESIGN (15.1306)

**ENGINEERING DESIGN I A****9-12****1 sem.; ½ cr.**

This college level course will introduce students to the drafting and design area and is designed for those students interested in drafting, architecture, engineering, or construction. Topics covered will include safety, basic drawing techniques, and classroom procedures, geometric construction, orthographic views, dimensioning and tolerancing, sections, pictorial drawings, fasteners, architecture and engineering, descriptive geometry, assembly and working drawings, and leadership and employability skills. An emphasis is placed on perfecting computer aided drawing techniques and quality. Students will be introduced to CADD software. A good understanding of basic mathematical functions, algebra, and geometry are required for successful completion of this course. Curriculum meets or exceeds OCTE/STEM standards. **Counts towards Visual, Performing or Applied Arts requirement, online requirement, one semester of 4th year Math requirement if taken during a student's senior year**

**PREREQUISITE:** None.

*GHC1505111 ENGINEERING DESIGN I A*

**ENGINEERING DESIGN I B****9-12****1 sem.; ½ cr.**

This college level course will continue with the topics covered in the previous class and is designed for those students interested in drafting, architecture, engineering or construction. Topics covered will include safety, basic drawing techniques, and classroom procedures, geometric construction, orthographic views, dimensioning and tolerancing, sections, pictorial drawings, fasteners, architecture and engineering, manufacturing, descriptive geometry, 3D parametric drawings using CADD software, assembly and working drawings, and leadership and employability skills. An emphasis is placed on perfecting drawing techniques and quality. A good understanding of basic mathematical functions, algebra, and geometry are required for successful completion of this course. Curriculum meets or exceeds OCTE/STEM standards. Prepares students for CSWA certification. **Counts towards Visual, Performing or Applied Arts requirement, online requirement, one semester of 4th year math requirement if taken during a student's senior year.**

**PREREQUISITE:** Engineering Design I A.

*GHC1505112 ENGINEERING DESIGN I B*

**ENGINEERING DESIGN II A / B****10-12****1 year; 1 credit**

This college level course will continue with the topics covered in the previous class and is designed for those students interested in drafting, architecture, manufacturing, engineering or construction. Topics covered will include safety, basic drawing techniques, and classroom procedures, geometric construction, orthographic views, dimensioning and tolerancing, sections, pictorial drawings, fasteners, architecture and engineering, descriptive geometry, 3D parametric drawings using CADD software, assembly and working drawings, and leadership and employability skills. An emphasis is placed on perfecting drawing techniques and quality. An introduction to robotics and automation will be part of this class. A good understanding of mathematical functions, algebra, and geometry are required for successful completion of this course. Curriculum meets or exceeds OCTE/STEM standards. Prepares students for CSWA certification. **Counts towards Visual, Performing or Applied Arts requirement, online requirement, entire 4th year math requirement if taken during a student's senior year.**

**PREREQUISITE:** Engineering Design I A & B.

*GHC1505211 ENGINEERING DESIGN II A - GHC1505212 ENGINEERING DESIGN II B*

**ENGINEERING DESIGN ADVANCED A / B****11-12****1 year; 1 credit**

This college level course through the use of CADD software will provide opportunities for students to expand their knowledge in various engineering design areas including but limited to mechanical, electrical, aeronautical, bio-mechanical, civil, architectural, landscape, etc... Multiple types of working drawings will be required that are fully dimensioned and follow all conventions and standards. Drawings will be completed in time for and entered into Regional and State competitions. Students will learn the CAD to CAM process and the manufacturing requirements to produce parts. Robotics and automation will be an integral part of this class. A good understanding of advanced mathematical functions is required for successful completion of this course. Curriculum meets or exceeds OCTE/STEM standards. **Counts towards Visual, Performing or Applied Arts requirement, entire 4th year Math requirement if taken during a student's senior year.**

**PREREQUISITE:** Engineering Design II A & B.

*GHC1505511 ENGINEERING DESIGN ADVANCED A - GHC1505512 ENGINEERING DESIGN ADVANCED B*

**ENGINEERING DESIGN-CAPSTONE A / B****11-12****1 year; 1 credit**

This capstone college level course through the use of CADD software will provide opportunities for students to expand their knowledge in various engineering design areas including but limited to mechanical, electrical, aeronautical, bio-mechanical, civil, architectural, landscape, etc... Multiple types of working drawings will be required that are fully dimensioned and follow all conventions and standards. Drawings will be completed in time for and entered into Regional and State competitions. Students will learn the CAD to CAM process and the manufacturing requirements to produce parts. Robotics and automation will be an integral part of this class. A good understanding of advanced mathematical functions is required for successful completion of this course. Curriculum meets or exceeds OCTE/STEM standards. **Counts towards Visual, Performing or Applied Arts requirement, entire 4th year Math requirement if taken during a student's senior year.**

