

2023-2024 Course Catalog



Marietta High School

**1171 Whitlock Avenue
Marietta, GA 30064
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**Marco Holland
Principal**

GEORGIA DEPARTMENT OF EDUCATION COURSE NUMBERS

| Subject /Course | | Model of Instruction | GaDOE Use | GaDOE Use | GaDOE Use | GaDOE Funding | Locally Defined | Locally Defined | Description |
|-----------------|---|----------------------|-----------|-----------|-----------|---------------|-----------------|-----------------|-----------------------------------|
| XX | . | 0 | - | - | - | | | | General |
| | . | 1 | - | - | - | | | | Remedial |
| | . | 3 | - | - | - | | | | Online Instruction - DLL and GAVS |
| | . | 4 | - | - | - | | | | Vocational Labs |
| | . | 5 | - | - | - | | | | Vocational Labs |
| | . | 7 | - | - | - | | | | Work Based Learning |
| | . | 8 | - | - | - | | | | SPED Small Group |
| | . | | - | - | - | 3 | | | Credit in Lieu of Enrollment |
| | . | | - | - | - | 4 | | | Dual Enrollment |
| | . | | - | - | - | | 0 | | Dual Enrollment |
| | . | | - | - | - | | 1 | | ESOL |
| | . | | - | - | - | | 2 | | Digital Learning Lab (DLL) |
| | . | | - | - | - | | 3 | | SPED (.8) |
| | . | | - | - | - | | 4 | | Regular Classes |
| | . | | - | - | - | | 5 | | IB, AP, and Honors Classes |
| | . | | - | - | - | | 6 | | PLC |
| | . | | - | - | - | | 7 | | Remedial |
| | . | | - | - | - | | 8 | | CTAE Course |
| | . | | - | - | - | | 9 | | MAPS, Haven, Outside Provider |
| | . | | - | - | - | | | 0 | |
| | . | | - | - | - | | | 1 | Semester 1/Local Use (IE. DLL) |
| | . | | - | - | - | | | 2 | Semester 2/Local Use (IE. DLL) |
| | . | | - | - | - | | | 3 | S1 AB Course/Local Use |
| | . | | - | - | - | | | 4 | S2 AB Course/Local Use |
| | . | | - | - | - | | | 5 | GAA S1/Local Use |
| | . | | - | - | - | | | 6 | GAA S2/Local Use |
| | . | | - | - | - | | | 7 | Local Use (IE. DLL S1) |
| | . | | - | - | - | | | 8 | Local Use (IE. DLL S2) |
| | . | | - | - | - | | | 9 | Course Anomalies |

State-Funded List if K-8 Subjects and 9-12 Courses:

<https://www.gadoe.org/Curriculum-Instruction-and-Assessment/Curriculum-and-Instruction/Documents/State-Funded-List-of-Subjects-and-Courses-Supported-by-SBOE-Rule-160-4-2-20.pdf>

Marietta City Schools Locally Defined Course Number Detailed Chart:

<https://docs.google.com/spreadsheets/d/1fNZ73tlwu8J087mBjf5rty0PKPyIIejTWXX8Ik14oMQ/edit?usp=sharing>

ENGLISH LANGUAGE ARTS

9th Grade Literature and Composition – Full Year Course

Honors 9th Grade Literature and Composition – Full Year Course

GaDOE State Course Number: 23.06100

This course focuses on a study of literary genres and informational texts; the students develop an initial understanding of both the structure and the meaning of a literary work. The students explore the effect of the literary form in regards to interpretation. The students will read across the curriculum to develop academic and personal interests in different subjects. The students will also demonstrate competency in a variety of writing genres: argumentative, informational/expository, and narrative. The students will engage in research, timed writings, and the writing process. Instruction in language conventions will occur within the context of reading, writing, and speaking, rather than in isolation. The students demonstrate an understanding of speaking and listening for a variety of purposes. This course reflects grade-level appropriate Georgia Standards of Excellence.

10th Grade Literature and Composition – Full Year Course

Honors 10th Grade Literature and Composition – Full Year Course

GaDOE State Course Number: 23.06200

This course focuses on a study of literary genres and informational texts; the students develop understanding that theme is what relates literature to life and that themes are recurring in the literary world. The students explore the effect of themes in regard to interpretation. The students will read across the curriculum to develop academic and personal interests in different subjects. While the focus is writing argument in tenth grade literature, the student will also demonstrate competency in informative/expository and narrative writing genres. The student will engage in research, timed writings, and the writing process. Instruction in language conventions will occur within the context of reading, writing, and speaking, rather than in isolation. The students demonstrate an understanding of speaking and listening for a variety of purposes. This course reflects grade-level appropriate Georgia Standards of Excellence.

American Literature and Composition – Full Year Course

GaDOE State Course Number: 23.05100

This course focuses on the study of American literature and informational texts, writing modes and genres, and essential conventions for reading, writing, and speaking. The students read a variety of informational and literary texts in all genres and modes of discourse. Reading across the curriculum develops students' academic and personal interests in different subjects. While expository writing is the focus in American literature, the students will also demonstrate competency in argumentative and narrative genres. The students will engage in research, timed writing, and the writing process. Instruction in language conventions will occur within the context of reading, writing, and speaking. The students demonstrate an understanding of speaking and listening for a variety of purposes. This course reflects grade-level appropriate Georgia Standards of Excellence.

Advanced Composition – Full Year Course

GaDOE State Course Number: 23.03400

This course focuses on the writing process (planning, drafting, and revising). The students will focus on different writing genres and organizational structures: expository, argument, narrative, descriptive, comparison-contrast, exemplification, process analysis, classification, cause and effect, and definition. Advanced language skills (grammar and usage) will be a major component of this class. An emphasis on research is also required. This course reflects grade-level appropriate Georgia Standards of Excellence.

Multicultural Literature and Composition – Full Year Course

GaDOE State Course Number: 23.06700

Prerequisite: American Literature and Composition, IB English A Language & Literature, Year 1 HL, or Advanced Placement English Language/Composition

The course focuses on world literature and informational texts by and about people of diverse ethnic backgrounds. Students explore themes of linguistic and cultural diversity by comparing, contrasting, analyzing, and critiquing writing styles and universal themes. The students write argumentative, expository, narrative, analytical, and response essays. A research component is critical. The students observe and listen critically

and respond appropriately to written and oral communication. Conventions are essential for reading, writing, and speaking. Instruction in language conventions will, therefore, occur within the context of reading, writing, and speaking rather than in isolation. The students understand and acquire new vocabulary and use it correctly in reading, writing, and speaking. This course reflects grade-level appropriate Georgia Standards of Excellence.

Advanced Placement English Language/Composition – Full Year Course

GaDOE State Course Number: 23.05300

Students will be prepared to take the CollegeBoard Advanced Placement English Language/Composition test after completion of this course.

This course focuses on content, purpose, and audience as the guide for the students' organization in writing. The course will enable students to become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. The students will compose for a variety of purposes with a clear understanding of writer's purpose, audience expectations, and subjects as well as the way conventions and resources of language contribute to writing effectiveness. Expository, analytical, and argumentative writings support the academic and professional communication required by colleges; personal and reflective writing support the development of writing facility in any context. Students will examine primary and secondary sources to synthesize materials for their writing. An AP syllabus will be submitted and approved by College Board. *Students will take the American Literature EOC at the end of this course.*

Advanced Placement English Literature and Composition – Full Year Course

GaDOE State Course Number: 23.06500

Prerequisite: Advanced Placement Language/Composition

Students will be prepared to take the CollegeBoard Advanced Placement English Literature and Composition test after completion of this course.

The course focuses on an intensive study of representative works from various literary genres and periods. The focus is on the complexity and thorough analysis of literary works. The students will explore the social and historical values that works reflect and embody. The textual detail and historical context provide the foundation for interpretation: the experience of literature, the interpretation of literature, and the evaluation of literature. Writing to evaluate a literary work involves making and explaining judgments about its artistry and exploring its underlying social and cultural values through analysis, interpretation, and argument (e.g. expository, analytical, and argumentative essays). The writers will develop stylistic maturity: strong vocabulary, sentence variety, and effective use of rhetoric to maintain voice. An AP syllabus will be submitted and approved by College Board.

IB English A Language & Literature, Year 1 HL – Full Year Course

GaDOE State Course Number: 23.07300

Introduces the critical study and interpretation of literary and non-literary texts in a variety of media and forms from different periods, styles, and cultures. Students will examine communication across literary form and textual type alongside appropriate secondary readings and will investigate the nature of language itself and the ways in which it shapes and is influenced by identity and culture. A key aim of this course is to develop skills in interpretation, analysis, and evaluation and to develop an understanding of the relationships between texts and a variety of perspectives, cultural contexts, and local and global issues. This course is the first year in a two year sequence that prepares students for the IB English A Language and Literature HL exam. *Students will take the American Literature EOC at the end of this course.*

IB English A Language & Literature, Year 2 HL – Full Year Course

GaDOE State Course Number: 23.07310

Students will continue to interpret, analyze, and evaluate a wide range of literary and non-literary texts in a variety of media, periods, styles, and cultures. Students will develop critical literacy as they understand how the relationship between texts, perspectives, cultural contexts, and local and global issues contribute to diverse responses and open up multiple meanings. This course is the second year of the two-year sequence that prepares students for the IB English A Language and Literature HL exam.

Dramatic Writing (Film, Television, and Theatre I) – Full Year Course

GaDOE State Course Number: 52.09200

This course applies skills to culminate in creating and developing dramatic writing for theatrical media with special emphasis on film and television. Includes development of “writerly stance” by reading, viewing, and analyzing texts and visual media from a writer’s point of view, with focus on understanding the construction process and including the application of conventions of standard English grammar and usage. Note: This course meets fourth English Language Arts core requirement. **At the successful completion of both Part A (Fall) and Part B (Spring), a full credit of Advanced Composition (23.03400) awarded in addition to the Dramatic Writing credit.**

Basic Reading/Writing I – Full Year Course or a Fall/Spring Course

GaDOE State Course Number: 23.08300

This course provides fundamental skills development in the five strands of the GSE courses: Reading Literary texts, Reading Informational texts Writing, Speaking and Listening, and Language. The setup is a language lab setting; the class includes drill and practice opportunities in reading comprehension, vocabulary development, writing (according to the GSE literary and informational texts ,and writing genres associated with the students' English course), speaking, and critical thinking.

Basic Reading/Writing II – Full Year Course or a Fall/Spring Course

GaDOE State Course Number: 23.08400

This course provides an extension of fundamental skills development addressed in Basic Reading/Writing I in the five strands of the GSE courses: Reading Literary texts, Reading Informational texts, Writing, Speaking and Listening, and Language. The setup is a language lab setting; the class includes drill and practice opportunities in reading comprehension, vocabulary development, reading opportunities, writing (according to the GSE literary and informational texts, and writing genres associated with the students' English course), speaking, and critical thinking. Also, test taking skills will be implemented.

ESOL – English to Speakers of Other Languages

Reading Enrichment – Full Year Course

GaDOE State Course Number: 23.08200

This course, an extension of the Communication Skills course, focuses on reinforcement of the GEORGIA STANDARDS OF EXCELLENCE based course. The student receives reinforcement in the following strands: Reading Literary texts, Reading Informational texts, Writing, Conventions, Speaking and Listening, and Language. The emphasis is to offer reading skills, vocabulary development, reading opportunities, writing process activities, and conventions study. The course enhances reading skills necessary to promote continual development in language arts.

Basic Reading/Writing I – Full Year Course or a Fall/Spring Course

GaDOE State Course Number: 23.08300

This course provides fundamental skills development in the five strands of the GSE courses: Reading Literary texts, Reading Informational texts Writing, Speaking and Listening, and Language. The setup is a language lab setting; the class includes drill and practice opportunities in reading comprehension, vocabulary development, writing (according to the GSE literary and informational texts, and writing genres associated with the students' English course), speaking, and critical thinking.

Basic Reading/Writing II – Full Year Course or a Fall/Spring Course

GaDOE State Course Number: 23.08400

This course provides an extension of fundamental skills development addressed in Basic Reading/Writing I in the five strands of the GSE courses: Reading Literary texts, Reading Informational texts, Writing, Speaking and Listening, and Language. The setup is a language lab setting; the class includes drill and practice opportunities in reading comprehension, vocabulary development, reading opportunities, writing (according to the GSE literary and informational texts, and writing genres associated with the students' English course), speaking, and critical thinking. Also, test taking skills will be implemented.

ESOL Communication Skills I – Full Year Course

GaDOE State Course Number: 55.02100

This course will focus on the acquisition of social and instructional language across the four language domains as prescribed in WIDA Standard 1. The suggested proficiency level of the student is PL 1-2. This course awards elective credit.

ESOL Communication Skills II – Full Year Course

GaDOE State Course Number: 55.02200

Prerequisite: Communication Skills I

This course is an expansion of Communication Skills I with the inclusion of some content language, particularly the discipline of English language arts. The five WIDA standards serve as its basis with emphasis upon proficiency in Standard 2 regarding the communication of information, ideas and concepts necessary for academic success in the content area of language arts. The suggested proficiency level of the student is PL 1-2. This course awards elective credit.

ESOL Communication Skills in Math – Full Year Course

GaDOE State Course Number: 55.02110

This course supports and enhances literacy and listening skills necessary for success in the mathematics content areas. Guiding the course are the five basic WIDA Standards with particular emphasis on vocabulary, speaking, listening and reading skills in mathematics. The content addresses all five WIDA Standards. The suggested proficiency level is CPL 2-3.

English ESOL I – Full Year Course

GaDOE State Course Number: 23.09100

Focuses on interpersonal communication, school and survival skills, through short responses within structured contexts and participation in simple conversations. Focuses on fundamental skills, such as basic grammar and vocabulary, in all four language areas: speaking, listening, reading, and writing. Includes high frequency

vocabulary drawn from content areas. Familiarizes students with appropriate learning strategies for all classes. Introduces U.S. culture. This course will award graduation credit in English.

English ESOL II – Full Year Course

GaDOE State Course Number: 23.09200

Integrates listening and speaking, reading and writing, grammar and usage. Uses all language skills to gain further knowledge of United States culture in contextualized settings. Emphasizes sustained interpersonal communication of ideas, personal and safety needs, plus cognitive-academic language proficiency. Increases skills in comprehension of content areas including; use of thesaurus, glossary, dictionary, contextualized guessing at meaning, and test taking strategies. Introduces the writing processes of planning, drafting, revising, editing, and proofing. Highlights world literature (essays and other nonfiction, short stories, novels, folktales, poetry, mythology, and drama), and authentic texts (newspapers, magazines, labels, directions, etc.) This course will award graduation credit in English.

English ESOL III – Full Year Course

GaDOE State Course Number: 23.09300

Presents the English language in more complex, cognitively demanding situations. Emphasizes comprehension of detailed information with fewer contextual clues on unfamiliar topics. Encourages production, initiation, and sustaining of spontaneous language interactions, using circumlocution when necessary. Includes interaction with increasingly complex written material such as descriptive, personal narrative, and expository writing which includes grammar, mechanics, and rhetorical coherence in written assignments. Interjects authors and selections from American and British literature: poetry, short stories, novels, and drama. Incorporates writing to satisfy social and academic needs. Stresses vocabulary development. Encourages expression of complex feelings, needs, and opinions in speaking and writing. This course will award graduation credit in English.

English ESOL IV – Full Year Course

GaDOE State Course Number: 23.09400

Emphasizes effective oral and written communication with various audiences on a wide-range of familiar new topics. Builds comprehension of concrete and abstract topics, as well as recognition of language subtleties (registers) in a variety of communicative settings. Develops reading at or near grade level. Stresses full participation at or near grade level in all content areas. Emphasizes the process of writing, including planning, drafting, and revising. Includes assignments on different modes of discourse: expository, persuasive, narrative, and descriptive. Reviews grammar, mechanics, usage, and spelling. Develops vocabulary and comprehension intensively and extensively. This course will award graduation credit in English.

Communication Skills in Science – Full Year Course

GaDOE State Course Number: 55.02120

This course supports and enhances literacy and listening skills necessary for success in the content area of science. Guiding the course are the five basic WIDA Standards with particular emphasis on vocabulary, speaking, listening, and reading skills in science. This course is appropriate for students at CPL levels 2-3.

Communication Skills in Social Studies – Full Year Course

GaDOE State Course Number: 55.02130

This course supports and enhances literacy and listening skills necessary for success in the content areas. Guiding the course are the five basic WIDA Standards with particular emphasis on vocabulary, speaking, listening, and reading skills in social studies. This course is appropriate for students at CPL levels 2-3.

JOURNALISM

Journalism I (Intro to Journalism) – Fall or Spring Course

GaDOE State Course Number: 23.03200

Prerequisite: Journalism Teacher's Approval

This course focuses on an introduction to journalistic writing through an analysis of newspapers, yearbooks, literary magazines, and broadcast journalism. A concentration on the following components of journalistic writing may include but is not limited to the interview process; evaluating sources; the purpose, structure, and diction in writing; and training in the various technology used in publishing. Students should participate in news gathering, the study of journalism ethics and laws, and the aspects of copy writing, editing, and revising. If a publication is produced, the students will be exposed to the process of publishing and how to manage a successful publication. This course reflects the Georgia Standards of Excellence.

