

Starr's Mill High School Course Catalog 2026-2027



Table of Contents

[Four Year Plan & Graduation Requirements](#)

[AP Course Master List](#)

[AP Course Prerequisites](#)

[Starr's Mill Master Course List](#)

[Starr's Mill Master Elective Course List](#)

[Pathway Chart](#)

[Elective Planning Chart](#)

[Freshmen Elective Options](#)

[Sophomore Elective Options](#)

[Junior & Senior Elective Options](#)

[Career & Technical Education](#)

[Aviation Pathway](#)

[Fundamentals of Aerospace \(47.460\)](#)

[Flight Operations I \(47.4880\)](#)

[Flight Operations II \(47.4890\)](#)

[Computer Science Pathway](#)

[Introduction to Software Technology \(11.4460\)](#)

[Advanced Placement Computer Science Principles \(11.0190/11.2190\)](#)

[Advanced Placement Computer Science \(11.0160/11.2160\)](#)

[Early Childhood Pathway](#)

[Early Childhood Education I \(20.52810\)](#)

[Early Childhood Education II \(20.424.0\)](#)

[Early Childhood Education III \(20.4250\)](#)

[Early Childhood Practicum \(20.4260\)](#)

[Engineering Pathway](#)

[Foundations of Engineering \(21.4250\)](#)

[Engineering Concepts \(21.4710\)](#)

[Engineering Applications \(21.4720\)](#)

[Entrepreneurship Pathway](#)

[Intro to Business & Technology \(07.4413\)](#)

[Legal Environment of Business \(06.4150\)](#)

[Entrepreneurship \(06.4161\)](#)

[Healthcare Pathway](#)

[Introduction to Healthcare \(25.5210\)](#)

[Essentials of Healthcare \(25.440\)](#)

[Allied Health & Medicine \(25.4370\)](#)

[Emergency Medical Responder](#)

[Emergency Medical Technician](#)

[Patient Care Fundamentals](#)

[Phlebotomy](#)

[Marketing Pathway](#)

[Marketing Principles \(08.4740\)](#)

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

[Promotion & Digital Marketing \(08.4510\)](#)
[Integrated Marketing Communications \(08.4520\)](#)

[Nutrition & Food Science Pathway](#)

[Nutrition & Wellness \(20.4161\)](#)
[Food for Life \(20.4140\)](#)
[Food Science \(20.4181\)](#)

[English](#)

[Core Classes](#)

[Literature and Composition I \(23.061600\)](#)
[Literature and Composition I Gifted \(23.26160\)](#)
[Literature and Composition II \(23.06170\)](#)
[Literature and Composition II Gifted \(23.26170\)](#)
[American Literature/Composition \(23.05100\)](#)
[Advanced Placement Language/Composition \(Am Lit\) \(23.05300 OR 23.25300\)](#)
[British Literature/Composition \(23.05200\)](#)
[Advanced Placement Literature/Composition \(23.06500 OR 23.26500\)](#)

[Electives](#)

[Mythology \(23.02100\)](#)
[Literature & History Old Testament \(23.0240012\)](#)
[Literature & History New Testament \(23.0250012\)](#)
[Journalism - News \(23.0320001/2\)](#)
[Journalism - YrBk \(23.0320011/12\)](#)
[Journalism IIA/B \(23.0330001/2\)](#)
[Journalism II \(23.0330011/12\)](#)
[Journalism IIIA/B \(23.0350001/2\)](#)
[Journalism III Yearbook \(23.0350081/82\)](#)
[Journalism IV A/B \(23.0360001/2\)](#)
[Journalism IV Yearbook \(23.0360081/82\)](#)
[Writer's Workshop \(23.03100\)](#)
[Advanced Composition \(23.03400\)](#)
[Literary Types/Composition \(23.06400\)](#)
[Contemporary Literature/Composition \(23.06600\)](#)
[Advanced Placement Seminar ELA \(23.0380/23.2380\)](#)
[Advanced Placement Research ELA \(23.0370/23.2370\)](#)