**PREREQUISITE:** Engineering Design Advanced A & B.

*GHC1505811 ENGINEERING DESIGN-CAPSTONE A - GHC1505812 ENGINEERING DESIGN-CAPSTONE B*

## FINANCE (52.0800)

**ACCOUNTING A****10-12****Fall semester only; ½ credit**

This introductory course will focus on accounting for a service business organized as a proprietorship. Topics covered include starting a proprietorship, changes that affect the accounting equation; analyzing transactions into debit and credit parts; journalizing transactions; posting to a general ledger; cash control systems; worksheets for a service business; financial statements for a proprietorship; and recording adjusting and closing entries for a service business. Multiple technologies will be used. This course will help you with your personal finances and is highly recommended if you plan on pursuing a career in business after high school. You will have the opportunity to showcase your accomplishments by participating in BPA (Business Professionals of America) Competitions. **One year of accounting satisfies your fourth year Math credit for the Michigan Merit Curriculum when taken during your senior year.**

**PREREQUISITE:** None.

*GHC5305111 ACCOUNTING A*

**ACCOUNTING B****10-12****Spring semester only; ½ credit**

This introductory course will focus on accounting for a merchandising business organized as a corporation. Topics covered include journalizing purchases and cash payments, journalizing sales and cash receipts using special journals, posting to general and subsidiary ledgers, preparing payroll records, payroll accounting, taxes and reports, worksheet for a merchandising business, financial statements for a corporation, and recording adjusting and closing entries for a corporation. Multiple technologies will be used. This course will help you with your personal finances and is highly recommended if you plan on pursuing a career in business after high school. You will have the opportunity to showcase your accomplishments by participating in BPA (Business Professionals of America) Competitions. **One year of accounting satisfies your fourth year Math credit for the Michigan Merit Curriculum when taken during your senior year.**

**PREREQUISITE:** Accounting A.*GHC5305112 ACCOUNTING B***ACCOUNTING ADVANCED****11-12****1 semester; ½ credit**

This course will focus on accounting for a merchandising business organized as a corporation – Adjustments and valuation, and additional accounting procedures. Topics covered include accounting for uncollectible accounts receivable; plant assets and depreciation; inventory; notes and interest; accrued revenue and expenses; end of fiscal period work for a corporation; accounting for partnerships; and recording international and internet sales. Multiple technologies will be used. This course will help you with your personal finances and is highly recommended if you plan on pursuing a career in business after high school. You will have the opportunity to showcase your accomplishments by participating in BPA (Business Professionals of America) Competitions.

**PREREQUISITE:** Accounting A & B.*GHC5305515 ACCOUNTING ADVANCED*

## **MARKETING, SALES & SERVICES & ENTREPRENEURSHIP (52.1999)**

**MARKETING - MANAGEMENT A****9-12****1 sem.; ½ cr.**

This marketing course introduces students to marketing. The course works with the high school's school store to gain real experiences in marketing and sales. Through project-based learning students learn what marketing is, how managers use marketing, how to conduct market research, how businesses conduct/evaluate their marketing, and the concepts around pricing, promotion, products, and placement. Students will create business related documents using Microsoft Word, Excel, and PowerPoint, and have the opportunity to become Microsoft Office Suite Certified. **Counts towards one semester of 4th year Math requirement if taken during a student's senior year.**

**PREREQUISITE:** None.*GHC5505111 MARKETING - MANAGEMENT A***MARKETING - ADVERTISING & PROMOTION B****9-12****1 sem.; ½ cr.**

This marketing course builds upon the previous marketing course and increases students' knowledge in marketing. The course works with the high school's school store to gain real experiences in marketing and sales. Students conduct projects related to marketing, advertising and promotion to gain real world experiences of how marketing is conducted. Additionally, this course reinforces and expands on previous management course topics related to communication, business planning, and international business. Students will create business related documents using Microsoft Word, Excel, and PowerPoint, and have the opportunity to become Microsoft Office Suite Certified. **Counts towards one semester of 4th year Math requirement if taken during a student's senior year.**