Journalism I PITCHFORK – Full Year Course

GaDOE State Course Number: 23.03200

Prerequisite: Journalism Teacher's Approval

This class is comprised of the members of the school newspaper staff. This course focuses on an introduction to journalistic writing through an analysis of newspapers, yearbooks, literary magazines, and broadcast journalism. A concentration on the following components of journalistic writing may include but is not limited to the interview process; evaluating sources; the purpose, structure, and diction in writing; and training in the various technology used in publishing. Students should participate in news gathering, the study of journalism ethics and laws, and the aspects of copy writing, editing, and revising. If a publication is produced, the students will be exposed to the process of publishing and how to manage a successful publication. This course reflects the Georgia Standards of Excellence.

Journalism II PITCHFORK – Full Year Course

GaDOE State Course Number: 23.03300

Prerequisite: Journalism III PITCHFORK

This class is comprised of the members of the school newspaper staff. The course offers an advanced study of journalistic writing. Skills from Journalism I are continued as the students focus on a more intense analysis of print and broadcast journalism. This course requires more critical thinking and more in-depth writing as related to newspaper, yearbook and/or literary magazine. Students will also be expected to gain more independence in the daily tasks of producing a publication. This course reflects the Georgia Standards of Excellence.

Journalism III PITCHFORK – Full Year Course

GaDOE State Course Number: 23.03500

Prerequisite: Journalism II PITCHFORK

This class is comprised of the members of the school newspaper staff. This course is an extension of Journalism I and II; the students will enhance and hone the skills in journalistic writing, with a main focus on analysis of print and broadcast publications. An in-depth coverage of level-two topics will serve as the main premise. Students will evaluate and apply skills appropriately and efficiently to various publication opportunities and activities, both in-school and out-of-school. This course reflects the Georgia Standards of Excellence.

Journalism IV PITCHFORK – Full Year Course

GaDOE State Course Number: 23.03600

Prerequisite: Journalism III PITCHFORK

This class is comprised of the members of the school newspaper staff. This course is designed for students who have mastered skills in Journalism III. The students will publish journalistic articles as appropriate either in a school newspaper (print or electronic), yearbook or literary magazine. The range of opportunities to apply skills will be increased and students are expected to manage all aspects of the publishing process with the delivery of a final publication. This course reflects the Georgia Standards of Excellence.

Journalism I OLYMPIAN – Full Year Course

GaDOE State Course Number: 23.03200

Prerequisite: Journalism Teacher's Approval

This class is comprised of the members of the school yearbook staff. This course focuses on an introduction to journalistic writing through an analysis of newspapers, yearbooks, literary magazines, and broadcast journalism. A concentration on the following components of journalistic writing may include, but is not limited to the interview process; evaluating sources; the purpose, structure, and diction in writing; and training in the various technology used in publishing. Students should participate in news gathering, the study of journalism ethics and laws, and the aspects of copy writing, editing, and revising. If a publication is produced, the students will be exposed to the process of publishing and how to manage a successful publication. This course reflects the Georgia Standards of Excellence.

Journalism II OLYMPIAN – Full Year Course

GaDOE State Course Number: 23.03300

Prerequisite: Journalism I OLYMPIAN

This class is comprised of the members of the school yearbook staff. The course offers an advanced study of journalistic writing. Skills from Journalism I are continued as the students focus on a more intense analysis of print and broadcast journalism. This course requires more critical thinking and more in-depth writing as related to newspaper, yearbook and/or literary magazine. Students will also be expected to gain more independence in the daily tasks of producing a publication. This course reflects the Georgia Standards of Excellence.

Journalism III OLYMPIAN – Full Year Course

GaDOE State Course Number: 23.03500

Prerequisite: Journalism II OLYMPIAN

This class is comprised of the members of the school yearbook staff. This course is an extension of Journalism I and II; the students will enhance and hone the skills in journalistic writing, with a main focus on analysis of print and broadcast publications. An in-depth coverage of level-two topics will serve as the main premise. Students will evaluate and apply skills appropriately and efficiently to various publication opportunities and activities, both in-school and out-of-school. This course reflects the Georgia Standards of Excellence.

Journalism IV OLYMPIAN – Full Year Course

GaDOE State Course Number: 23.03600

Prerequisite: Journalism III OLYMPIAN

This class is comprised of the members of the school yearbook staff. This course is designed for students who have mastered skills in Journalism III. The students will publish journalistic articles as appropriate either in a school newspaper (print or electronic), yearbook or literary magazine. The range of opportunities to apply skills will be increased and students are expected to manage all aspects of the publishing process with the delivery of a final publication. This course reflects the Georgia Standards of Excellence.

ACADEMIC MUSIC

IB Music, Year 1 SL or HL – Full Year Course

GaDOE State Course Number: 53.02900

Corequisites: Performing Arts course

Introduces musical genres, styles, composers, and media in historical context. Includes comparison and contrast of musical style periods from antiquity to the contemporary period, the prominent composers and literature of the period, social and cultural influences, interdisciplinary studies of art, theater, dance, politics, music of world cultures and indigenous American music. Emphasizes perceptive listening and analysis and speaking and writing about music and musicians. Prepares students for the IB Music exam.

IB Music, Year 2 SL or HL – Full Year Course

GaDOE State Course Number: 53.02910

Prerequisite: IB Music, Year 1

Corequisites: Performing Arts course

Introduces musical genres, styles, composers, and media in historical context. Includes comparison and contrast of musical style periods from antiquity to the contemporary period, the prominent composers and literature of the period, social and cultural influences, interdisciplinary studies of art, theater, dance, politics, music of world cultures and indigenous American music. Emphasizes perceptive listening and analysis and speaking and writing about music and musicians. Prepares students for the IB Music exam.

BAND

Beginning Band I – 4x4 Semester Course

GaDOE State Course Number: 53.03610

Provides opportunities to develop performance skills on a wind or percussion instrument. Emphasizes performance and production. May include analysis, historical and cultural influences, improvisation, and appreciation of music. Organizes objectives for self-paced progress. Stresses individual progress and group experiences.

Intermediate Band I (Concert Band) – 4x4 Semester Course

GaDOE State Course Number: 53.03710

Prerequisite: Middle School Band, Audition Required, or Teacher Recommendation

This performance-based class provides opportunities for intermediate-level performers to increase performance skills and precision on a wind or percussion instrument. Includes performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Stresses individual progress and learning and group experiences. Strengthens reading skills. Individual growth and achievement are encouraged through participation in adjudicated solo and ensemble festivals, district honor bands, and private lessons. Participation in concert performances outside of regular class hours is expected.

Intermediate Band II (Concert Band) – 4x4 Semester Course

GaDOE State Course Number: 53.03720

Prerequisite: Intermediate Band I

This performance-based class enhances level-one skills and provides further opportunities for intermediate-level performers to develop reading techniques and increase performance skills. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Stresses individualized learning and group experiences. Individual growth and achievement are encouraged through participation in adjudicated solo and ensemble festivals, district honor bands, and private lessons. Participation in concert performances outside of regular class hours is expected.

Intermediate Band III (Concert Band) – 4x4 Semester Course

GaDOE State Course Number: 53.03730

Prerequisite: Intermediate Band II

This performance-based class enhances level-two skills and provides further opportunities for intermediate-level performers to develop reading techniques and increase performance skills. Covers

performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Stresses individualized learning and group experiences. Individual growth and achievement are encouraged through participation in adjudicated solo and ensemble festivals, district honor bands, and private lessons. Participation in concert performances outside of regular class hours is expected.

Advanced Band I (Symphonic Band) – 4x4 Semester Course

GaDOE State Course Number: 53.03810

Prerequisite: Audition Required or Teacher Recommendation

This performance-based class enhances level-two skills and provides further opportunities for advanced-level performers to develop and refine performance skills and precision on a specific instrument. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Stresses self-paced progress, individual learning strategies, and ensemble experiences. Individual growth and achievement are encouraged through participation in adjudicated solo and ensemble festivals, district honor bands, and private lessons. Participation in concert performances outside of regular class hours is expected.

Advanced Band II (Symphonic Band) – 4x4 Semester Course

GaDOE State Course Number: 53.03820

Prerequisite: Advanced Band I (Symphonic Band)

This performance-based class enhances level-one skills and provides further opportunities for advanced-level performers to develop and refine performance skills and precision on a wind or percussion instrument. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Stresses self-paced progress, individual learning strategies, and ensemble experiences. Individual growth and achievement are encouraged through participation in adjudicated solo and ensemble festivals, district honor bands, and private lessons. Participation in concert performances outside of regular class hours is expected.

Advanced Band III (Symphonic Band) – 4x4 Semester Course

GaDOE State Course Number: 53.03830

Prerequisite: Advanced Band II (Symphonic Band)

This performance-based class enhances level-two skills and provides further opportunities for advanced-level performers to develop and refine performance skills and precision on a specific instrument. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Stresses self-paced progress, individual learning strategies, and ensemble experiences. Individual growth and achievement are encouraged through participation in adjudicated solo and ensemble festivals, district honor bands, and private lessons. Participation in concert performances outside of regular class hours is expected.

Mastery Band I (Wind Ensemble) – 4x4 Semester Course

GaDOE State Course Number: 53.03910

Prerequisite: Audition Required or Teacher Recommendation

Provides opportunities for students to develop master skills in music reading and performance techniques. A variety of mastery band literature of various historical and contemporary styles and genres is performed. Students extend their knowledge of music theory, including analysis of form. Exploration of compositional and improvisational techniques of instrumental music.

Mastery Band II (Wind Ensemble) – 4x4 Semester Course

GaDOE State Course Number: 53.03920

Prerequisite: Mastery Band I

Enhances level-one master skills in music reading and performance techniques. A variety of mastery band literature of various historical and contemporary styles and genres is performed. Students extend their knowledge of music theory, including analysis of form. They explore compositional and improvisational techniques of instrumental music.

Mastery Band III (Wind Ensemble) – 4x4 Semester Course

GaDOE State Course Number: 53.03930

Prerequisite: Mastery Band II

Enhances level-two master skills in music reading and performance techniques. Students are expected to consistently demonstrate mastery level sight-reading skills and respond to expression markings in the musical score. Compositional and improvisational techniques of mastery band ensembles are explored, and a variety of standard mastery band ensemble literature of various historical and contemporary styles and genres is performed at the mastery level.

Mastery Band IV (Wind Ensemble) – 4x4 Semester Course

GaDOE State Course Number: 53.03940

Prerequisite: Mastery Band III

Enhances level-three master skills in music reading and performance techniques. Students are expected to consistently demonstrate mastery level sight-reading skills and respond appropriately to expression markings in the musical score. Compositional and improvisational techniques of mastery band ensembles are explored, and a variety of standard mastery band ensemble literature of various historical and contemporary styles and genres is performed at the mastery level.

INSTRUMENTAL MUSIC

Beginning Guitar Techniques I – Full Year Course

GaDOE State Course Number: 53.08410

Prerequisite: None

This course is designed to be a beginning guitar course in which students perform, respond, create, and connect to music through the guitar.

ORCHESTRA

Intermediate Orchestra I – 4x4 Semester Course

GaDOE State Course Number: 53.05710

Prerequisite: Audition Required or Teacher Recommendation

Provides opportunities for intermediate-level performers to increase performance skills and precision on orchestral stringed instruments. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences. Participation in concert performances outside of regular class hours is expected.

Intermediate Orchestra II – 4x4 Semester Course

GaDOE State Course Number: 53.05710

Prerequisite: Intermediate Orchestra I

Enhances level-one skills and provides further opportunities for intermediate-level performers to increase performance skills and precision on orchestral stringed instruments. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses self-paced progress and group experiences.

Advanced Orchestra I – 4x4 Semester Course

GaDOE State Course Number: 53.05810

Prerequisite: Audition Required or Teacher Recommendation

Provides opportunities for advanced-level performers to increase performance skills and precision on orchestral stringed instruments. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences.

Advanced Orchestra II – 4x4 Semester Course

GaDOE State Course Number: 53.05820

Prerequisite: Advanced Orchestra I

Enhances level-one skills and provides further opportunities for advanced-level performers to increase performance skills and precision on orchestral stringed instruments. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses self-paced progress and group experiences.

CHORUS

Beginning Chorus I – 4x4 Semester Course

GaDOE State Course Number: 54.02110

Prerequisite: None

Provides opportunities to develop performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences. Participation in choral performances outside of regular class hours is expected.

Beginning Chorus II – 4x4 Semester Course

GaDOE State Course Number: 54.02120

Prerequisite: Beginning Chorus I

Enhances level-one skills and provides further opportunities to develop performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses self-paced progress and group experiences. Participation in choral performances outside of regular class hours is expected.

Beginning Chorus III – 4x4 Semester Course

GaDOE State Course Number: 54.02130

Prerequisite: Beginning Chorus II

Enhances level-two skills and provides further opportunities to develop performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses self-paced progress and group experiences. Participation in choral performances outside of regular class hours is expected.

Beginning Chorus IV – 4x4 Semester Course

GaDOE State Course Number: 54.02140

Prerequisite: Beginning Chorus III

Enhances level-three skills and provides further opportunities to develop performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses self-paced progress and group experiences. Participation in choral performances outside of regular class hours is expected.

Intermediate Chorus I (Bel Canto Choir) – 4x4 Semester Course

GaDOE State Course Number: 54.02210

Prerequisite: Audition Required or Teacher Recommendation

Provides intermediate-level performers opportunities to increase performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self paced progress through all four levels. Stresses individual progress and group experiences. Stresses individual progress and group experiences. Participation in choral performances outside of regular class hours is expected.

Intermediate Chorus II (Bel Canto Choir) – 4x4 Semester Course**GaDOE State Course Number: 54.02220***Prerequisite: Intermediate Chorus I*

Enhances level-one skills and provides intermediate-level performers further opportunities to increase performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses self-paced progress and group experiences. Participation in choral performances outside of regular class hours is expected.

Intermediate Chorus III (Bel Canto Choir) – 4x4 Semester Course**GaDOE State Course Number: 54.02230***Prerequisite: Intermediate Chorus II*

Enhances level-two skills and provides intermediate-level performers further opportunities to increase performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses self-paced progress and group experiences. Participation in choral performances outside of regular class hours is expected.

Intermediate Chorus IV (Bel Canto Choir) – 4x4 Semester Course**GaDOE State Course Number: 54.02240***Prerequisite: Intermediate Chorus III*

Enhances level-three skills and provides intermediate-level performers further opportunities to increase performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses self-paced progress and group experiences. Participation in choral performances outside of regular class hours is expected.

Mastery Mixed Chorus I (Chamber Choir) – 4x4 Semester Course**GaDOE State Course Number: 54.02350***Prerequisite: Audition Required or Teacher Recommendation*

This course provides opportunities for mastery-level performers to increase performance skills and knowledge in choral singing. It covers performance and production of more complex choral literature with an emphasis on analysis and theoretical studies, historical and cultural contributions and influences, and the creative aspects of music and music appreciation. An emphasis is placed on self-paced progress and a variety of group experiences. Participation in choral performances outside of regular class hours is expected.

Mastery Mixed Chorus II (Chamber Choir) – 4x4 Semester Course**GaDOE State Course Number: 54.02360***Prerequisite: Mastery Mixed Chorus I*

Enhances level-one skills and provides further opportunities for mastery-level performers to increase performance skills and knowledge in choral singing. Covers performance and production of more complex choral literature with an emphasis on analysis and theoretical studies, historical and cultural contributions and influences, and the creative aspects of music and music appreciation. Stresses self-paced progress and a variety of group experiences. Participation in choral performances outside of regular class hours is expected.

Mastery Mixed Chorus III (Chamber Choir) – 4x4 Semester Course**GaDOE State Course Number: 54.02370***Prerequisite: Mastery Mixed Chorus II*

Enhances level-two skills and provides further opportunities for mastery-level performers to increase performance skills and knowledge in choral singing. Covers performance and production of more complex choral literature with an emphasis on analysis and theoretical studies, historical and cultural contributions and influences, and the creative aspects of music and music appreciation. Stresses self-paced progress and a variety of group experiences. Participation in choral performances outside of regular class hours is expected.

Mastery Mixed Chorus IV (Chamber Choir) – 4x4 Semester Course

GaDOE State Course Number: 54.02380

Prerequisite: Mastery Mixed Chorus III

Enhances level-three skills and provides further opportunities for mastery-level performers to increase performance skills and knowledge in choral singing. Covers performance and production of more complex choral literature with an emphasis on analysis and theoretical studies, historical and cultural contributions and influences, and the creative aspects of music and music appreciation. Stresses self-paced progress and a variety of group experiences. Participation in choral performances outside of regular class hours is expected.

DANCE

Dance I – Full Year Course

GaDOE State Course Number: 51.05300

Prerequisite: None

Introduces students to basic dance knowledge in order to develop coordination, flexibility, and strength while acquiring technical skills in preparation for further dance study. Students explore the role of dance in various cultures, and observe and critique dance performances using specified criteria and appropriate dance terminology. Participation in dance performances outside of regular class hours is expected.