[Fine Arts](#)

[Art](#)

[Visual Arts/Comp I \(50.02110\)](#)
[Visual Arts/Comp II \(50.02120\)](#)
[Visual Arts/Comp III \(50.02130\)](#)
[Ceramics I \(50.0411\)](#)
[Ceramics II \(50.0412\)](#)
[Ceramics III \(50.0413\)](#)
[Ceramics IV \(50.0414\)](#)

[Band](#)

[Beginning Band I \(53.03610\)](#)
[Inter Band I \(53.03710\)](#)
[Inter Band II \(53.03720\)](#)

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

[Inter Band III \(53.03730\)](#)
[Inter Band IV \(53.03740\)](#)
[Adv Band \(53.03810\)](#)
[Adv Band II \(53.03820\)](#)
[Adv Band III \(53.03830\)](#)
[Adv Band IV \(53.03840\)](#)
[Mastery Band \(53.03910\)](#)
[Mastery Band II \(53.03920\)](#)
[Mastery Band III \(53.03930\)](#)
[Mastery Band IV \(53.03940\)](#)
[Adv Instrumental Ensemble I \(53.07610\)](#)
[Adv Instrumental Ensemble II \(53.07620\)](#)
[Adv Instrumental Ensemble III \(53.07630\)](#)
[Adv Instrumental Ensemble IV \(53.07640\)](#)

Chorus

[Beg Treble Chorus \(54.02410\)](#)
[Inter Tenor/Bass Chorus \(54.02830\)](#)
[Adv Treble Chorus \(54.02610\)](#)
[Adv Treble Chorus II \(54.02620\)](#)
[Adv Treble Chorus IV \(54.02640\)](#)
[Adv Mixed Chorus \(54.02310\)](#)
[Adv Mixed Chorus II \(54.02320\)](#)
[Adv Mixed Chorus III \(54.02330\)](#)
[Adv Mixed Chorus IV \(54.02340\)](#)
[Mastery Treble Chorus \(54.2650\)](#)
[Mastery Treble Chorus II \(54.2660\)](#)
[Mastery Treble Chorus III \(54.2670\)](#)
[Mastery Treble Chorus IV \(54.2680\)](#)

Drama

[Drama I \(52.0210\)](#)
[Technical Theater I \(52.0410\)](#)
[Technical Theater II \(52.0420\)](#)
[Technical Theater III \(52.0430\)](#)
[Technical Theater IV \(52.0440\)](#)
[Adv Drama I \(52.0510\)](#)
[Adv Drama II \(52.0520\)](#)
[Adv Drama III \(52.05230\)](#)
[Adv Drama IV \(52.05240\)](#)

Miscellaneous

[Beginning Guitar \(53.0841\)](#)
[Advanced Placement Music Theory \(53.023, 53.223\)](#)
[Advanced Placement History/Art \(50.0921/50.2921\)](#)

Orchestra

[Adv Orchestra I \(53.05810\)](#)
[Adv Orchestra II \(53.05820\)](#)
[Adv Orchestra III \(53.05830\)](#)
[Adv Orchestra IV \(53.05840\)](#)

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Mathematics

[Algebra: Concepts and Connections \(27.08110\)](#)
[Geometry: Concepts and Connections \(27.08210\)](#)
[Gftd/Hnrs Geometry: Concepts and Connections \(27.28210/27.082106\)](#)
[Acc Geom B/Adv Alg: Concepts and Connections \(27.083108/27.283108\)](#)
[Advanced Algebra: Concepts and Connections \(27.08310\)](#)
[Gftd/Hnrs Advanced Algebra: Concepts and Connections \(27.28310/27.083106\)](#)
[Precalculus \(27.08410\)](#)
[Statistical Reasoning \(27.08800\)](#)
[College Readiness Mathematics \(CRM\) \(27.08900\)](#)
[AP Statistics \(27.0740/27.2740\)](#)
[AP Precalculus \(27.0741/27.2741\)](#)
[AP Calculus AB \(27.0720/27.2720\)](#)
[AP Calculus BC \(27.0730/27.2730\)](#)