**PREREQUISITE:** Marketing-Management A.*GHC5505112 MARKETING - ADVERTISING & PROMOTION B***MARKETING ADVANCED - ENTREPRENEURSHIP****10-12****1 sem.; ½ cr.**

This marketing course expands on the concept of entrepreneurship discussed in lower level marketing courses. In this course students will gain in depth knowledge of what is required to start a business including government requirements, capital, intellectual property and more. Students will also gain in depth knowledge on strategies of successful entrepreneurs, along with general business practices to start and run a business including feasibility studies, market research, industry research, marketing, bootstrapping a business and more. Additional topics will also include identifying workplace hazards, professional networking and professional development.

**PREREQUISITE:** Marketing-Management A and Marketing-Advertising & Promotion B.*GHC5510515 MARKETING ADVANCED - ENTREPRENEURSHIP*

# OTHER OFFERINGS

## ONLINE COURSEWORK

10-12

1 sem.; ½ cr.

Hastings High School students have the opportunity to take an online course through the state online course catalog. Virtual Learning courses are also available for credit recovery or for students who cannot achieve enough credits in day school to graduate at the completion of the fourth year of high school. If eligible, students may take up to two courses per semester online.

**\*Students place Online Coursework in their schedule requests as a placeholder for taking an online course during the school year. At the beginning of the semester the student meets with a counselor to determine the specific online course to take.**

**\*\*This is an in-person online class only**

## DUAL ENROLLMENT

9-12

1 sem.; ½ cr.

Students who may be eligible to participate in postsecondary options are those who are in grade 9 through 12 or are enrolled in at least one high school course and who have achieved a qualifying score on the SAT or ACCUPLACER assessment. In any situation where dual enrollment classes conflict with the Hastings High School schedule, the student's Hastings High School obligations will take precedence.

**PREREQUISITE:** Varies depending on the class. Students must make an appointment to meet with a counselor to discuss their eligibility **and the requirements** of this opportunity. Students must submit a completed Interest Form, available in the Counseling Department.

# OFFERINGS INDIVIDUALLY SCHEDULED THROUGH THE COUNSELING OFFICE

## PERSONAL CURRICULUM

9-12

The personal curriculum (PC) is an option any student/family can explore to modify certain graduation requirements based upon the individual learning needs of a student. It is designed to serve students who want to accelerate or go beyond the MMC requirements as well as students who need to individualize learning requirements to meet the MMC requirements. The PC is not a stand-alone document and must be developed in coordination with the student's Educational Development Plan (EDP) and IEP (if applicable). There are specific rules regarding what MMC requirements can be modified. For more information, please contact the Counseling Office or visit [https://www.michigan.gov/documents/mde/PC\\_Guide\\_1\\_2015\\_482101\\_7.pdf](https://www.michigan.gov/documents/mde/PC_Guide_1_2015_482101_7.pdf)

## EARLY MIDDLE COLLEGE PROGRAM

10-11

Credit varies by student and grade level

Early Middle College is a tuition free (during the secondary school year only), structured five-year Career & Technical Education program designed to allow a student to earn a high school diploma while also earning up to 60 transferable college credits. This program postpones graduation until grade 13.

**PREREQUISITE:** You must qualify for this program, please see the counselor for additional information.

## INDEPENDENT STUDY

11-12

1 sem.; ½ cr.

Independent Study is intended to be an opportunity for a student to undertake advanced studies in any department. The course objectives and requirements will be established for each student on an individual basis in the form of a contract written by the teacher supervising the independent study. This contract will include outcomes expected and will be signed by the teacher, the student, the counselor, and the principal. The recommendation of the student shall come from the teacher. The student will receive a letter grade.

**PREREQUISITE:** All courses available in the area of interest have been exhausted. Department head approval. Student must make an appointment to meet with the Counselor to discuss and schedule this opportunity. **Limited to two courses per semester.**

## WORK EXPERIENCE

12

1 or 2 semesters; ½ credit per sem. per class hour

This program is designed to bridge the gap between high school, the students career interest, and employment. Students will have the opportunity to gain many job skills in this program which may lead to additional job growth in their chosen career field or to pursue additional education after high school. This program allows students to be locally employed with an approved employer for up to three class periods a day while still attending high school. Grading will be CR/NC. Students interested in signing up for Work Experience need to email Mr. Straube at [justin.straube@hassk12.org](mailto:justin.straube@hassk12.org) two weeks prior to the start of the semester.