Dance II – Full Year Course

GaDOE State Course Number: 51.05400

Prerequisite: Dance I or Teacher Approval

Enhances previous course. Further develops knowledge and skills in various dance forms with an emphasis on technical instruction in ballet, jazz, and modern techniques, public performance techniques, and choreographic concepts. Students study dance analysis, dance history, and movement sciences as they relate to injury prevention and technical training. Participation in dance performances outside of regular class hours is expected.

Dance III – Full Year Course

GaDOE State Course Number: 51.05500

Prerequisite: Dance II or Teacher Approval

Enhances previous course. Offers a comprehensive understanding of the elements of movement and dance technique. Areas of concentration include choreography, dance analysis, dance history, and movement science with an emphasis on intermediate technical instruction in ballet, jazz, and modern techniques. Participation in dance performances outside of regular class hours is expected.

Performance Ensemble I – Full Year Course

GaDOE State Course Number: 51.06800

Prerequisite: Dance III

Focuses on utilizing pre-professional ballet and contemporary techniques with an emphasis on presenting faculty and student generated works in varied settings (e.g. traditional stages, site-specific works, younger audiences, assisted living communities). The goal of the class is to increase dance awareness to the public by performing for the extended community at large. The group will function as a self-governing entity with preparation for a professional dance occupation as a member of a dance company. Participation in dance performances outside of regular class hours is expected.

Performance Ensemble II – Full Year Course

GaDOE State Course Number: 51.06810

Prerequisite: Performance Ensemble I

Enhances previous course. Focuses on managerial and leadership skills with an emphasis on choreographing student generated works to be presented in varied settings (e.g. traditional stages, site-specific works, younger audiences, assisted living communities). Class familiarizes students with logistics and time management, becoming leaders/directors of the performance ensemble class, and prepares students for a professional dance occupation as director of a dance company. Participation in dance performances outside of regular class hours is expected.

Dance Composition – Full Year Course

GaDOE State Course Number: 51.05200

Prerequisite: : Performance Ensemble II

Introduces dance composition covering methods to identify and execute the basic principles of composition (e.g. improvisation, use of movement qualities, musical forms, design, production elements). Concentrates on the development of themes and performance of multiple phrase compositions for individuals and groups. Emphasizes individual creativity and use of choreographic tools. Participation in dance performances outside of regular class hours is expected.

DRAMA/THEATRE

Fundamentals of Theatre I – Fall/Spring Course

GaDOE State Course Number: 52.02100

Prerequisite: None

This course serves as an introduction to the theatre arts. Students investigate theatre as a whole by exploring the techniques and origins of a wide variety of theatre arts in various cultures and periods. Students will explore the career opportunities available in theatre. Students are expected to perform in front of an audience of their peers. No after school performances are required, but students are encouraged to participate in our variety of after school productions. This is an entry level class.

Acting I – Full Year Course

GaDOE State Course Number: 52.06100

Prerequisite: None

Introduces the acting process and the role of the actor in various styles/methods with a focus on scene study. Stresses developing imagination, observation, concentration powers, and self-discipline. Includes developing physical and vocal control while transmitting emotions, convictions, and ideas; enhances self-confidence and self-awareness. Theatre is used as a means to encourage cooperative learning, teamwork, organization, and leadership skills. The class allows all students the opportunity to perform on a regular basis. Participation in theatre performances outside of regular class hours is expected.

Acting II – Full Year Course

GaDOE State Course Number: 52.06200

Prerequisites: Acting I

Enhances level-one skills with emphasis on classical and historical scene study. Participation in theatre performances outside of regular class hours is expected.

Acting III – Full Year Course

GaDOE State Course Number: 52.06300

Prerequisites: Acting II

Enhances level-two skills with emphasis on advanced monologue work, advanced scene study, extensive audition training, student-directing, ensemble acting in a variety of main-stage productions, and object exercises. Participation in theatre performances outside of regular class hours is expected.

Advanced Drama I – Full Year Course

GaDOE State Course Number: 52.05100

Prerequisite: Audition or teacher recommendation

Studies the artistic, technical, management, and performance elements of a live theatre production. As a part of the planning, rehearsal, and performance, students assume positions of responsibility and demonstrate basic knowledge and skills in acting, directing, artistic criticism, script analysis, staging, character creation, vocal techniques, and physical movement. Students recognize the responsibilities of the producer, director, actors, designers, technicians, and managers through collaboration in the creation of a theatre performance. Students will explore the career opportunities available in theatre. Participation in theatre performances outside of regular class hours is required. Students in this course participate in the GHSA Region One Act Play Competition.

Advanced Drama II — Full Year Course

GaDOE State Course Number: 52.05200

Prerequisite: Advanced Drama I

Enhances Level-one skills, focusing on student direction and design. Students will explore the career opportunities available in theatre. Participation in theatre performances outside of regular class hours is required. Students in this course participate in the GHSA Region One Act Play Competition.

Advanced Drama III – Full Year Course

GaDOE State Course Number: 52.05300

Prerequisite: Advanced Drama II

Enhances Level-two skills, focusing on student direction, playwriting, and design. Students will explore the career opportunities available in theatre. Participation in theatre performances outside of regular class hours is required. Students in this course participate in the GHSA Region One Act Play Competition.

Advanced Drama IV – Full Year Course

GaDOE State Course Number: 52.05400

Prerequisite: Advanced Drama II

Enhances Level-three skills, focusing on student direction, playwriting, and design. Students will explore the career opportunities available in theatre. Participation in theatre performances outside of regular class hours is required. Students in this course participate in the GHSA Region One Act Play Competition.

IB Theatre, Year 1 SL or HL – Full Year Course

GaDOE State Course Number: 52.05300

Prerequisites: 1 year of (any) Theatre course; students must commit to taking IB Theatre exam

This course aims to help students understand the nature of the theatre by creating it as well as by studying it, and to understand the forms it takes in other cultures. Participation in theatre performances outside of regular class hours is expected. This is Year 1 of the two-year IB Theatre course.

IB Theatre, Year 2 SL or HL – Full Year Course

GaDOE State Course Number: 52.05400

Prerequisites: IB Theatre Year 1; students must commit to taking IB Theatre exam

This course aims to help students understand the nature of the theatre by creating it as well as by studying it, and to understand the forms it takes in other cultures. Participation in theatre performances outside of regular class hours is expected. Prepares students for the IB Theatre exam which students are required to take.

Technical Theatre I – Full Year Course

GaDOE State Course Number: 52.04100

Prerequisite: Teacher Recommendation

Recommended corequisite, but not required: Fundamentals of Theatre or Advanced Drama

This introductory course explores the definition, design, and use of technical elements associated with theatre sets, props, costumes, makeup, lights, and sound. Explores the career opportunities available in theatre. This course will offer hands-on experience (power tools, painting, saws, etc.) and will require students to work after school hours.

Technical Theatre II – Full Year Course

GaDOE State Course Number: 52.04200

Prerequisite: Technical Theatre I

Enhances level-one skills and introduces aspects of student design, creation of lighting, sound, properties, costumes, and make-up design while offering opportunities to apply skills in these areas. Explores the career opportunities available in theatre. This course will offer hands-on experience (power tools, painting, saws, etc.) and will require students to work after school hours.

Technical Theatre III– Full Year Course
GaDOE State Course Number: 52.04300

Prerequisite: Technical Theatre II

Enhances level-two skills in drafting and set design, and includes in-depth exploration of light operation, sound operation, stage management, costume construction, set development, make-up, and production staff. Explores the career opportunities available in theatre. This course will offer hands-on experience (power tools, painting, saws, etc.) and will require students to work after school hours.

Technical Theatre IV– Full Year Course
GaDOE State Course Number: 52.04400

Prerequisite: Technical Theatre III

Enhances level-three skills and offers opportunities to solve problems in supervising and managing all aspects of production. Explores technical directing and directing responsibilities with opportunities to apply skills in these areas. Explores the career opportunities available in theatre. This course will offer hands-on experience (power tools, painting, saws, etc.) and will require students to work after school hours.

Musical Theatre I – Full Year Course
GaDOE State Course Number: 52.03100

Prerequisite: Audition or Teacher Recommendation

Introduces the style and characteristic elements of musical theater. Explores the mechanics of production, staging, voice, and dance. Explores the career opportunities available in musical theatre and offers opportunities for performance. Participation in theatre performances outside of regular class hours is required. Students in this course will perform in our Spring Musical.

Musical Theatre II – Full Year Course
GaDOE State Course Number: 52.03200

Prerequisite: Musical Theatre I and Audition/Teacher Recommendation

Enhances level-one skills with a focus on production and provides opportunities for performance. Participation in theatre performances outside of regular class hours is expected. This course will provide students a skill set for post-graduation and explores the career opportunities available in theatre. Participation in theatre performances outside of regular class hours is required. Students in this course will perform in our Spring Musical.

Musical Theatre III – Full Year Course
GaDOE State Course Number: 52.03300

Prerequisite: Musical Theatre II and Audition/Teacher Recommendation

Enhances level-two skills with a focus on production and career paths while providing opportunities for performance. Participation in theatre performances outside of regular class hours is expected. This course will provide students a skill set for post-graduation and explores the career opportunities available in theatre. Participation in theatre performances outside of regular class hours is required. Students in this course will perform in our Spring Musical.

Musical Theatre IV – Full Year Course
GaDOE State Course Number: 52.03400

Prerequisite: Musical Theatre III and Audition/Teacher Recommendation

Enhances level-three skills with a focus on production and career paths while providing opportunities for performance. Participation in theatre performances outside of regular class hours is expected. This course will provide students a skill set for post-graduation and explores the career opportunities available in theatre. Participation in theatre performances outside of regular class hours is required. Students in this course will perform in our Spring Musical.

VISUAL ARTS

Visual Arts/Comprehensive I – Fall/Spring Course

GaDOE State Course Number: 50.0211041

Prerequisite: None

Introduces art history, art criticism, aesthetic judgment, and studio production. Emphasizes the ability to understand and use elements and principles of design through a variety of media, processes, and visual resources. Explores master artworks for historical and cultural significance.

Drawing I – Fall/Spring Course

GaDOE State Course Number: 50.03110

Prerequisite: Visual Arts/Comprehensive I or teacher approval

Explores a variety of drawing techniques and media. Emphasizes development of basic drawing skills and critical analysis skills for responding to master drawings. Examines solutions to drawing problems through student drawings and those of other artists. Covers Western and non-Western cultures.

Drawing II – Fall/Spring Course

GaDOE State Course Number: 50.03120

Prerequisite: Drawing I

Students must pass Visual Arts/Drawing I to take this course. Enhances level one skills in technique and provides further exploration of drawing media; reinforces basic drawing skills and critical analysis skills for responding to master drawings of different historical styles and periods. Examines solutions to drawing problems through student drawings and those of other artists.

Painting I – Fall/Spring Course

GaDOE State Course Number: 50.03210

Prerequisite: Visual Arts/Comprehensive I or teacher approval

Explores a variety of techniques and wide range of painting media. Emphasizes developing basic painting and critical analysis skills for responding to master paintings. Examines solutions to painting problems through the study of color theory and composition. Emphasizes the concept and development of personal style. Covers Western and non-Western cultures.

Painting II – Fall/Spring Course

GaDOE State Course Number: 50.03220

Prerequisite: Painting I

Enhances level-one painting skills and offers opportunities to apply painting techniques in a variety of media. Emphasizes critical analysis skills for responding to master paintings of different styles and historical periods. Resolves selected painting problems and emphasizes the concept and development of personal style.

Sculpture I – Fall/Spring Course

GaDOE State Course Number: 50.06110

Prerequisite: Visual Arts/Comprehensive I or teacher approval

Introduces the design and production of relief sculpture and sculpture-in-the-round. Emphasizes the historical origins and functions of sculpture in Western and non-Western cultures. Includes additive, subtractive, and modeling methods. Explores traditional and nontraditional materials for sculpted works and the work of both historical and contemporary sculptural artists.

Sculpture II – Fall/Spring Course

GaDOE State Course Number: 50.06120

Prerequisite: Sculpture I

Enhances level-one skills and explores the design and production of relief sculpture and sculpture-in-the-round. Emphasizes the historical origins and functions of sculpture in Western and non-Western cultures. Includes additive, subtractive, and modeling, methods. Explores traditional and nontraditional materials for sculpted works and the work of a variety sculptural artists.

Advanced Placement Studio: Drawing Portfolio – Full Year Course

GaDOE State Course Number: 50.08110

Prerequisite: Drawing II, Painting II, or Sculpture II

Students will be prepared to submit the CollegeBoard Advanced Placement Drawing portfolio during this course.

Conforms to CollegeBoard topics for the Advanced Placement Studio Art Drawing Portfolio Examination. Requires submission of original works and slides to be evaluated on quality. Provides experiences using different drawing media and approaches; designed for students interested in the practical experiences of art.

Advanced Placement Studio: 2D Design Portfolio – Full Year Course

GaDOE State Course Number: 50.08130

Prerequisite: Drawing II, Painting II, or Sculpture II

Students will be prepared to submit the CollegeBoard Advanced Placement 2-D Art & Design portfolio during this course.

Conforms to CollegeBoard topics for the Advanced Placement Studio 2D Design Portfolio Examination. Requires submission of original works and slides to be evaluated on quality. Provides experiences using different drawing media and approaches; designed for students interested in the practical experiences of art.

Advanced Placement Studio: 3D Design Portfolio – Full Year Course

GaDOE State Course Number: 50.08140

Prerequisite: Drawing II, Painting II, or Sculpture II

Students will be prepared to submit the CollegeBoard Advanced Placement 3-D Art & Design portfolio during this course.

Conforms to CollegeBoard topics for the Advanced Placement Studio 3D Design Portfolio Examination. Requires submission of original works and slides to be evaluated on quality. Provides experiences using different drawing media and approaches; designed for students interested in the practical experiences of art.

HEALTH

Health – Fall/Spring Course

GaDOE State Course Number: 17.01100

This course will be delivered using a blended teaching model that combines Edgenuity online content with off-line lessons and content delivered by our certified Health Instructors. Explores the mental, physical and social aspects of life and how each contributes to total health and well-being. Emphasizes safety, nutrition, mental health, substance abuse prevention, disease prevention, environmental health, family life education, health careers, consumer health, and community health.

PHYSICAL EDUCATION

Personal Fitness – Fall/Spring Course

GaDOE State Course Number: 36.05100

Introduces instruction in methods to attain a healthy level of physical fitness; implements a lifetime fitness program based on a personal fitness assessment and stresses strength, muscular endurance, flexibility, body composition, and cardiovascular endurance; includes instruction in fitness principles, nutrition, fad diets, weight control, stress management, adherence strategies, and consumer information; and promotes self-awareness and responsibility for fitness.

Introduction to Team Sports – Fall/Spring Course

GaDOE State Course Number: 36.02100

Introduces fundamental skills, strategies, and rules associated with team sports such as basketball, volleyball, soccer, softball, baseball, field hockey, lacrosse, team handball, and flag football.

Intermediate Team Sports – Fall/Spring Course

GaDOE State Course Number: 36.03100

Enhances skills and strategies in team sports such as basketball, volleyball, soccer, softball, baseball, field hockey, lacrosse, team handball and flag football.

Advanced Team Sports – Fall/Spring Course

GaDOE State Course Number: 36.04100

Provides opportunities to officiate and to enhance skills in team sports strategies.

Introduction to Life Sports – Fall/Spring Course

GaDOE State Course Number: 36.02200

Introduces fundamental skills, strategies, and rules associated with lifetime sports such as bowling, golf, tennis, racquetball, baseball, badminton, roller skating, and skiing.

Intermediate Life Sports – Fall/Spring Course

GaDOE State Course Number: 36.03200

Enhances skills and strategies in lifetime sports such as bowling, golf, tennis, racquetball, baseball, badminton, roller skating and skiing.

Advanced Life Sports – Fall/Spring Course

GaDOE State Course Number: 36.04200

Refines skills and explores the technical aspects of lifetime sports.

Introduction to Recreational Games – Fall/Spring Course

GaDOE State Course Number: 36.02700

Introduces recreational games suitable for lifetime leisure activities. Emphasizes the rules of each game and the skills necessary to play.

Intermediate Recreational Games – Fall/Spring Course

GaDOE State Course Number: 36.03700

Enhances skills and strategies in recreational games suitable for lifetime leisure activities.

Advanced Recreational Games – Fall/Spring Course

GaDOE State Course Number: 36.04700

Refines skills and explores the technical aspects of leisure activities.

Physical Conditioning – Fall/Spring Course

GaDOE State Course Number: 36.05200

Prerequisite: Teacher Approval

Provides opportunities to participate in a variety of activities to enhance flexibility, muscular strength and endurance, cardiovascular endurance and body composition. Includes fitness concepts for the development of healthy lifetime habits.

Weight Training – Fall/Spring Course

GaDOE State Course Number: 36.05400

Prerequisite: Teacher Approval

Introduces weight training; emphasizes strength development training and proper lifting techniques. Includes fitness concepts for developing healthy lifetime habits.