Physical Education

[Health \(17.0110\)](#)
[Int Team Sports \(36.0310\)](#)
[Personal Fitness \(36.0510\)](#)
[Body Sculpting \(36.0560\)](#)
[Adv Weight Training \(36.0640\)](#)

Science

[Biology \(26.01200\)](#)
[Biology Gifted \(26.21200\)](#)
[Chemistry \(40.0510\)](#)
[Chemistry Gifted \(40.251000\)](#)
[Physics \(40.0810\)](#)
[Environmental Science \(26.06110\)](#)
[Human Anatomy & Physiology \(26.0620\)](#)
[Forensic Science \(40.0930\)](#)
[Advanced Placement Physics I \(40.28310, 40.08310\)](#)
[Advanced Placement Physics II \(40.28320, 40.08320\)](#)
[Advanced Placement Physics C Mechanics \(40.28410, 40.08410\)](#)
[Advanced Placement Environmental Science \(26.2620, 26.0620\)](#)
[Advanced Placement Biology \(26.2140, 26.0140\)](#)
[Advanced Placement Chemistry \(40.2530, 40.0530\)](#)

Social Studies

Core

[World History \(45.0830\)](#)
[Advanced Placement World History \(45.2811, 45.0811\)](#)
[United States History \(45.0810\)](#)
[Advanced Placement United States History \(45.2820, 45.0820\)](#)
[American Government/Civics \(45.0570\)](#)
[Advanced Placement Government \(45.2520, 45.0520\)](#)
[Personal Finance & Economics \(45.0610\)](#)
[Advanced Placement Macroeconomics \(45.2620, 45.0620\)](#)

Electives

[Psychology \(45.0150\)](#)

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

[Sociology \(45.031\)](#)
[U.S. History in Film \(45.08120\)](#)
[Early Military History \(45.08910\)](#)
[Modern Military History \(45.0890\)](#)
[Advanced Placement Human Geography \(45.2770, 45.0770\)](#)
[Advanced Placement European History \(45.284, 45.0840\)](#)
[Advanced Placement Psychology \(45.2160, 45.0160\)](#)

World Languages

[French I \(60.0110\)](#)
[French II \(60.0120\)](#)
[French III \(60.0130\)](#)
[French IV \(60.0140\)](#)
[Advanced Placement French \(60.2170, 60.0170\)](#)
[German I \(61.0110\)](#)
[German II \(61.0120\)](#)
[German III \(61.0130\)](#)
[German IV \(61.0140\)](#)
[Spanish I \(60.0710\)](#)
[Spanish II \(60.0720\)](#)
[Spanish III \(60.0730\)](#)
[Spanish IV \(60.0740\)](#)
[Advanced Placement Spanish \(60.2770, 60.0770\)](#)

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Four Year Plan & Graduation Requirements

The four-year plan and graduation requirements can be found below. For the full-size document, click [here](#). See below for screenshots of what it looks like.



Starr's Mill High School Academic Pathways

The table below shows example academic pathways for each content area. A student can be on-level in one content area and on a more advanced pathway in another content area. While there is room for flexibility and deviation, the table serves as a guide for the most common sequences that students complete during their time at Starr's Mill High School. Please contact your students school counselor if you have specific questions.