**PREREQUISITE:** Students must submit a completed Interest Form, available in the Counseling Department.

GHZ9935915 WORK EXPERIENCE

## HASTINGS VIRTUAL ACADEMY

9-12

1 or 2 semesters

Students in Hastings have the option to request to complete their schooling through the virtual academy. Hastings' virtual academy offers core classes at both the regular and honors level, along with a full range of electives within the Edgenuity platform.



## HASTINGS HIGH SCHOOL ENGLISH DEPARTMENT SCHEDULE OF CLASSES

Freshman	Sophomore	Junior	Senior
<b><u>College Preparatory</u></b>  English Honors 9 English 9	English Honors 10 English 10	Advanced Placement English Language & Composition English 11	Advanced Placement English Literature & Composition English 12
<b><u>General Education</u></b>  English 9	English 10	English 11	English 12
<b><u>Electives</u></b>  Drama (9-12)	Yearbook (10-12) Film as Literature (10-12) Creative Writing (10-12) Drama (9-12)	Yearbook (10-12) Yearbook Advanced (11-12) Film as Literature (10-12) Creative Writing (10-12) Drama (9-12)	Yearbook (10-12) Yearbook Advanced (11-12) Film as Literature (10-12) Creative Writing (10-12) Drama (9-12)

## HASTINGS HIGH SCHOOL FOREIGN LANGUAGE DEPARTMENT SCHEDULE OF CLASSES

Freshman	Sophomore	Junior	Senior
Spanish I	Spanish I, Spanish II	Spanish I, II or III	Spanish I - IV

# HASTINGS HIGH SCHOOL MATH DEPARTMENT SCHEDULE OF CLASSES

GRADE	8	9	10	11	12
<b>ACCELERATED COLLEGE PREP</b> (5 Year Program) Math, Science, Engineering, Teaching of Math, Computers, Statistician, Business Major	Algebra I Honors*	Geometry Honors*	Algebra II Honors*	Pre-Calculus, Advanced Placement Statistics	Advanced Placement Calculus AB, Advanced Placement Statistics
<b>COLLEGE PREP</b> (4 Year Program) Math, Science, Engineering, Teaching of Math, Computers, Statistician, Business Major		Algebra I Honors*	Geometry Honors*	Algebra II Honors*	Pre-Calculus, Advanced Placement Statistics
<b>COLLEGE PREP</b> (4 Year Program) Social Studies, Law, Elementary Education and other 4-Year College programs		Algebra I*	Geometry*	Algebra II*	Statistics, Advanced Placement Statistics
<b>TECHNICAL CAREERS</b> Electrician, Draftsman, Plumber, etc. NOTE: Required skills dependent upon career area.		Algebra I*	Geometry*	Algebra II*, Algebra II A Yearlong*+	Algebra II B Yearlong*+ Statistics*
<b>NON-TECHNICAL WORKERS</b>		Algebra I*  Pre-Algebra; Algebra I	Geometry*  Algebra I	Algebra II A Yearlong*+  Algebra II A; Geometry	Algebra II B Yearlong*+

\*Michigan Merit Curriculum required class plus 1 additional math-related credit.

+BOTH Classes must be taken to meet the Michigan Merit Curriculum Requirements.

Students may enroll in two mathematics offerings concurrently only with a mathematics teacher's recommendation.

# **HASTINGS HIGH SCHOOL SOCIAL STUDIES DEPARTMENT SCHEDULE OF CLASSES**

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
For all Class Years	U.S. History and Geography  If intent is to take AP U.S. History, could take World History and Geography	World History and Geography  AP U.S. History	*Economics and *Government or *AP Government	Elective

\* Indicates semester course

# **HASTINGS HIGH SCHOOL SCIENCE DEPARTMENT SCHEDULE OF CLASSES**

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Advanced College Prep (for study in Math or Science field)	Physical Science	Biology Honors	Science Elective such as any of the AP Science offerings	Science Elective such as any of the AP Science offerings
College Prep	Physical Science	Biology or Biology Honors	Science Elective	Science Elective
Technical School or 2 Year College	Physical Science	Biology	Science Elective	Science Elective
Non-Technical Workers	Physical Science	Biology	Science Elective	Science Elective