Advanced Weight Training – Fall/Spring Course

GaDOE State Course Number: 36.06400

Prerequisite: Teacher Approval

Prerequisite: Teacher Recommendation Only

Increases strength and cardiovascular fitness through an individualized weight-training program. Emphasizes self-management and adherence strategies.

Body Sculpting – Fall/Spring Course

GaDOE State Course Number: 36.05600

Prerequisite: Teacher Approval

Provides methods to redefine body shape through specific exercises. Based on the American College of Sports Medicine guidelines for fitness and conditioning programs, this course covers weight training, conditioning exercises, and proper nutrition to improve muscle tone, muscle definition, posture, bodily proportions, and overall condition of the body and energy levels.

IB CORE

IB Theory of Knowledge I – Spring Course

GaDOE State Course Number: 35.07000

Prerequisite: Junior IB Diploma Candidate

Required for all IB Diploma candidates and taken spring semester of 11th grade as well as fall semester of 12th grade. Helps students connect knowledge across disciplines and become discerning users of knowledge.

IB Theory of Knowledge II – Fall Course

GaDOE State Course Number: 35.07100

Prerequisite: Theory of Knowledge I & senior IB Diploma Candidate

Required for all IB Diploma candidates and taken spring semester of 11th grade as well as fall semester of 12th grade. Helps students connect knowledge across disciplines and become discerning users of knowledge.

IBCP Personal & Professional Skills I – Spring Course

GaDOE State Course Number: 35.08000

Prerequisite: IB Career-related Candidate, Junior year course

Required for all IB Career-related Certificate candidates and taken spring semester of 11th grade as well as fall semester of 12th grade. Helps students develop essential 21st century workplace skills in the areas of thinking, communication, personal development, and intercultural understanding. The course emphasizes an ethical approach to career and a student's career pathway choice.

IBCP Personal & Professional Skills II – Fall Course

GaDOE State Course Number: 35.08700

Prerequisite: IB Career-related Candidate, Senior year course

Required for all IB Career-related Certificate candidates and taken spring semester of 11th grade as well as fall semester of 12th grade. Helps students develop essential 21st century workplace skills in the areas of thinking, communication, personal development, and intercultural understanding.

STUDY SKILLS

SAT Prep- Fall/Spring Course

GaDOE State Course Number: 35.06600

Prerequisite: Scheduling priority is given to Juniors, then Seniors

During a semester-long elective, an Applerouth instructor will teach the students test content, strategies, and test-taking skills for the current version of the SAT and ACT. The *Applerouth SAT Guide*, *Applerouth ACT Guide*, full-length mock tests and licenses to online prep materials will all be provided to students.

Transition to High School IV

GaDOE State Course Number: 35.06800

Prerequisite: Administrative approval

This course is for 9th grade students who complete the MHS summer EXCELeRate Academy.

MATHEMATICS

GSE Foundations of Algebra – Full Year Course

GaDOE State Course Number: 27.04810

Foundations of Algebra is a first-year high school mathematics course option for students who have completed mathematics in grades 6 - 8, yet will need substantial support to bolster success in high school mathematics. It will provide many opportunities to revisit and expand the understanding of foundational algebra concepts, will employ diagnostic means to offer focused interventions, and will incorporate varied instructional strategies to prepare students for required high school mathematics courses by emphasizing both algebra and numeracy in a variety of contexts including number sense, proportional reasoning, quantitative reasoning with functions, and solving equations and inequalities.

Algebra: Concepts and Connections – Full Year Course

GaDOE State Course Number: 27.08110

Concurrently taught – Algebra Support for Algebra: Concepts and Connections – Full Year Course

GaDOE State Course Number: 27.08120

Algebra: Concepts and Connections: This course is designed as the first course in a three-course series. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics. This course focuses on algebraic, quantitative, geometric, graphical, and statistical reasoning. In this course, students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of linear functions, sums and products of rational and irrational numbers, systems of linear inequalities, distance, midpoint, slope, area, perimeter, nonlinear equations and functions, quadratic expressions, equations and functions, exponential expressions, equations, and functions, and statistical reasoning

Algebra Support for Algebra: Concepts and Connections: This course should be used in conjunction with 27.08110; the purpose of a mathematics support class is to address the needs of students in mathematics by providing the additional time and attention needed in order to successfully complete their regular grade-level mathematics course. Mathematics support courses are elective classes that should be taught concurrently with a student's regular mathematics class.

Honors Algebra: Concepts and Connections – Full Year Course

GaDOE State Course Number: 27.08110

Algebra: Concepts and Connections is designed as the first course in a three-course series. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics. This course focuses on algebraic, quantitative, geometric, graphical, and statistical reasoning. In this course, students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of linear functions, sums and products of rational and irrational numbers, systems of linear inequalities, distance, midpoint, slope, area, perimeter, nonlinear equations and functions, quadratic expressions, equations and functions, exponential expressions, equations, and functions, and statistical reasoning

Geometry: Concepts and Connections – Full Year Course

Honors Geometry: Concepts and Connections – Full Year Course

GaDOE State Course Number: 27.08210

Geometry: Concepts and Connections is designed as the second course in a three-course series. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability. High school course content standards are listed by big ideas including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometry Patterning and Spatial Reasoning.

Geometry Support for Geometry: Concepts and Connections – Full Year Class

GaDOE State Course Number: 27.08220

Co-Requisite: Geometry: Concepts and Connections

This course should be used in conjunction with 27.08210; the purpose of a mathematics support class is to address the needs of students who have traditionally struggled in mathematics by providing the additional time and attention they need in order to successfully complete their regular grade-level mathematics course without failing. Mathematics support courses are elective classes that should be taught concurrently with a student's regular mathematics class.

Advanced Algebra: Concepts & Connections – Full Year Course

Honors Advanced Algebra: Concepts & Connections – Full Year Course

GaDOE State Course Number: 27.08310

Advanced Algebra: Concepts & Connections is the culminating course in a sequence of three high school courses designed to ensure career and college readiness. It is designed to prepare students for fourth course options relevant to their career pursuits. High school course content standards are listed by big ideas including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometry Patterning and Spatial Reasoning.

This course is designed as the third course in a three-course series. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.

Advanced Algebra Support for Advanced Algebra: Concepts & Connections – Full Year Course

GaDOE State Course Number: 27.08320

**This course is only available to select students. Administrative recommendations only.*

Co-Requisite: Advanced Algebra: Concepts & Connections

This course should be used in conjunction with 27.08310; the purpose of a mathematics support class is to address the needs of students who have traditionally struggled in mathematics by providing the additional time and attention they need in order to successfully complete their regular grade-level mathematics course without failing. Mathematics support courses are elective classes that should be taught concurrently with a student's regular mathematics class.

Honors Enhanced Advanced Algebra and AP Precalculus: Concepts and Connections – Full Year Course

GaDOE State Course Number: 27.09310

Students will be prepared to take the CollegeBoard Advanced Placement Precalculus test after completion of this course.

Enhanced Advanced Algebra & Precalculus is a thoughtful blend of Advanced Algebra: Concepts & Connections and Precalculus. Students will be provided the opportunity to develop a deep understanding of concepts in Algebra that are critical to the study of Calculus as well as an understanding of trigonometry and its applications. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.

Throughout the course there should be a focus on notational fluency and the use of multiple representations. The course includes the study and analysis of piecewise and rational functions; limits and continuity as related to piecewise and rational functions; sequences and series with the incorporation of convergence and divergence; conic sections as implicitly defined curves; the six trigonometric functions and their inverses; applications of trigonometry such as modeling periodic phenomena, modeling with vectors and parametric equations, solving oblique triangles in contextual situations, graphing in the Polar Plane; solutions of

trigonometric equations in a variety of contexts; and the manipulation and application of trigonometric identities.

The identified Prerequisite for this course is Geometry: Concepts & Connections.

Advanced Mathematical Decision Making – Full Year Course

GaDOE State Course Number: 27.08500

This is a fourth year math course designed to follow the completion of Advanced Algebra or Algebra II, OR Accelerated Analytic Geometry B/Advanced Algebra, Accelerated Geometry B/Algebra II, or Accelerated Mathematics II. The course will give students further experiences with statistical information and summaries, methods of designing and conducting statistical studies, an opportunity to analyze various voting processes, modeling of data, basic financial decisions, and network models for making informed decisions.

Statistical Reasoning – Full Year Course

GaDOE State Course Number: 27.08800

The Statistical Reasoning course offers students opportunities to strengthen their understanding of the statistical method of inquiry and statistical simulations. Students will formulate statistical investigative questions to be answered using data, will design and implement a plan to collect the appropriate data, will select appropriate graphical and numerical methods for data analysis, and will interpret their results to make connections with the initial question. The Standards for Mathematical Practices and Mathematical Modeling, through a statistical lens, will provide the foundation for instruction and assessment. Topics should be introduced and assessed using simulations and appropriate supporting technology.

Advanced Placement Precalculus - Full Year Course

GaDOE State Course Number: 27.07410

Students will be prepared to take the CollegeBoard Advanced Placement Precalculus test after completion of this course.

Prerequisite: Earn an A, or B in both parts of Algebra II

Advanced Placement Precalculus is a course that follows the College Board syllabus for the Advanced Placement Precalculus Examination. The four major themes are Polynomial and Rational Functions, Exponential and Logarithmic Functions; Trigonometric and Polar Functions, and Functions involving Parameters, Vectors, and Matrices.

Advanced Placement Statistics – Full Year Course

GaDOE State Course Number: 27.07400

Students will be prepared to take the CollegeBoard Advanced Placement Statistic test after completion of this course.

Prerequisite: Earn an A, B, or C in both parts of Algebra II

Advanced Placement Statistics is a course that follows the College Board syllabus for the Advanced Placement Statistics Examination. Covers four major themes: exploratory analysis, planning a study, probability, and statistical inference.

Advanced Placement Calculus AB – Full Year Course

GaDOE State Course Number: 27.07200

Students will be prepared to take the CollegeBoard Advanced Placement Calculus AB test after completion of this course.

Prerequisite: Pre-calculus or IB Analysis & Approaches SL, Year 1

Advanced Placement Calculus AB is a course that follows the College Board syllabus for the Advanced Placement Calculus AB Examination. Includes properties of functions and graphs, limits and continuity, differential, and integral calculus.

Advanced Placement Calculus BC – Full Year Course

GaDOE State Course Number: 27.07300

Students will be prepared to take the CollegeBoard Advanced Placement Calculus BC test after completion of this course.

Prerequisite: Pre-calculus or IB Analysis & Approaches SL, Year 1

Advanced Placement Calculus BC is a course that follows College Board topics for the Advanced Placement Calculus BC Examination. Covers Advanced Placement Calculus AB topics and includes vector functions, parametric equations, conversions, parametrically defined curves, tangent lines, and sequence and series.

IB Math Applications and Interpretation SL, Year 2 (IB Math AI) - Full Year Course

GaDOE State Course Number: 27.05360

Prerequisite: Honors Algebra II or Accelerated Geometry/Algebra II; students must commit to taking the IB Math Applications exam

This course prepares MHS IB students for the IB Math Applications SL exam. Topics include probability, statistics, sequences/series, modeling with functions, 3D geometry/trigonometry, simple differential/integral calculus - all with an eye towards applying mathematics to real world situations. The course also involves work with mathematical writing in the form of the IB Program's internal assessment assignments. Students must commit to taking the IB Math Applications exam.

IB Math Analysis & Approaches SL, Year 1 (IB Math AA SL, Year 1) – Full Year Course

GaDOE State Course Number: 27.05310

Prerequisite: Earn an A or B in Honors Algebra II or Accelerated Geometry B/Algebra II

The first of two courses that prepare MHS IB students for the IB Math Analysis SL exam. The course follows the non-calculus topics of the IB syllabus for Mathematics Analysis & Approaches Standard Level. Topics include trigonometric & circular functions; probability; statistics; distributions; as well as other pre-calculus topics. This is the first year of a two year sequence preparing students to take the IB Math Analysis & Approaches SL exam.

IB Math Analysis & Approaches SL, Year 2 (IB Math AA SL, Year 2) – Full Year Course

GaDOE State Course Number: 27.05320

Prerequisite: IB Math Analysis & Approaches SL, Year 1

The second of two courses that prepare MHS IB students for the IB Math Analysis SL exam. The course follows the calculus topics of the IB syllabus for Mathematics Analysis & Approaches Standard Level. Topics include properties of functions, limits, differential calculus, and integral calculus. This is the second year of a two year sequence preparing students to take the IB Math Analysis & Approaches SL exam.

IB Math Analysis & Approaches HL, Year 1 (IB Math AA HL, Year 1) – Full Year Course

GaDOE State Course Number: 27.05330

Prerequisite: Earn an A or B+ in Honors Algebra II or Accelerated Geometry B/Algebra II

This is the first year of a two year sequence preparing students to take the IB Math Analysis & Approaches HL exam. This course covers the highest level IB math topics, including mathematical induction, vector geometry, continuous and discrete random variables, complex numbers, and differential equations. The course also involves work with mathematical writing in the form of the IB Program's internal assessment assignments. Although the focus will be on preparation for the IB Math HL exam, students will also cover topics on the AP Calculus AB exam.

IB Math Analysis & Approaches HL, Year 2 (IB Math AA HL, Year 2) – Full Year Course

GaDOE State Course Number: 27.05340

Prerequisite: IB Math Analysis & Approaches, Year 1 & Year 2 SL

The third of three courses that prepare MHS IB students for the IB Math Analysis HL exam. This course covers most of the AP Calculus BC exam topics, as well as the highest level IB math topics, including mathematical induction, vector geometry, continuous and discrete random variables, complex numbers, and differential equations. The course also involves work with mathematical writing in the form of the IB Program's internal assessment assignments. Students covered the topics of IB Math AA HL Year 1 by completing the IB AA SL two year course sequence.

ONLINE COURSES

GAVS Classes – Fall/Spring Course

These are an online course option specifically created to offer students the opportunity to take course not taught at Marietta High School. Please see your counselor for more information. See online [Georgia Virtual School](http://www.gavirtualschool.org) offerings at www.gavirtualschool.org.

Digital Learning Lab- Fall/Spring Course

This is an online course specifically created for students to recover credits in a core area. Please see your counselor for more information.

SCIENCE

Biology I – Full Year Course

Honors Biology I – Full Year Course

GaDOE State Course Number: 26.01200

The Biology curriculum is designed to continue student investigations of the life sciences that began in grades K-8 and provide students with the necessary skills to be proficient in biology. This curriculum includes more abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the behavior of organisms, and biological evolution. Students will investigate biological concepts through experience in laboratories and field work using the processes of inquiry.

IB Biology, Year 1 SL – Full Year Course

GaDOE State Course Number: 26.01800

Students will be prepared to take the CollegeBoard Advanced Placement Biology test after completion of this course.

Prerequisite Biology I

Students study the following five core topics; cells, the chemistry of life, genetics, ecology and evolution, and human health and physiology. This is the first year of a two year sequence preparing students to take the IB Biology SL exam..

IB Biology, Year 2 SL – Full Year Course

GaDOE State Course Number: 26.01900

Prerequisite IB Biology, Year 1

Students study the following five core topics; cells, the chemistry of life, genetics, ecology and evolution, and human health and physiology. This is the second year of a two year sequence preparing students to take the IB Biology SL exam.

Environmental Science – Full Year Course

GaDOE State Course Number: 26.06110

The Environmental Science curriculum is designed to extend student investigations that began in grades K-8. This curriculum is extensively performance, lab and field based. It integrates the study of many components of our environment, including the human impact on our planet focusing on student data collection and analysis. Interpretation of global data sets from scientific sources and Internet resources are utilized for global data sets as well as interactive models. Chemistry, physics, mathematical, and technological concepts are integrated throughout the course. Careers related to environmental science are emphasized.

IB Environmental Systems, Year 1 SL – Full Year Course

GaDOE State Course Number: 26.06300

Prerequisite: Biology I

The course provides students with a coherent perspective on the environment that is essentially scientific, and above all enables them to adopt an informed and responsible stance on the wide range of environmental issues they will inevitably come to face. Students are required to study four broad topics; systems and models, ecosystems, global cycles and physical systems, and human population and carrying capacity. Students must complete additional study in analyzing ecosystems plus one choice from either impacts of resources exploitation, conservation and biodiversity and/or pollution management. This is the first year of a two year sequence preparing students to take the IB Environmental Systems and Societies SL exam.

IB Environmental Systems, Year 2 SL – Full Year Course

GaDOE State Course Number: 26.06310

Prerequisite: IB Environmental Systems, Year 1

Students will be prepared to take the CollegeBoard Advanced Placement Environmental Science test after completion of this course.

Through studying environmental systems and societies (ES&S) students will be provided with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will

inevitably come to face. This is the second year of a two year sequence preparing students to take the IB Environmental Systems and Societies SL exam.

Zoology – Full Year Course

GaDOE State Course Number: 26.07100

This is a laboratory based, fourth science course that will survey the nine major phyla of the Kingdom Animalia. Morphology, taxonomy, anatomy, and physiology of porifera, cnidaria, platyhelminthes, nematode, rotifer, annelid, bryozoa, mollusca, arthropods, echinodermata, hemichordate, chordata, agnatha, chondrichthyes, osteichthyes, amphibian, reptilian, aves, and mammalian will be investigated through comparative studies done during laboratory observations and dissections. Furthermore, students will compare and contrast methods used by organisms from different phyla to accomplish basic life processes.