Subject/Content Area	Academic Pathway	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Language Arts (4 years of courses required for graduation)	On-level	Literature & Composition I	Literature & Composition II	American Literature & Composition	British Literature & Composition
	Advanced/AP Pathway	Literature & Composition I	Literature & Composition II	AP Language & Composition	AP Literature & Composition OR Dual Enrollment
Mathematics (4 years of courses required for graduation)	On-level	Algebra: Concepts & Connections	Geometry: Concepts & Connections	Advanced Algebra: Concepts & Connections	AP Precalculus OR AP Statistics OR Precalculus OR Statistical Reasoning
	Advanced	G/H Geometry: Concepts & Connections	G/H Advanced Algebra: Concepts & Connections	AP Precalculus	AP Calculus AB/BC OR AP Statistics OR AP Computer Science A
	Accelerated	Accelerated Geometry B/Advanced Algebra: Concepts & Connections	AP Statistics OR AP Precalculus	AP Precalculus OR AP Calculus AB/BC	AP Calculus AB/BC OR Dual Enrollment
Science (4 years of courses required for graduation)	On-level	Biology	Chemistry	Physics	4 th Year Science Elective OR AP Science Elective OR Dual Enrollment
	Advanced/AP Pathway	Biology	Chemistry	AP Physics 1	AP Science Elective OR Dual Enrollment
Social Studies (3 years of courses required for graduation)	On-level		World History	US History	Personal Finance & Economics and American Government OR Dual Enrollment
	AP Pathway	AP Human Geography	AP World History	AP US History	AP Macroeconomics and AP Government OR Dual Enrollment
Physical Education/Health	1 year of Health & Personal Fitness is Required	Health and Personal Fitness	Additional electives include Int. Team Sports, Adv. Weight Training, and Body Sculpting		
World Languages	Spanish German French	<ul style="list-style-type: none"> Starr's Mill HS offers Spanish I-IV, AP Spanish (by teacher recommendation); German I-IV, and French I-IV and AP French (by teacher recommendation). Students planning to attend a college or university should take 2 years of the same World Language. Students are recommended to take 3-4 years between middle and high school if applying to a competitive 4-year university. Students should complete their World Language experience in consecutive years, including the transition from Middle School into High School. Placement tests may be given to determine the best placement for higher levels of a World Language. Graduating seniors can achieve the Seal of Biliteracy, which recognizes a high level of proficiency in speaking, reading, and writing in one or more languages. 			
Career Technical	See descriptions (next page)	<ul style="list-style-type: none"> Career & Technical Education (CTE) provides students with the opportunity to select at least three sequenced courses in a career pathway. Graduating seniors can achieve a Career Ready Diploma Seal, which recognizes completion of a Georgia CTE Pathway and success on an End of Pathway Assessment (EOPA)/Industry Recognized Credentialing exam. Some seals also require participation in a state-approved Work-Based Learning program or completion of a career-related capstone project. Considering Work-based Learning? Go to https://www.fcboe.org/Page/5368 to check your readiness for WBL and complete the WBL application. 			
Fine Arts	See descriptions (next page)	<ul style="list-style-type: none"> Fine Arts Electives include courses in Band, Chorus, Orchestra, Theater, and Visual Arts. AP Music Theory may also be offered. Graduating seniors can achieve a Fine Arts Diploma Seal, which recognizes completion of a Georgia Fine Arts Pathway and creative industry focused courses, extra-curricular activities, and experiences that foster Fine Arts mastery. These students are planning for careers in Fine Arts-related fields. 			

- Graduation Requirements: Students must earn 23 credits in order to graduate. The breakdown for credits that must be earned is as follows: 4 Language Arts credits, 4 Math credits, 4 Science credits, 3 Social Studies credits, Health + Personal Fitness, 3 electives within World Language/CTE or Fine Arts, and 4 additional general electives credits.
- The table above does not include designations such as Gifted and support electives. Those designations, including Study Skills, Reading Enrichment and High School Transition, will be present on all course requests and schedules.
- Any non-core course, including a pathway or academic elective course, that is offered is contingent upon a minimum enrollment number.



CTE & Fine Arts Pathways

The table below shows the CTE and Fine Art Pathways and electives offered at SMHS. The table also demonstrates the post-graduation college and career opportunities for students upon completion of a pathway.
*NOTE: Scheduling priority for our Intro CTE and Fine Arts courses is given to 10th grade students seeking to start a new pathway, followed by 9th graders. Additionally, scheduling a offered pathway or elective course is contingent upon enrollment numbers and staffing allocations.



Pathway	Descriptions	Course 1	Course 2	Course 3	Course 4 or WBL (optional)	Post-Secondary Education Opportunities	Future Career Opportunities
Aerospace Flight Operations	This pathway will introduce students to the basics of aircraft navigation and the communication methods necessary for safe aircraft operations. Additionally, students will gain a meteorological foundation for understanding the forecasting and charting of weather patterns as applied to the air transportation industry.	Fundamentals of Aerospace	Flight Operations I	Flight Operations II		TECHNICAL COLLEGES: Aviation Maintenance Technology; Avionics Technician; Professional Flight/Avionautics COLLEGE/UNIVERSITIES: Aerospace Engineering, Aviation Management, Professional Flight/Avionautics	Air Traffic Controller, Aircraft Cargo Handling Supervisor, Jetfuel Operations Specialist, Commercial Pilot, Aerospace Engineer, Aircraft Operations Specialist, Avionics Safety Specialist, Avionics Inspector, Flight Attendant, Operations Technician
Computer Science or Programming	Careers in Computer Science lead individuals to create, modify, and test codes: all while inventing and designing new approaches to computing technology and finding innovative uses for existing technology. Career paths focus on solving complex problems in computing for business, medicine, science, and other fields.	Introduction to Software Technology	AP Computer Science Principles	AP Computer Science A	Programming, Asst. Games and Society (3rd course in Programming Pathway)	TECHNICAL COLLEGES: Computer Engineering Technology, Network Specialist, Network Specialist COLLEGE/UNIVERSITIES: Computer Systems Engineering, Bachelor of Arts Applied Computer Science, Bachelor of Science in Computer Science and Design	Computer Programmer, Computer System Analyst, Software developer, Application Developer, Administrative and Architects, Network and Computer Systems Administrator
Early Childhood Education	Preschool, kindergarten and elementary school teachers play a vital role in the development of children. They introduce children to math, language, science and social studies. They use games, music, artwork, films, books, computers and other tools to teach basic skills. Teachers design classroom presentations to meet students' needs and abilities. They also work with students individually. They are responsible for planning, evaluating, and creating lessons.	Early Childhood Education I	Early Childhood Education II	Early Childhood Education Practicum	Early Childhood Education Apprenticeship through WBL	TECHNICAL COLLEGES: Child Care Assistant, Child Care Manager, Child Development Associate (CDA) or CDA Development Specialist, Early Childhood Care and Education Associate, Degree, Early Childhood Education Program Administration, Infant/Toddler Child Care Specialist COLLEGE/UNIVERSITIES: Art Teacher, Elementary Teacher, Music Teacher, Physical Education Teacher	Kindergarten Teacher, Preschool Teacher, Special Education Teacher, After School Program Supervisor, Child Care Director/Owner, Child Life Specialist, Educational and Teacher Aide, Elementary School Teacher, Recreation Attendant, Preschool Teacher, University Instructor and Professor
Engineering and Technology	The courses in this pathway give students the opportunity to develop skills and understanding of course concepts through acting, project, and problem based (AP/IB) learning. Students will be challenged to continually hone their creative abilities and understanding of the design process.	Foundations of Engineering & Technology	Engineering Concepts	Engineering Applications		TECHNICAL COLLEGES: Stem, Registered Apprenticeships, Special Purpose Schools, On the Job Training, Military COLLEGE/UNIVERSITIES: 4 year Engineering (Civil, Mechanical, Electrical, & Industrial); 2 Year -Automated Manufacturing and Fabricating Technology	Civil Engineer, Electrical Engineer, Industrial Engineer, Materials Engineer, Mechanical Engineer