Chemistry I – Full Year Course

Honors Chemistry I – Full Year Course

GaDOE State Course Number: 40.05100

Prerequisite: Final grade of 80%+ in Biology I & Algebra I or equivalent, or Teacher Approval

The Chemistry curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students with the necessary skills to be proficient in chemistry. This curriculum includes more abstract concepts such as the structure of atoms, structure and properties of matter, characterization of the properties that describe solutions and the nature of acids and bases, and the conservation and interaction of energy and matter. Students investigate chemistry concepts through experience in laboratories and field work using the processes of inquiry.

IB Chemistry, Year 1 SL – Full Year Course

GaDOE State Course Number: 40.05500

Prerequisite: Final grade of 80%+ in Biology I & Algebra I or equivalent

Students will be prepared to take the CollegeBoard Advanced Placement Chemistry test after completion of this course.

Standard level designed to introduce students to the theories and practical techniques involved in the composition, characterization, and transformation of substances. As the central science, the chemical principles investigated underpin both the physical world in which we live and all biological systems. This is the first year of a two year sequence preparing students to take the IB Chemistry SL exam.

IB Chemistry, Year 2 SL – Full Year Course

GaDOE State Course Number: 40.05600

Prerequisite: IB Chemistry, Year 1

Standard level designed to introduce students to the theories and practical techniques involved in the composition, characterization, and transformation of substances. As the central science, the chemical principles investigated underpin both the physical world in which we live and all biological systems. This is the second year of a two year sequence preparing students to take the IB Chemistry SL exam.

Physical Science – Full Year Course

GaDOE State Course Number: 40.01100

The Physical Science curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to have a richer knowledge base in physical science. This course is designed as a survey course of chemistry and physics. This curriculum includes the more abstract concepts such as the conceptualization of the structure of atoms, motion and forces, and the conservation of energy and matter, the action/reaction principle, and wave behavior. Students investigate physical science concepts through experience in laboratories and field work using the processes of inquiry.

Honors Physics I – Full Year Course

GaDOE State Course Number: 40.08100

The Physics curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in physics. This curriculum includes more abstract concepts such as interactions of matter and energy, velocity, acceleration, force, energy, momentum, and charge. This course introduces the students to the study of the correction to Newtonian physics given by

quantum mechanics and relativity. Students investigate physics concepts through experience in laboratories and field work using the processes of inquiry.

IB Physics, Year 1 SL – Full Year Course

GaDOE State Course Number: 40.08500

Prerequisites: Biology I, Chemistry I, and Algebra II

Co-requisite: IB Math Analysis & Approaches SL Year 1 or Higher or teacher approval

Students will be prepared to take the CollegeBoard Advanced Placement Physics 1: Algebra Based test after completion of this course.

This course is designed to introduce students to the laws of physics, the experimental skill required in physics, and the social and historical aspects of physics as an evolving body of human knowledge about nature. This is the first year of a two year sequence preparing students to take the IB Physics SL exam.

IB Physics, Year 2 SL – Full Year Course

GaDOE State Course Number: 40.08600

Prerequisite: IB Physics, Year 1

Co-requisite: AP Calculus AB, IB AA SL Year 2, or teacher approval

The second of two IB Physics courses that introduce students to the theories, concepts, and practical techniques that explain the universe. Follows the IB Physics subject guide, and topics include: measurements & uncertainties; mechanics; thermal physics; waves; electricity & magnetism; circular motion & gravitation; atomic, nuclear, and particle physics; and energy production. This is the second year of a two year sequence preparing students to take the IB Physics SL exam.

Earth Systems – Taught through Edgenuity in the DLL or at the MPLC or MAPS ONLY

GaDOE State Course Number: 40.06400

Earth Systems Science is designed to continue student investigations that began in K-8 Earth Science and Life Science curricula and investigate the connections among Earth's systems through Earth history. These systems – the atmosphere, hydrosphere, geosphere, and biosphere – interact through time to produce the Earth's landscapes, ecology, and resources. This course develops the explanations of phenomena fundamental to the sciences of geology and physical geography, including the early history of the Earth, plate tectonics, landform evolution, the Earth's geologic record, weather and climate, and the history of life on Earth. Instruction should focus on inquiry and development of scientific explanations, rather than mere descriptions of phenomena. Case studies, laboratory exercises, maps, and data analysis should be integrated into units. Special attention should be paid to topics of current interest (e.g., recent earthquakes, tsunamis, global warming, price of resources) and to potential careers in the geosciences.

Forensic Science – Full Year Course

GaDOE State Course Number: 40.09300

In this course students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence.

SOCIAL STUDIES

American Government/Civics – Fall/Spring Course Honors American Government/Civics – Fall Course GaDOE State Course Number: 45.05700

An in-depth study of the American political system. This course focuses on the foundation, principles and structure of the American system of government, examines the role of political parties, social factors as they relate to the role of the citizen, and analyzes the decision-making process that are a part of the system of American political behavior. This course meets the state's Citizenship requirement for graduation.

Personal Finance and Economics – Fall/Spring Course Honors Personal Finance and Economics – Spring Course GaDOE State Course Number: 45.06100

Economics is the study of how individuals, businesses, and governments make decisions about the allocation of scarce resources. The economics course provides students with a basic foundation in the field of economics. The course has five sections: fundamental concepts, microeconomics, macroeconomics, international economics, and personal finance. In each area, students are introduced to major concepts and themes concerning that aspect of economics. These sections and the standards and elements therein may be taught in any order or sequence.

World History – Full Year Course Honors World History – Full Year Course GaDOE State Course Number: 45.08300

A survey course beginning with the earliest civilizations and highlighting important developments throughout the world until the early 21st century. The course includes topics related to Early Civilizations and Classical Empires; Growth, Expansion, and the Emergence of the Modern World; Global Interaction and Conflict; and the Contemporary World.

Advanced Placement World History – Full Year Course GaDOE State Course Number: 45.08110

Students will be prepared to take the CollegeBoard Advanced Placement World History test after completion of this course.

Conforms to College Board topics for the Advanced Placement World History Examination. Covers intellectual and cultural history, political and diplomatic history and social and economic history.

United States History – Full Year Course GaDOE State Course Number: 45.08100

Examines the history of the United States beginning with the British settlement of North America. The course's main focus is the development of the United States in the 20th and 21st centuries. The course includes topics related to Colonization through the Constitution; New Republic to Reconstruction; Industrialization, Reform, and Imperialism; Establishment as a World Power; and the Modern Era.

US History and Film – Fall/Spring Course GaDOE State Course Number: 45.08120

Explores United States History through film. This course includes analysis and interpretation of events through both print and film.

US and World Affairs – Fall/Spring Course GaDOE State Course Number: 45.09100

Focuses on global interrelationships, analyzing strategic geographic, political, economic and social issues that influence the United States' relationships with other countries in an interdependent world.

Ethnic Studies – Fall/Spring Course**GaDOE State Course Number: 45.03200**

Examines the diversity of American society; focuses on various ethnic groups that make up the American population. Covers cultural orientation, contributions of each group and cultural perspectives of each group. Integrates and reinforces social studies skills.

IB History of the Americas, Year 1 HL – Full Year Course**GaDOE State Course Number: 45.08700**

Students will be prepared to take the CollegeBoard Advanced Placement US History test after completion of this course.

Emphasizes the comprehensive study of the colonization, development, independence and formative periods in United States history during the period of 1500 to 1995 with the emphasis on 1800 to 1995. Examines the social, political and cultural trends from a regional perspective. This is the first year of a two-year sequence preparing students to take the IB History HL exam.

IB Twentieth Century History, Year 2 HL – Full Year Course**GaDOE State Course Number: 45.08810**

Prerequisite: IB History of the Americas, Year 1

Higher level: Promotes the acquisition and understanding of historical knowledge in breadth and in depth, and across different cultures and encourages an appreciation and understanding of history as a discipline, including the nature and diversity of its sources, methods and interpretations. This is the second year of a two-year sequence preparing students to take the IB History HL exam.

Advanced Placement Psychology – Full Year Course**GaDOE State Course Number: 45.01600**

Students will be prepared to take the CollegeBoard Advanced Placement Psychology test after completion of this course.

Conforms to CollegeBoard topics for the Advanced Placement Introductory Psychology Examination. Covers methods, approaches, and the history of psychology as a science, 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.

IB Psychology, Year 1 HL – Full Year Course**GaDOE State Course Number: 45.01700**

Gives students a broad understanding of psychology and of its different theoretical approaches. Guides students through the study of human behavior by examining key topics from four distinct perspectives: behavioral; cognitive; humanistic/ phenomenological; and psychodynamic. This is the first year of a two-year sequence preparing students to take the IB Psychology HL exam.

IB Psychology, Year 2 HL – Full Year Course**GaDOE State Course Number: 45.01710**

Prerequisite: IB Psychology, Year 1

Gives students a broad understanding of psychology and of its different theoretical approaches. Guides students through the study of human behavior by examining key topics from four distinct perspectives: behavioral; cognitive; humanistic/ phenomenological; and psychodynamic. This is the second year of a two-year sequence preparing students to take the required IB Psychology HL exam.

Current Issues – Fall Course**GaDOE State Course Number: 45.01200**

Prerequisite: Administrative placement

Analyzes current issues and influences that are related to these issues and examines how decisions are made concerning those issues. Integrates and reinforces social studies skills.

WORLD LANGUAGES

FRENCH

French I – Full Year Course

GaDOE State Course Number: 60.01100

Introduces the French language; emphasizes all skills: listening, speaking, reading, and writing in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of French-speaking cultures.

French II – Full Year Course

Honors French II – Full Year Course

GaDOE State Course Number: 60.01200

Prerequisite: French I or Honors French I (MMS)

Enhances Level One skills in French and provides opportunities to develop listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in how to greet and take leave of someone, to ask and respond to basic questions, and to speak and read within a range of carefully selected topics. Provides opportunities to increase understanding of French-speaking cultures.

Honors French III – Full Year Course

GaDOE State Course Number: 60.01300

Prerequisite: French II or Honors French II

Enhances Level Two skills in French and provides further opportunities to increase listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in previous topics and introduces new topics; offers further opportunities to increase understanding of French-speaking cultures.

IB French, Year 1 SL – Full Year Course

GaDOE State Course Number: 60.01120

Prerequisite: French II (Honors), French III (Honors), AP French, or Teacher Recommendation

The IB Second Language courses Standard Level offer students an enriched study of language, literature, and culture with relevance to international societies. Students review all language concepts and study representative writers in the original language independently and in groups. Students are immersed in a culturally rich environment in which they actively participate. They are assessed on effective and accurate communication. Tasks of the advanced language learner include use of the language within and outside of school, information and communication via technology, involvement in activities for personal enrichment and career development – all working to produce a lifelong learner. To achieve an appreciation and understanding of cultures, students will partake in interactive endeavors and a culturally rich environment where their ability to communicate effectively and accurately plays an essential role. Students will be exposed to topics through thematic units and will demonstrate understanding and competence by presenting individual and group projects. This is the first year of a two year sequence preparing students to take the IB French SL exam.

IB French, Year 2 SL – Full Year Course

GaDOE State Course Number: 60.0113051/52

Prerequisite: IB French, Year 1 SL

The IB Second Language courses Standard Level offers students an enriched study of language, literature, and culture with relevance to international societies. Students review all language concepts and study representative writers in the original language independently and in groups. Students are immersed in a culturally rich environment in which they actively participate. They are assessed on effective and accurate communication. Tasks of the advanced language learner include use of the language within and outside of school, information and communication via technology, involvement in activities for personal enrichment and career development – all working to produce a lifelong learner. To achieve an appreciation and understanding of cultures, students will partake in interactive endeavors and a culturally rich environment where their ability to communicate effectively and accurately plays an essential role. Students will be exposed to topics through thematic units and will demonstrate understanding and competence by presenting individual and group projects. This is the second year of a two year sequence preparing students to take the IB French SL exam.

IB French HL – Full Year Course

GaDOE State Course Number: 60.0113053/54

Prerequisite: IB French, Year 2 SL

The IB Second Language courses Higher Level offers students an enriched study of language, literature, and culture with relevance to international societies. Students review all language concepts and study representative writers in the original language independently and in groups. Students are immersed in a culturally rich environment in which they actively participate. They are assessed on effective and accurate communication. Tasks of the advanced language learner include use of the language within and outside of school, information and communication via technology, involvement in activities for personal enrichment and career development – all working to produce a lifelong learner. To achieve an appreciation and understanding of cultures, students will partake in higher-level interactive endeavors and culturally rich environments where their ability to communicate effectively and accurately plays an essential role. Students will be exposed to topics through thematic units and will demonstrate understanding and competence by presenting individual and group projects. This is the second year of a two year sequence preparing students to take the IB French HL exam.

Advanced Placement French Language and Culture – Full Year Course

GaDOE State Course Number: 60.01700

Prerequisite: Honors French III

Students will be prepared to take the CollegeBoard Advanced Placement French Language and Culture test after completion of this course.

Conforms to College Board topics for the Advanced Placement French Language Examination. Emphasizes using the language for active communication. Stresses the ability to understand French in various contexts, to develop a vocabulary sufficient for reading newspapers, magazines, literary texts, and other nontechnical writing and to express oneself in speech and in writing coherently, fluently and accurately.

SPANISH

Spanish I – Full Year Course

GaDOE State Course Number: 60.07100

Introduces the Spanish language; emphasizes all skills: listening, speaking, reading, and writing skills in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of Spanish-speaking cultures.

Spanish II – Full Year Course

Honors Spanish II – Full Year Course

GaDOE State Course Number: 60.07200

Prerequisite: Spanish I or Honors Spanish I (MMS)

Enhances Level One skills in Spanish and provides opportunities to develop listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to increase understanding of Spanish-speaking cultures.

Honors Spanish III – Full Year Course

GaDOE State Course Number: 60.07300

Prerequisite: Spanish II or Honors Spanish II

Enhances Level Two skills in Spanish and provides further opportunities to increase listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in previous topics and introduces new topics; offers further opportunities to increase understanding of Spanish-speaking cultures.

IB Spanish, Year 1 SL – Full Year Course

GaDOE State Course Number: 60.07130

Prerequisite: Spanish II (Honors), Spanish III (Honors), AP Spanish, or Teacher Recommendation

The IB Second Language courses Standard Level offer students an enriched study of language, literature, and culture with relevance to international societies. Students review all language concepts and study

representative writers in the original language independently and in groups. Students are immersed in a culturally rich environment in which they actively participate. They are assessed on effective and accurate communication. Tasks of the advanced language learner include use of the language within and outside of school, information and communication via technology, involvement in activities for personal enrichment and career development – all working to produce a lifelong learner. To achieve an appreciation and understanding of cultures, students will partake in interactive endeavors and a culturally rich environment where their ability to communicate effectively and accurately plays an essential role. Students will be exposed to topics through thematic units and will demonstrate understanding and competence by presenting individual and group projects. This is the first year of a two year sequence preparing students to take the IB Spanish SL exam.

IB Spanish, Year 2 SL – Full Year Course

GaDOE State Course Number: 60.0716051/52

Prerequisite: IB Spanish, Year 1 SL

The IB Second Language courses Standard Level offers students an enriched study of language, literature, and culture with relevance to international societies. Students review all language concepts and study representative writers in the original language independently and in groups. Students are immersed in a culturally rich environment in which they actively participate. They are assessed on effective and accurate communication. Tasks of the advanced language learner include use of the language within and outside of school, information and communication via technology, involvement in activities for personal enrichment and career development – all working to produce a lifelong learner. To achieve an appreciation and understanding of cultures, students will partake in interactive endeavors and a culturally rich environment where their ability to communicate effectively and accurately plays an essential role. Students will be exposed to topics through thematic units and will demonstrate understanding and competence by presenting individual and group projects. This is the second year of a two year sequence preparing students to take the IB Spanish SL exam.

IB Spanish HL – Full Year Course

GaDOE State Course Number: 60. 0716053/54

Prerequisite: IB Spanish, Year 2 SL

The IB Second Language courses Higher Level offers students an enriched study of language, literature, and culture with relevance to international societies. Students review all language concepts and study representative writers in the original language independently and in groups. Students are immersed in a culturally rich environment in which they actively participate. They are assessed on effective and accurate communication. Tasks of the advanced language learner include use of the language within and outside of school, information and communication via technology, involvement in activities for personal enrichment and career development – all working to produce a lifelong learner. To achieve an appreciation and understanding of cultures, students will partake in higher-level interactive endeavors and culturally rich environments where their ability to communicate effectively and accurately plays an essential role. Students will be exposed to topics through thematic units and will demonstrate understanding and competence by presenting individual and group projects. This is the second year of a two year sequence preparing students to take the IB Spanish HL exam.

IB Spanish, ab initio, Year 1, – Full Year Course

GaDOE State Course Number: 60.07170

Prerequisite: For IB Diploma candidates only; placement by teacher recommendation only.

IB World Language ab initio 1 courses emphasize the development of the student's linguistic competence in a second language. Students explore the target through examining a wide variety of media written in the language. Newspapers and magazines, films, plays and novels all aid in the growth of the student's linguistic abilities and allow students to gain an appreciation of the culture(s) in which the language is spoken.

IB Spanish, ab initio, Year 2, – Full Year Course

GaDOE State Course Number: 60.07180

Prerequisite: For IB Diploma candidates only; placement by teacher recommendation only.

IB World Language ab initio 2 courses further develop the student's linguistic competence in a second language. Students explore the target through examining a wide variety of media written in the language. Newspapers and magazines, films, plays and novels all aid in the growth of the student's linguistic abilities and allow students to gain an appreciation of the culture(s) in which the language is spoken.

Advanced Placement Spanish Language and Culture – Full Year Course

GaDOE State Course Number: 60.07700

Prerequisite: Spanish II (Honors), Spanish III (Honors), Spanish Native Speakers II, or IB Spanish SL Year 1
Students will be prepared to take the CollegeBoard Advanced Placement Spanish Language and Culture test after completion of this course.

Conforms to College Board topics for the Advanced Placement Spanish Language Examination. Emphasizes the ability to comprehend formal and informal spoken Spanish, to acquire the vocabulary and grasp of structure to read newspapers, magazines and Hispanic literature, to compose expository passages and to speak accurately and fluently.

Spanish Native Speakers I – Full Year Course

GaDOE State Course Number: 60.07900

Designed for Heritage Language Learners of Spanish, this course can accommodate a wide range of Heritage language learners, from those who are minimally functional (can comprehend Spanish but are not able to speak fluently, read or write) to those who are more proficient and literate in Spanish. The recommended entrance requirement for the beginning level is at the Intermediate-Mid level of proficiency in listening comprehension on the ACTFL scale. It is not necessary that students speak at the Intermediate level prior to entering the course. This course will develop reading, writing, speaking and listening skills. The student will also develop an awareness and understanding of Hispanic cultures, such as language variations, customs, geography and current events.

Spanish Native Speakers II – Full Year Course

GaDOE State Course Number: 60.07910

Prerequisite: Spanish Native Speakers I

Designed for Heritage Language Learners of Spanish, this course can accommodate a wide range of Heritage language learners, from those who are somewhat functional (can comprehend spoken Spanish but speak haltingly and need improvement in reading and/or writing) to those who are more proficient and literate in Spanish. The recommended entrance requirement is at the Intermediate-High level of proficiency in listening comprehension on the ACTFL scale and an Intermediate-Mid level of proficiency in reading, writing and speaking. This course will continue to develop reading, writing, speaking and listening skills and will promote a deeper understanding of the Hispanic cultures, such as language variations, customs, geography, history, and current events

AMERICAN SIGN LANGUAGE

American Sign Language I – Full Year Course

GaDOE State Course Number: 64.03100

Introduction to basic knowledge about sign communication and deafness. Emphasis is placed upon acquisition of comprehension and production skills, knowledge of the Deaf community, and the development of cultural awareness.

American Sign Language II – Full Year Course

GaDOE State Course Number: 64.03200

Enhances Level I American Sign Language (ASL) skills and continues to develop receptive and expressive signing skills. Components include the study of communication, Deaf culture, connections with other disciplines, comparisons with the student's first language, and potential for involvement in the Deaf community.

Honors American Sign Language III – Full Year Course

GaDOE State Course Number: 64.03300

Enhances Level II American Sign Language (ASL) skills. This course is designed to increase receptive and expressive sign language skills. Expands all ASL II concepts and understanding of the complexities within the language.

Honors American Sign Language IV – Full Year Course (Not currently offered, may be offered in SY2025)
GaDOE State Course Number: 64.03400

Enhances Level III American Sign Language (ASL) skills and provides an opportunity to continue the development of receptive and expressive signing skills. Provides continued study of ASL linguistic features.

CTAE & AFJROTC CAREER PATHWAYS

ARCHITECTURE AND CONSTRUCTION CLUSTER

ARCHITECTURE DRAWING & DESIGN PATHWAY (IBCP PATHWAY)

Introduction to Drafting & Design – Full Year Course

GaDOE State Course Number: 48.54100

Introduction to Drafting and Design is a foundation course that serves as an introduction to the drafting and design field and is a Prerequisite to all other courses in the Architectural Drawing & Design and Engineering Drafting & Design Pathways. Emphasis is placed on safety, geometric construction, fundamentals of Computer-Aided Drafting, and multi-view drawings. Students learn drafting techniques through the study of geometric construction at which time they are introduced to computer-aided drafting and design. Competencies for the co-curricular student organizations, such as SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards.

Architectural Drawing & Design I – Full Year Course

GaDOE State Course Number: 48.54500

Prerequisite: Introduction to Drafting & Design

Architectural Drawing and Design I is a one-credit course that introduces students to the basic terminology, concepts, and principles of architectural design as well as sustainability. Emphasis is placed on residential designs, floor plans, roof designs, elevations (interior and exterior), schedules, and foundations. Competencies for the co-curricular student organization, SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards. Students engage in real-world applications and projects throughout the course.

Architect. Drawing & Design II – Full Year Course

GaDOE State Course Number: 48.54600

Prerequisite: Architectural Drawing & Design I

Architectural Drawing and Design II is a one-credit course that builds on the skills developed in Architectural Drawing and Design I. Emphasis is placed on schedules, plumbing, heating and air, graphic presentations, plot/site plans, specifications, and building estimations. While the term computer-aided design (CAD) does not appear in each competency, CAD tools and software should be used extensively throughout the course. Competencies for the co-curricular student organization, SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards. Students engage in real-world applications and projects throughout the course. Additionally - after mastery of the standards in this course - students should be prepared to earn an industry-recognized credential.

Structural Detailing – Full Year Course

GaDOE State Course Number: 48.54700

Prerequisite: Architectural Drawing & Design II

Structural Detailing is a one-credit course that introduces students to the basic terminology, concepts, and principles of Structural Detailing. The course develops skills required for structural detailing and connections design utilized for commercial construction. Areas of study include: shapes, beam reactions, connections, columns, base plates, and splices. While the term computer-aided design (CAD) does not appear in each competency, CAD tools and software should be used extensively throughout the course. Students who successfully complete this and other drafting courses should be prepared to take the Drafter Certification Examination from the American Design Drafting Association (ADDA) and qualify for advanced placement in the drafting and design programs offered by Georgia's technical colleges. Competencies for the co-curricular student organization SkillsUSA are integral components of both the core employability skills standards and the

technical skills standards, and SkillsUSA activities should be incorporated throughout instructional strategies developed for the course.

CONSTRUCTION PATHWAY (IBCP PATHWAY)

Industry Fundamentals and Occupational Safety – Full Year Course

GaDOE State Course Number: 46.54500

This course is the foundational course that prepares students for a pursuit of any career in the field of construction. It prepares the student for the basic knowledge to function safely on or around a construction site and in the industry in general. It provides the student with the option for an Industry Certification in the Construction Core. This course explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Course content discusses the causes and results of accidents and the dangers of rationalizing risks. It includes the basic content of OSHA 10-hour safety standards. It also includes the basic knowledge and skills needed in the following areas: construction math, hand and power tools used in the field, general blueprints, and basics of rigging safety. The course will also provide in-depth competencies and components for the co-curricular SkillsUSA student organization that should be incorporated throughout instructional strategies of the course.

Introduction to Construction – Full Year Course

GaDOE State Course Number: 46.54600

Prerequisite: Industry Fundamentals and Occupational Safety

This course is preceded by the Occupational Safety and Fundamentals course. This course offers an opportunity for students to build on their knowledge and skills developed in Occupational Safety. It introduces them to four construction craft areas and is also the second step towards gaining a Level One Industry Certification in one of the craft areas. The goal of this course is to introduce students to the history and traditions of the carpentry, masonry, plumbing, and electrical craft trades. Students will explore how the various crafts have influenced and been influenced by history. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students will be introduced to, and develop skills to differentiate between blueprints, as is related to each individual craft area. The course will also provide in-depth competencies and components for the co-curricular SkillsUSA student organization through leadership development, school and community service projects, and competitive events.

Carpentry I – Full Year Course

GaDOE State Course Number: 46.55000

Prerequisite: Introduction to Construction

This course is preceded by Introduction to Construction. This course is the third course that provides the student a solid foundation in carpentry skills and knowledge. It is the third step in gaining a Level One Industry Certification in Carpentry. This course provides an overview of the building materials used in the carpentry craft. It teaches techniques for reading and using blueprints and specifications especially as related to the carpentry craft. It provides specific knowledge and skills in site layout and floor and wall framing systems. It includes the basic industry terminology for a carpentry craftsman. The course will also provide in-depth competencies and components for the co-curricular SkillsUSA student organization through leadership development, school and community service projects, and competitive events. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential.

Electrical I – Full Year Course (THIS COURSE MAY BE OFFERED IN SY2025)

GaDOE State Course Number: 46.56000

Prerequisite: Introduction to Construction

This course is preceded by Introduction to Construction and is the third course that provides the student a solid foundation in electrical skills and knowledge. It is the third step in gaining a Level One Industry Certification in Electrical. This course builds on the concepts of electrical safety introduced in Occupational Safety. It provides knowledge of the hardware and systems used by an electrician and the basic skills to install them. It provides a general knowledge of electrical systems including series, parallel, and series-parallel circuits. It provides the basic skills and knowledge to navigate and use the National Electrical Code. It provides an introduction to the skills and knowledge of conduit bending and installation. The course will also provide in-depth competencies and components for the co-curricular SkillsUSA student organization through leadership development, school

and community service projects, and competitive events. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential.

Masonry I – Full Year Course (THIS COURSE MAY BE OFFERED IN SY2025)

GaDOE State Course Number: 46.57000

Prerequisite: Introduction to Construction

This course is preceded by Introduction to Construction and provides the student a solid foundation in masonry skills and knowledge. It is the third step in gaining a Level One Industry Certification in Masonry. This course provides knowledge and skills needed to operate hand tools, power tools, and equipment used in mixing mortar safely. It provides the knowledge and skills needed for cutting, laying, and finishing masonry units. It provides the math knowledge and skills needed to calculate distances, areas, and volumes common in masonry work. It also provides the knowledge of the types and properties of mortar and materials used in a concrete mixture. The course will also provide in-depth competencies and components for the co-curricular SkillsUSA student organization through leadership development, school and community service projects, and competitive events. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential.

Plumbing I – Full Year Course (THIS COURSE MAY BE OFFERED IN SY2025)

GaDOE State Course Number: 46.58000

Prerequisite: Introduction to Construction

This course is preceded by Introduction to Construction and provides the student a solid foundation in plumbing skills and knowledge. It is the third step in gaining a Level One Industry Certification in Plumbing. This course provides basic skills and knowledge needed to apply OSHA and EPA safety concepts and practices as related specifically to the plumbing trade. It includes the use of plumbing tools and materials. The student is introduced to the basic knowledge and application of plumbing codes. Also included is the basic skills and knowledge required to handle, estimate, and store materials used in the plumbing trade. Involved in this process is the correct interpretation and application of basic information from architectural and construction working drawings, especially as related to plumbing installation. The course will also provide in-depth competencies and components for the co-curricular SkillsUSA student organization through leadership development, school and community service projects, and competitive events. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential.

ARTS, A/V TECHNOLOGY, & COMMUNICATIONS CLUSTER

AUDIO-VIDEO TECHNOLOGY & FILM PATHWAY (IBCP PATHWAY)

AVTF I (Audio and Video Technology and Film) – Full Year Course

GaDOE State Course Number: 10.51810

This course will serve as the foundational course in the Audio & Video Technology & Film pathway. The course prepares students for employment or entry into a postsecondary education program in the audio and video technology career field. Topics covered may include, but are not limited to: terminology, safety, basic equipment, script writing, production teams, production and programming, lighting, recording and editing, studio production, and professional ethics. SkillsUSA, the Georgia Scholastic Press Association, Technology Student Association (TSA) and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in Audio & Video Technology & Film I will be utilized in subsequent courses.

AVTF II (Audio-Video Technology and Film II) – Full Year Course

GaDOE State Course Number: 10.51910

Prerequisite: AVTF I This one credit course is the second in a series of three that prepares students for a career in Audio Video Technology and Film production and/or to transfer to a postsecondary program for further study. Topics include Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance; Advanced Editing Operations; Studio Productions; Performance; Audio/Video Control Systems; Production Graphics; Career Opportunities; and Professional Ethics. SkillsUSA, the Georgia Scholastic Press Association, Technology Student Association (TSA) and Student Television Network are

examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program.

AVTF III (Audio-Video Technology and Film III) – Full Year Course
GaDOE State Course Number: 10.52010

Prerequisite: AVTF II or IB Film Year 1 + IB Film Year 2

This one-credit transition course is designed to facilitate student-led projects under the guidance of the instructor. Students work cooperatively and independently in all phases of production. SkillsUSA, the Georgia Scholastic Press Association, Technology Student Association (TSA), and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential by successfully completing the Adobe Certified Associate in Premiere Pro.

Broadcast/Video Production III – Full Year Course

GaDOE State Course Number: 10.51310

Prerequisite: AVTF III AND teacher approval.

This one credit transition course is designed to facilitate student-led broadcasts/videos under the guidance of the instructor. Students work cooperatively and independently in all phases of broadcast/video production. SkillsUSA, the Georgia Scholastic Press Association, Technology Student Association (TSA), and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in BVP1, BVP2 and BVP3 will be utilized in subsequent courses.

Broadcast/Video Applications – Full Year Course

GaDOE State Course Number: 10.51410

Prerequisite: Broadcast/Video Production III AND teacher approval.

Broadcast/Video Production Applications is the fourth course in the BVP pathway and is designed to assist students in mastering skills necessary to gain entry level employment or to pursue a post-secondary degree or certificate. Topics include advanced camcorder techniques, audio production, scriptwriting, producing, directing, editing, employability skills, and development of a digital portfolio to include resume, references, and production samples. Skills USA, the Georgia Scholastic Press Association, Technology Student Association (TSA), and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. Instructor approval of digital portfolio (as needed for satisfactory completion of BVP 3) required prior to registration for this course.

IB Film, Year 1 – Full Year Course

GaDOE State Course Number: 52.07300

Prerequisite: AVTF I; student must commit to taking the IB Film exam

Aims to develop students as proficient interpreters and makers of film texts. Through the study and analysis of film texts, and practical exercises in film production, students develop critical abilities and appreciation of artistic, cultural, historical, and global perspectives in film. Students must commit to completing four required assessments.

IB Film, Year 2 – Full Year Course

GaDOE State Course Number: 52.07400

Prerequisite: IB Film, Year 1; student must commit to taking the IB Film exam

Aims to develop students as proficient interpreters and makers of film texts. Through the study and analysis of film texts, and practical exercises in film production, students develop critical abilities and appreciation of artistic, cultural, historical, and global perspectives in film. Students must commit to completing four required assessments.

GRAPHIC COMMUNICATIONS (PRODUCTION) PATHWAY (IBCP PATHWAY)

Introduction to Graphics & Design – Full Year Course

GaDOE State Course Number: 48.56100

This course is designed as the foundational course for both the Graphics Production and Graphics Design pathways. The Graphics and Design course provides students with the processes involved in the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. In addition, the Graphics and Design course offers a range of cognitive skills, aesthetics, and crafts that includes typography, visual arts, and page layout. Prerequisite for this course is adviser approval. This course is designed as the foundational course for both the Graphics Production and Graphics Design pathways. The Graphics and Design course provides students with the processes involved in the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. In addition, the Graphics and Design course offers a range of cognitive skills, aesthetics, and crafts that includes typography, visual arts, and page layout.

Graphics Design & Production – Full Year Course

GaDOE State Course Number: 48.56200

Prerequisite: Intro to Graphics & Design

As the second course in the Graphics Communication and Graphics Design Pathways, this course builds on knowledge and skills learned in the Introduction to Graphics and Design course and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications. The prerequisite for this course is Introduction to Graphics and Design.

Advanced Graphic Output Processes – Full Year Course

GaDOE State Course Number: 48.57000

Prerequisite: Graphic Design & Production

As the third course in the Graphics Communication Pathway, students will gain more advanced levels of experience to complete the output processes of various projects in an increasingly independent manner. Students also learn to manage the output and completion process as a whole including customer relations management, printing, finishing, and binding. Students will continue to accumulate work samples that will constitute their personal portfolio. Upon successful completion of the course, students are prepared to move into employment or a post-secondary educational environment where self-motivation and a high level of skill are expected. This is the final course in the Graphic Communication Pathway. The prerequisite for this course is Graphic Design and Production.

GRAPHIC DESIGN PATHWAY (IBCP PATHWAY)

Introduction to Graphics & Design – Full Year Course

GaDOE State Course Number: 48.56100

This course is designed as the foundational course for both the Graphics Production and Graphics Design pathways. The Graphics and Design course provides students with the processes involved in the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. In addition, the Graphics and Design course offers a range of cognitive skills, aesthetics, and crafts that includes typography, visual arts, and page layout. Pre-requisite for this course is adviser approval. This course is designed as the foundational course for both the Graphics Production and Graphics Design pathways. The Graphics and Design course provides students with the processes involved in the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. In addition, the Graphics and Design course offers a range of cognitive skills, aesthetics, and crafts that includes typography, visual arts, and page layout.

Graphics Design & Production – Full Year Course

GaDOE State Course Number: 48.56200

Prerequisite: Intro to Graphics & Design

As the second course in the Graphics Communication and Graphics Design Pathways, this course builds on knowledge and skills learned in the Introduction to Graphics and Design course and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications. The prerequisite for this course is Introduction to Graphics and Design.

Advanced Graphic Design – Full Year Course

GaDOE State Course Number: 48.52800

Prerequisite: Graphic Design & Production

Students will continue to explore in an increasingly independent manner, the principles of design and layout procedures relating to the field of graphic design. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing. Knowledge and skills in digital design and imaging will be enhanced through experiences that simulate the graphic design industry and school-based and work-based learning opportunities. This is the final course in the Graphic Design pathway.

BUSINESS MANAGEMENT & ADMINISTRATION CLUSTER

ENTREPRENEURSHIP PATHWAY (IBCP PATHWAY)

Introduction to Business & Technology (IBT) – Full Year Course

GaDOE State Course Number: 07.44130

Introduction to Business & Technology is the foundational course for Business & Technology, Entrepreneurship, and Human Resources Management pathways. The course is designed for high school students as a gateway to the career pathways above, and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn the essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the business world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. Introduction to Business & Technology is a course that is appropriate for all high school students. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential: Microsoft Office Specialist for Word Core Certification.

Legal Environment of Business – Full Year Course

GaDOE State Course Number: 06.41500

Prerequisite: Introduction to Business & Technology

Legal Environment of Business is the second course in Entrepreneurship and Human Resources Management pathway in the Business Management & Administration Cluster. Legal Environment of Business addresses statutes and regulations affecting businesses, families, and individuals. All students will benefit from the knowledge of business law as they will eventually assume roles as citizens, workers, and consumers in their communities and in society at large. Students will get an overview of business law while concentrating on the legal aspects of business ownership and management. Legal issues addressed include court procedures, contracts, torts, consumer law, employment law, environmental law, international law, ethics, and the role of the government in business. Students will not only understand the concepts, but will also apply their knowledge to situations and defend their actions, decisions, and choices.

Entrepreneurship – Full Year Course

GaDOE State Course Number: 06.41610

Prerequisite: Legal Environment of Business

Entrepreneurship is the third course in the Entrepreneurship Pathway, students will focus on recognizing a business opportunity, starting a business, operating and maintaining a business. Students will be exposed to the development of critical thinking, problem solving, and innovation in this course as they will either be the business owner or individuals working in a competitive job market in the future. Integration of accounting, finance, marketing, business management, legal and economic environments will be developed throughout projects in this course. Working to develop a business plan that includes structuring the organization, financing

the organization, and managing information, operations, marketing, and human resources will be a focus in the course. Engaging students in the creation and management of a business and the challenges of being a small business owner will be fulfilled in this course. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential by successfully completing the General Management NOCTI Assessment.

EDUCATION & TRAINING CLUSTER

EARLY CHILDHOOD CARE & EDUCATION PATHWAY (IBCP PATHWAY)

Early Childhood Education I – Full Year Course

GaDOE State Course Number: 20.52810

The Early Childhood Education I course is the foundational course under the Early Childhood Care & Education pathway and prepares the student for employment in early childhood education and services. The course addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The Prerequisite for this course is advisor approval.

Early Childhood Education II – Full Year Course

GaDOE State Course Number: 20.42400

This course will be Dual Enrolled with Chattahoochee Technical College. All students will be DE students.

Prerequisites: ECE I

Early Childhood Education II is the second course in the Early Childhood Care and Education pathway and further prepares the student for employment in early childhood care and education services. The course provides a history of education, licensing and accreditation requirements, and foundations of basic observation practices and applications. Early childhood care, education, and development issues are also addressed and include health, safety, and nutrition education; certification in CPR/First Aid/Fire Safety; information about child abuse and neglect; symptoms and prevention of major childhood illnesses and diseases; and prevention and control of communicable illnesses.

Early Childhood Education III – Full Year Course

GaDOE State Course Number: 20.42500

This course will be Dual Enrolled with Chattahoochee Technical College. All students will be DE students.

Prerequisites: ECE II

Early Childhood Education III is the third course in the Early Childhood Care and Education pathway. The course provides in-depth study of early brain development and its implications for early learning, appropriate technology integration, and developmentally appropriate parenting and child guidance trends. Also addressed are collaborative parent/teacher/child relationships and guidance, child directed play, the changing dynamics of family culture and diversity, the causes and effects of stress on young children, and infant nutrition. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential by successfully completing the Early Childhood Education NOCTI Assessment.

GOVERNMENT AND PUBLIC ADMINISTRATION CLUSTER

AIR FORCE JUNIOR RESERVED OFFICERS' TRAINING CORPS (AFJROTC) ROTCPATHWAY (IBCP PATHWAY)

Aerospace Science: Leadership 100 – Full Year Course

GaDOE State Course Number: 28.01100

This is the recommended first AS course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Throughout the course, there are readings, videos, hands-on activities, and

in-text and student workbook exercises to guide in the reinforcement of the materials. Many of the 72 hours dedicated to leadership studies relate directly to the academic subject matter. The LE-100 textbook introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship.

Aerospace Science: Leadership 200 – Full Year Course

GaDOE State Course Number: 28.01200

Prerequisite: Aerospace Science: Leadership 100

The second year is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind. The portion on the Human Requirements of Flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration, and protective equipment. Leadership Education 200 hours stress communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches complement the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

Aerospace Science: Space Exploration – Full Year Course

GaDOE State Course Number: 28.01500

Prerequisite: Aerospace Science: Leadership 200

Explorations: An Introduction to Astronomy explores the history of astronomy to include prehistoric astronomy, the early ideas of the heavens. The size and shape of the earth are discussed as well as the distance and size of the Sun and Moon. Other topics such as astronomy in the renaissance and Isaac Newton and the Birth of Astrophysics and the growth of astrophysics are discussed. We take focus on the Earth as a planet and the Earth's interior; the age of the Earth and Earth's magnetic atmosphere and magnetic field. The Moon is discussed in detail including its description, its structure, and its origin and history, as well as its eclipses and tides. An in-depth study of the Solar System, the terrestrial planets and the outer planets is covered as well. The Leadership Education III: Life Skills and Career Opportunities textbook will be helpful to students deciding which path to take after high school. Information on how to apply for admission to college or to a vocational or technical school is included. Information on how to begin the job search is available to students who decide not to go to college or vocational school. Available also is information about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration will be helpful to. For those students who may be moving into an apartment of their own, information is presented on apartment shopping and grocery shopping skills. There is information on how to prepare a résumé and the importance of good interviewing skills. If there are students who are interested in a career in the military, with the federal government, or an aerospace career, information is also provided for them.

Aerospace Science: Corps Management – Full Year Course

GaDOE State Course Number: 28.01920

Prerequisite: Aerospace Science: Space Exploration

This course provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by cadets. They will put into practice their communication, decision-making, personal-interaction, managerial, and organizational skills.

HEALTH SCIENCE CLUSTER

BIOTECHNOLOGY RESEARCH & DEVELOPMENT PATHWAY (IBCP PATHWAY)

Introduction to Healthcare Science – Full Year Course

GaDOE State Course Number: 25.5210081

Introduction to Healthcare Science is the foundational course for all Health Science pathways and is a Prerequisite for all other Healthcare Science pathway courses. This course will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology, basic life support and first aid. This course will provide students with a competitive edge to be the better candidate for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training.

Essentials of Biotechnology – Full Year Course

GaDOE State Course Number: 25.57000

**This course counts as a 4th science.*

Prerequisite: Intro to Healthcare Science

This is the second course in the career pathway that introduces students to the broad understanding of the fundamentals of biotechnology and the impact on society. The knowledge and skills in this course provides a basic overview of current trends and careers in biotechnology, with an emphasis on basic laboratory skills, along with the business, regulatory, and ethical aspects of biotechnology.

Applications of Biotechnology – Full Year Course

GaDOE State Course Number: 25.56900

**This course counts as a 4th science.*

Prerequisite: Essentials of Biotechnology

This course further introduces students to the fundamentals of biotechnology. Included in this course are additional techniques in biotechnology. Additionally, a deeper level of laboratory safety and applications in biotechnology is emphasized. The knowledge and skills gained in this course will provide students with a greater understanding of biotechnology and prepare students for skill application in a workplace setting.

CERTIFIED NURSING ASSISTANT (CNA) PATHWAY (IBCP PATHWAY)

Introduction to Healthcare Science – Full Year Course

GaDOE State Course Number: 25.5210081

Introduction to Healthcare Science is the foundational course for all Health Science pathways and is a Prerequisite for all other Healthcare Science pathway courses. This course will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology, basic life support and first aid. This course will provide students with a competitive edge to be the better candidate for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training.

Essentials of Healthcare – Full Year Course

GaDOE State Course Number: 25.44000

**This course counts as a 4th science.*

Students are awarded one unit of credit in Human Anatomy/Physiology (26.0730041/42) upon successful completion of Part B of this course. The student must have successfully completed Part A. The grades for Part A and Part B, for both Essentials of Healthcare and Human Anatomy/Physiology, will factor into students GPA. Students will not be eligible to receive an additional Anatomy/Physiology credit for taking the Anatomy/Physiology (26.0730041/42) course.

Prerequisite: Intro to Healthcare Science

Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders.

The following courses will be taken after a student completes Essentials of Healthcare, through dual enrollment with Chattahoochee Technical College. All courses will be delivered on the Marietta High School campus.

Medical Terminology for Allied Health Science, ALHS 1090 – Fall/Spring Course

Prerequisite: Essentials of HealthCare

Introduces the elements of medical terminology. Emphasis is placed on building familiarity with medical words through knowledge of roots, prefixes, and suffixes. Topics include: origins (roots, prefixes, and suffixes), word building, abbreviations and symbols, and terminology related to the human anatomy. 2 credits

CNA – Nurse Aide Accelerated, NAST 2100 – Fall/Spring Course (4x4 course)

Prerequisite: Essentials of HealthCare

Introduces student to the role and responsibilities of the Nurse Aide. Emphasis is placed on understanding and developing critical thinking skills, as well as demonstrating knowledge of the location and function of human body systems and common disease processes; responding to and reporting changes in a residents /patient's condition, nutrition, vital signs; nutrition and diet therapy; disease processes; vital signs; observing, reporting and documenting changes in a residents condition; emergency concerns; ethics and legal issues and governmental agencies that influence the care of the elderly in long term care settings; mental health and psychosocial well-being of the elderly; use and care of mechanical devices and equipment; communication and interpersonal skills and skills competency based on federal guidelines. Specific topics include: roles and responsibilities of the Nurse Aide; communication and interpersonal skills; topography, structure, and function of the body systems; injury, and rehabilitation and restorative care. 7 credits

EMERGENCY MEDICAL RESPONDER PATHWAY (IBCP PATHWAY)

Introduction to Healthcare Science – Full Year Course

GaDOE State Course Number: 25.5210081

Introduction to Healthcare Science is the foundational course for all Health Science pathways and is a Prerequisite for all other Healthcare Science pathway courses. This course will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology, basic life support and first aid. This course will provide students with a competitive edge to be the better candidate for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training.

Essentials of Healthcare – Full Year Course

GaDOE State Course Number: 25.44000

**This course counts as a 4th science.*

Students are awarded one unit of credit in Human Anatomy/Physiology (26.0730041/42) upon successful completion of Part B of this course. The student must have successfully completed Part A. The grades for Part A and Part B, for both Essentials of Healthcare and Human Anatomy/Physiology, will factor into students GPA. Students will not be eligible to receive an additional Anatomy/Physiology credit for taking the Anatomy/Physiology (26.0730041/42) course.

Prerequisite: Intro to Healthcare Science

Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each

system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders.

Emergency Medical Responder – Full Year Course **GaDOE State Course Number: 25.45000**

Prerequisites: Essentials of Healthcare.

The Emergency Medical Responder (EMR) course prepares the student to provide initial stabilizing care to the sick or injured prior to the arrival of Emergency Medical Services Professionals (EMS), and to assist EMS personnel in transporting patients for definitive care at an appropriate hospital/facility. Major areas of instruction include Introductory Medical Terminology and Anatomy & Physiology; Responder Safety; Incident Command; Blood-borne Pathogen Training; Basic Physical Assessment; and Treatment of Trauma and Medical Emergencies; Cardiopulmonary Resuscitation and the use of Automatic External Defibrillators (AEDs). The course is a blend of lecture, hands on lab/learning, and practical scenario-based learning/testing.

This course can be taught by Healthcare Science or Law, Public Safety, Corrections and Security instructors. The course will include Healthcare Provider CPR/AED Certification from a Nationally-Recognized Body (American Heart Association or Red Cross, etc.). If this course is also approved by the Georgia State Office of Emergency Medical Services and Trauma (SOEMST), successful completion will allow the student to be eligible to take the National Registry of Emergency Medical Technicians (NREMT) Emergency Medical Responder (EMR) certification. Topics include: Preparatory; Anatomy and Physiology; Medical Terminology; Pathophysiology; LifeSpan Development; Public Health; Pharmacology; Airway; Management; Respiration and Artificial Ventilation; Assessment; Medicine; Shock and Resuscitation; Trauma; Special Patient Populations; EMS Operations; and Integration of Patient Assessment and Management. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential by successfully completing the FEMA-Emergency Preparedness, optional National Registry of Emergency Medical Technicians-Emergency Medical Responders Exam.

SPORTS MEDICINE PATHWAY (IBCP PATHWAY)

Introduction to Healthcare Science – Full Year Course **GaDOE State Course Number: 25.5210081**

Introduction to Healthcare Science is the foundational course for all Health Science pathways and is a Prerequisite for all other Healthcare Science pathway courses. This course will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology, basic life support and first aid. This course will provide students with a competitive edge to be the better candidate for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training.

Essentials of Healthcare – Full Year Course **GaDOE State Course Number: 25.44000**

**This course counts as a 4th science.*

Students are awarded one unit of credit in Human Anatomy/Physiology (26.0730041/42) upon successful completion of Part B of this course. The student must have successfully completed Part A. The grades for Part A and Part B, for both Essentials of Healthcare and Human Anatomy/Physiology, will factor into students GPA. Students will not be eligible to receive an additional Anatomy/Physiology credit for taking the Anatomy/Physiology (26.0730041/42) course.

Prerequisite: Intro to Healthcare Science

Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders.

Sports Medicine – Full Year Course

GaDOE State Course Number: 25.44600

**This course counts as a 4th science.*

Prerequisite: Essentials of HealthCare

Sports Medicine is the third course in the Therapeutic Services/Sports Medicine Career Pathway. The course is appropriate for students who wish to pursue a career in healthcare with a focus on the musculoskeletal system, injury assessment, injury prevention, or rehabilitation including careers in Sports Medicine and Rehabilitative Services. This course will enable students to receive initial exposure to therapeutic services skills and attitudes applicable to the healthcare industry. The concepts of anatomy and physiology, assessment, preventative and rehabilitative care are introduced. Fundamental healthcare skills development is initiated, including medical terminology, kinesiology, patient assessment, record keeping, and basic life support. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential by successfully completing the Student Athletic Training Aide Assessment.

HOSPITALITY & TOURISM CLUSTER

CULINARY ARTS PATHWAY (IBCP PATHWAY)

Introduction to Culinary Arts – Full Year Course

GaDOE State Course Number: 20.53100

Introduction to Culinary Arts is a course designed to introduce students to fundamental food preparation terms, concepts, and methods in Culinary Arts where laboratory practice will parallel class work. Fundamental techniques, skills, and terminology are covered and mastered with an emphasis on basic kitchen and dining room safety, sanitation, equipment maintenance and operation procedures. Course also provides an overview of the professionalism in the culinary industry and career opportunities leading into a career pathway to Culinary Arts.

Culinary Arts I – Full Year Course

GaDOE State Course Number: 20.53210

Prerequisite: Intro to Culinary Arts

Culinary Arts I is designed to create a complete foundation and understanding of Culinary Arts leading to post secondary education or a foodservice career. Building from techniques and skills learned in Foundation of Culinary Arts, this fundamentals course begins to involve in-depth knowledge and hands on skill mastery of Culinary Arts.

Culinary Arts II – Full Year Course

GaDOE State Course Number: 20.53310

Prerequisite: Culinary Arts I

Culinary Arts II is an advanced and rigorous in-depth course designed for the student who has continued the Culinary Arts Pathway and wishes to continue their education at the post secondary level or enter the foodservice industry as a proficient and well rounded individual. Strong importance is given to refining hands on production of the classic fundamentals in the commercial kitchen. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential by successfully completing the Certified Fundamentals Cook.

HUMAN SERVICES CLUSTER

NUTRITION & FOOD SCIENCE PATHWAY (IBCP PATHWAY)

Food, Nutrition, & Wellness – Full Year Course

GaDOE State Course Number: 20.41610

Food, Nutrition and Wellness is an essential course in understanding nutritional needs and food choices for optimal health of individuals across the lifespan. Interrelationships with wellness are explored. This course leads to the advanced nutrition pathway and develops a knowledge base and the skills necessary to select among alternatives in the marketplace, with an emphasis on nutrient content, the development of chronic diseases, and food safety.

Food for Life – Full Year Course

GaDOE State Course Number: 20.41400

**This course counts as a 4th science elective credit.*

Prerequisite: Food, Nutrition & Wellness

Food for Life is an advanced course in food and nutrition that addresses the variation in nutritional needs at specific stages of the human life cycle: lactation, infancy, childhood, adolescence, and adulthood including elderly. The most common nutritional concerns, their relationship to food choices and health status and strategies to enhance well-being at each stage of the lifecycle are emphasized. This course provides knowledge for real life and offers students a pathway into dietetics, consumer foods, and nutrition science careers with additional education at the post-secondary level.

Food Science – Full Year Course**GaDOE State Course Number: 20.41810**

**This course counts as a 4th science elective credit.*

Prerequisite: Food for Life

Food science integrates many branches of science and relies on the application of the rapid advances in technology to expand and improve the food supply. Students will evaluate the effects of processing, preparation, and storage on the quality, safety, wholesomeness, and nutritive value of foods. Building on information learned in Food, Nutrition and Wellness and Food for Life, this course illustrates scientific principles in an applied context, exposing students to the wonders of the scientific world. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential by successfully completing the ServSafe Food Handler Assessment.

INFORMATION TECHNOLOGY CAREER CLUSTER

GAME DESIGN PATHWAY (IBCP PATHWAY)

Introduction to Software Technology – Full Year Course

Students are awarded one unit of credit in Introduction to Hardware Technology (11.44800) upon successful completion of Part B of this course. The student must have successfully completed Part A. The grades for Part A and Part B, for both Introduction to Software Technology and Introduction to Hardware Technology, will factor into students GPA.

GaDOE State Course Number: 11.44600

Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Competencies in the co-curricular student organization, CodeDevils, Future Business Leaders of America (FBLA) & SkillsUSA, are integral components of both the employability skills standards and content standards for this course. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world.

Advanced Placement Computer Science Principles – Full Year Course**GaDOE State Course Number: 11.01900**

**Will use Project Lead the Way's Curriculum*

**This course counts as a 4th science or 4th math.*

Students will be prepared to take the CollegeBoard Advanced Placement Computer Science Principles test after completion of this course.

Conforms to the CollegeBoard syllabus for the Advanced Placement Computer Science Principles Examination. AP Computer Science Principles introduces students to the foundational concepts of the field and challenges them to explore how computing and technology can impact the world. The co-curricular student organization for this course is, CodeDevils, Future Business Leaders of America (FBLA) & SkillsUSA.

Game Design: Animation and Simulation – Full Year Course**GaDOE State Course Number: 11.42900**

**This course counts as a 4th science or 4th math.*

Prerequisites: Computer Science Principles

As the third course in the Game Design Pathway, students completing this course will gain an understanding of the fundamental principles used at every stage of the game creation process. First, game genres and modes of play are explored in terms of the psychology of incentives, motivation to play, and social networking. Next, virtual characters and non-player characters are reviewed from concept drawing to 2D and 3D art, rigging, and animation. Next, level design, storytelling, and animation are added to develop a virtual world around the characters. These same techniques are at work in training simulator systems, virtual shopping experiences, augmented reality, and a number of other important career options. Schools offering this program can provide a foundation of traditional drawing, illustration, and art courses to make way for the 2D and 3D animation, storytelling, character development, audio, and game technology. Students taking this program are strongly encouraged to add an internship to their curriculum which will give them real world experience, understanding how the computer game industry works. The co-curricular student organization for this course is, CodeDevils, Future Business Leaders of America (FBLA) & SkillsUSA. After mastery of the standards in this course, students should be prepared to earn an industry-recognized credential by successfully completing the Unity Certified Associate exam.

COMPUTER SCIENCE PATHWAY (IBCP PATHWAY)

Introduction to Software Technology – Full Year Course

Students are awarded one unit of credit in Introduction to Hardware Technology (11.44800) upon successful completion of Part B of this course. The student must have successfully completed Part A. The grades for Part A and Part B, for both Introduction to Software Technology and Introduction to Hardware Technology, will factor into students GPA.

GaDOE State Course Number: 11.44600

Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Competencies in the co-curricular student organization, CodeDevils, Future Business Leaders of America (FBLA) & SkillsUSA, are integral components of both the employability skills standards and content standards for this course. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world.

Advanced Placement Computer Science Principles – Full Year Course

GaDOE State Course Number: 11.01900

**Course meets fourth science or fourth mathematics or world language requirement; Two computer science courses from the same pathway will satisfy two years of sequenced foreign language courses.*

Students will be prepared to take the CollegeBoard Advanced Placement Computer Science Principles test after completion of this course.

Conforms to the CollegeBoard syllabus for the Advanced Placement Computer Science Principles Examination. AP Computer Science Principles introduces students to the foundational concepts of the field and challenges them to explore how computing and technology can impact the world. The co-curricular student organization for this course is, CodeDevils, Future Business Leaders of America (FBLA) & SkillsUSA.

Advanced Placement Computer Science A – Full Year Course

GaDOE State Course Number: 11.01600

**Course meets fourth science or fourth mathematics or world language requirement; Two computer science courses from the same pathway will satisfy two years of sequenced foreign language courses.*

Students will be prepared to take the CollegeBoard Advanced Placement Computer Science A test after completion of this course.

Conforms to the CollegeBoard syllabus for the Advanced Placement Computer Science A Examination. AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. The co-curricular student organization for this course is, CodeDevils, Future Business Leaders of America (FBLA) & SkillsUSA.

PROJECT LEAD THE WAY CYBERSECURITY PATHWAY (IBCP PATHWAY)

Introduction to Software Technology – Full Year Course

Students are awarded one unit of credit in Introduction to Hardware Technology (11.44800) upon successful completion of Part B of this course. The student must have successfully completed Part A. The grades for Part A and Part B, for both Introduction to Software Technology and Introduction to Hardware Technology, will factor into students GPA.

GaDOE State Course Number: 11.44600

Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Competencies in the co-curricular student organization, CodeDevils, Future Business Leaders of America (FBLA) & SkillsUSA, are integral components of both the employability skills standards and content standards for this course. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world.

Advanced Placement Computer Science Principles – Full Year Course

GaDOE State Course Number: 11.01900

**Course meets fourth science or fourth mathematics or world language requirement; Two computer science courses from the same pathway will satisfy two years of sequenced foreign language courses.*

Students will be prepared to take the CollegeBoard Advanced Placement Computer Science Principles test after completion of this course.

Conforms to the CollegeBoard syllabus for the Advanced Placement Computer Science Principles Examination. AP Computer Science Principles introduces students to the foundational concepts of the field and challenges them to explore how computing and technology can impact the world. The co-curricular student organization for this course is, CodeDevils, Future Business Leaders of America (FBLA) & SkillsUSA.

Introduction to Cybersecurity – Fall Course

GaDOE State Course Number: 11.48100

**Will use Project Lead the Way's Curriculum*

Introduction to Cybersecurity is designed to provide students the basic concepts and terminology of cybersecurity. The course examines how the concept of security integrates into the importance of user involvement, security training, ethics, trust, application of cybersecurity practices and devices, and best practices management. The fundamental skills cover internal and external threats to network security and design, how to enforce network level security policies, how to protect an organization's information, and a broad range of other topics. Introduction to Cybersecurity is the second course in the Cybersecurity career pathway of the Information Technology Career Cluster and primarily focuses on the National Cybersecurity Workforce Framework category Protect and Defend and the Computer Network Defense work roles. Students enrolled in this course should have successfully completed Introduction to Digital Technology.

Advanced Cybersecurity – Spring Course

GaDOE State Course Number: 11.48200

**Will use Project Lead the Way's Curriculum*

Advanced Cybersecurity is designed to provide students the advanced concepts and terminology of cybersecurity. The course explores the field of cybersecurity with updated content including new innovations in technology and methodologies. It builds on existing concepts introduced in Introduction to Cybersecurity and expands into malware threats, cryptography, organizational security, and wireless technologies. Advanced Cybersecurity is the third course in the Cybersecurity career pathway in the Information Technology Career Cluster. Students enrolled in this course should have successfully completed Introduction to Digital Technology and Introduction to Cybersecurity.

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY CLUSTER

LAW ENFORCEMENT SERVICES/CRIMINAL INVESTIGATIONS PATHWAY

Introduction to Law, Public Safety, Corrections and Security – Full Year Course

GaDOE State Course Number: 43.45000

Prerequisite for all other courses within the Law, Public Safety, Corrections and Security Career Cluster. This course provides students with career focused educational opportunities in various LPSCS fields. It examines the basic concepts of law related to citizens' rights and the responsibilities, and students will receive instruction in critical skill areas including: communicating with diverse groups, conflict resolution, ethics, CERT (Citizens Emergency Response Training, or similar program), basic firefighting, report writing, terrorism, civil and criminal law. Career planning and employability skills will be emphasized.

Criminal Justice Essentials – Full Year Course

GaDOE State Course Number: 43.45100

Prerequisite: Introduction to Law, Public Safety, Corrections and Security

Criminal Justice Essentials provides an overview of the criminal justice system. Starting with historical perspectives of the origin of the system, the course reviews the overall structure. Students will become immersed in criminal and constitutional law and will review basic law enforcement skills. The course ends with a mock trial to provide participants with a first-hand experience of the criminal justice system. The course will also provide in-depth competencies and components for the co-curricular SkillsUSA student organization that should be incorporated throughout instructional strategies of the course. Participation in additional student organizations that align with Law, Public Safety, Corrections and Security pathways (i.e. mock trial) is encouraged to enhance standards addressed in the curriculum.

Criminal Investigations – Full Year Course

GaDOE State Course Number: 43.45300

Prerequisite: Criminal Justice Essentials

Criminal Investigations is the third course in the Law Enforcement Services/Criminal Investigations Pathway. This course is designed to provide students with an opportunity to explore the basic processes and principles of a criminal investigation. Students will learn the legal responsibilities and challenges of the patrol officer, investigator, and crime scene technician at a crime scene. Students will learn the importance of preserving and documenting the crime scene along with the identification, collection, and processing of evidence and the contribution to the criminal investigation. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential by successfully completing the Criminal Justice NOCTI Job Ready Assessment.

LAW ENFORCEMENT SERVICES/PUBLIC SAFETY COMMUNICATIONS PATHWAY

Introduction to Law, Public Safety, Corrections and Security – Full Year Course

GaDOE State Course Number: 43.45000

Prerequisite for all other courses within the Law, Public Safety, Corrections and Security Career Cluster. This course provides students with career focused educational opportunities in various LPSCS fields. It examines the basic concepts of law related to citizens' rights and the responsibilities, and students will receive instruction in critical skill areas including: communicating with diverse groups, conflict resolution, ethics, CERT (Citizens Emergency Response Training, or similar program), basic firefighting, report writing, terrorism, civil and criminal law. Career planning and employability skills will be emphasized.

Criminal Justice Essentials – Full Year Course

GaDOE State Course Number: 43.45100

Prerequisite: Introduction to Law, Public Safety, Corrections and Security

Criminal Justice Essentials provides an overview of the criminal justice system. Starting with historical perspectives of the origin of the system, the course reviews the overall structure. Students will become immersed in criminal and constitutional law and will review basic law enforcement skills. The course ends with a mock trial to provide participants with a first-hand experience of the criminal justice system. The course will also provide in-depth competencies and components for the co-curricular SkillsUSA student organization that should be incorporated throughout instructional strategies of the course. Participation in additional student

organizations that align with Law, Public Safety, Corrections and Security pathways (i.e. mock trial) is encouraged to enhance standards addressed in the curriculum.

Public Safety Communications – Full Year Course, delivered in an independent-study model
GaDOE State Course Number: 43.46200

Prerequisite: Criminal Investigations

This course is based on the Georgia Public Safety Training Center Basic Communications Officer Training program. Extensive training on communication skills, legal and ethical responsibilities, stress management, laws and regulations, and successful inter-agency interaction and support are the standards laying the groundwork for this course. In a fast-paced environment, students learn to handle law enforcement, as well as fire and emergency calls and medical calls. Students will complete CPR, AED, and First Aid training. This course may be taken as the third course in the Public Safety Communications pathway in the Health Science cluster or the Law, Public Safety, Corrections and Security Cluster.

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS CLUSTER

ENGINEERING & TECHNOLOGY PATHWAY (IBCP PATHWAY)

Foundations of Engineering and Technology – Full Year Course

GaDOE State Course Number: 21.42500

Foundations of Engineering and Technology is the introductory course for all Georgia Engineering and Technology Education pathways. This course provides students with opportunities to develop fundamental technological literacy as they learn about the history, systems, and processes of invention and innovation.

Engineering Concepts – Full Year Course

GaDOE State Course Number: 21.47100

Prerequisite: Foundations of Engineering and Technology

Engineering Concepts is the second course in the engineering pathway. This course introduces students to the fundamental principles of engineering. Students learn about areas of specialization within engineering and engineering design, and apply engineering tools and procedures as they complete hands-on instructional activities.

Engineering Applications HL, Year 1 – Full Year Course (Not currently offered, will be offered in SY2025)

GaDOE State Course Number: 21.47200

Prerequisite: Engineering Concepts

Engineering Applications is the third course in the engineering pathway. Students have opportunities to apply engineering design as they develop a solution for a technological problem. Students use applications of mathematics and science to predict the success of an engineered solution and complete hands-on activities with tools, materials, and processes as they develop working drawings and prototypes. *Because this course also serves as Year 1 of IB Design Technology HL, students will be introduced to the IB internal assessments and curriculum in preparation for the IB Design Technology HL, Year 2 course. This course will receive an additional quality point, mirroring the grade weight for all other IB courses.*

IB Design Technology HL, Year 2 – Full Year Course

GaDOE State Course Number: 40.09600

Prerequisite: Engineering Applications

**Course meets fourth science requirement*

DP design technology aims to develop internationally-minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world. It focuses on analysis, design development, synthesis and evaluation. The creative tension between theory and practice is what characterizes design technology within the DP sciences subject group. Inquiry and problem-solving are at the heart of the subject. DP design technology requires the use of the DP design cycle as a tool, which provides the methodology used to structure the inquiry and analysis of problems, the development of feasible solutions, and the testing and evaluation of the solution. In Diploma Programme design technology, a solution can be defined as a model, prototype, product or system that students have developed independently. DP design technology achieves a high level of design literacy by enabling students to develop critical-thinking and design skills, which they can apply in a practical context. While designing may

take various forms, it will involve the selective application of knowledge within an ethical framework. A well-planned design programme enables students to develop not only practical skills but also strategies for creative and critical thinking.

ENGINEERING DRAFTING & DESIGN PATHWAY (IBCP PATHWAY)

3D Modeling & Analysis HL, Year 1 – Full Year Course (being replaced by Engineering Applications in SY2025)

GaDOE State Course Number: 48.54300

Prerequisite: Survey of Engineering Design

This is a one-credit course designed to further the development of student knowledge and skills in engineering and related mechanical design drafting areas. Emphasis is placed on 3-D working and assembly drawings including rendering and animation. While the term computer-aided design (CAD) does not appear in each competency, CAD tools and software should be used extensively throughout the course. The standards are aligned with the drafting and design standards in Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Students who successfully complete this and other drafting courses should be prepared to take the Drafter Certification Examination from the ADDA. Competencies for the co-curricular student organizations, SkillsUSA and TSA, are integral components of both the core employability skills standards and the technical skills standards. SkillsUSA or TSA activities should be incorporated throughout instructional strategies developed for the course. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential. Students also have the opportunity to earn credentials through the SolidWorks Certified Associates (CSWA) assessment and/or the SolidWorks Certified Professional (CSWP) assessment. *Because this course also serves as Year 1 of IB Design Technology HL, students will be introduced to the IB internal assessments and curriculum in preparation for the IB Design Technology HL, Year 2 course. This course will receive an additional quality point, mirroring the grade weight for all other IB courses.*

YAP/WORK BASED LEARNING

YAP/Work Based Learning – Semester or Full Year Course

GaDOE State Course Number: 06.71140

Prerequisite: An application must be submitted, and approved, by the YAP/WBL Instructor

This is a work field experience program in a career pathway of interest and is open to students who meet entrance criteria. See your counselor or YAP coordinator for more details and the application. 11-12 grade; transportation required; CTAE instructor and counselor *recommendation required*. *Students must fill out an application: <https://forms.gle/dbkKUJskr77Jfdv39>.*

Mentorship I (OAP = Office Assistant Program)

GaDOE State Course Number: 70.1000

Prerequisite: An application must be submitted, and approved, by the YAP/WBL Instructor

This is a Marietta High School program open to students who meet entrance criteria. See the YAP/Work Based Learning Coordinator for more details and the application. 11-12 grade. *Students must fill out an application: <https://forms.gle/dbkKUJskr77Jfdv39>.*