Entrepreneurship	Entrepreneurs, innovators, and small business play a key role in the economy. Business professionals must possess excellent communication skills and be able to establish working relationships with many people. The courses in this pathway expose students to these skills as well as introduce the concepts of technology use in business, legal issues related to the business field and the skills necessary to become a successful entrepreneur.	Introduction to Business and Technology	Legal Environment of Business	Entrepreneurship		TECHNICAL COLLEGES: Business Office Technology, Entrepreneurship, Management and Supervisory Development, Office Administration COLLEGE/UNIVERSITIES: Business, Business Administration	Advertising and Promotions Manager, Chief Executive, Personal Financial Advisor, Social and Community Service Manager, Training and Development Manager, Analyst and Assessor of Real Estate, Accountant and Auditor, Bank Teller, Claims, Adjuster and Examiner
Healthcare Science	These pathway courses will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is included including medical terminology, microbiology, and basic life support.	Introduction to Healthcare Science	Essentials of Healthcare	Allied Health & Medicine OR OR courses: Patient Care Fundamentals, EMT, EMT or Diagnostics, Phlebotomy		TECHNICAL COLLEGES: Clinical Lab Technology, Dental Assisting, Hygiene, Medical Assisting, Nurse Aid, Pharmacy Technology, Physical Nursing, Radiologic Technology, Registered Nursing, Surgical Technology, Flight Nurse COLLEGE/UNIVERSITIES: Dentist, Doctor, Surgeon, Nurse Practitioner, Physical Therapist, Registered Nurse	Dental Hygienist, Medical and Clinical Laboratory Technician, Physical Therapist, Surgical Technologist, Physician Assistant, Nurse Practitioner, Occupational Therapist, Registered Nurse, EMT/Paramedic, Cardiovascular Technologist, Radiologic Technologist
Marketing Communications and Promotions	This pathway prepares students with technical and marketing skills necessary to develop successful marketing campaigns. Students will learn about marketing concepts such as branding, analytics, public relations, and special promotions. Students will also develop essential communication skills necessary for selling, sales promotion and digital marketing communication.	Marketing Principles	Promotion and Digital Marketing	Integrated Marketing Communications		TECHNICAL COLLEGES: Business Administration, Entrepreneurship, Export Sales Management, Fashion Design and Marketing, Retail and Merchandising, Advertising, Business Economics, Communication, Graphic Arts, Hospitality COLLEGE/UNIVERSITIES: Accounting, Advertising, Marketing, Professional Sales, Real Estate, Risk Management and Insurance	Agents and Business Managers of Art, Performance and Athletics, Human Resources, Training and Labor Relations Specialist, Marketing Technician Specialist, Product Financial Advisor, Advertising Account Executive, Brand Manager, Creative Director, Communications Specialist, Social Media Promoter
Nutrition & Food Science	Employment in this field is expected to grow faster than average as a result of the increasing emphasis on disease prevention through improved dietary habits. A growing and aging population will increase the demand for meals and nutritional counseling agencies in hospitals, residential care facilities, schools, prisons, community health programs, and home health care.	Food, Nutrition, and Wellness	Food for Life	Food Science		TECHNICAL COLLEGES: Culinary Food and Beverage Management, Food Production Assistant, Worker, or Apprenticeship COLLEGE/UNIVERSITIES: Dietetics/Dietician, PACS Education, Food, Nutrition and Wellness Studies, Food Science and Technology	Chief and Head Cook, Dietician/Nutritionist, Dietetics Technician, Exercise Physiologist, Athletic Trainer
FINE ARTS	Performing Arts	The courses in the Band, Chorus, Orchestra, and Theater pathways develop and grow a student's passion for performing and expressing themselves through various artistic mediums.		<ul style="list-style-type: none"> BAND: Intermediate, Advanced, Mastery and Ensemble; Beginning Guitar Chorus: Chorus I, II, III, IV ORchestra/Chorus: If you're needing to be placed in a higher level during registration Teacher determines placement for higher levels DRAMA: Drama I, Technical Theater Teacher determines placement for Advanced Drama I, II, III, IV DRHESTRAL: Advanced Orchestra Chorus: Chorus I, II, III, IV Teacher determines placement 		<ul style="list-style-type: none"> Bachelor's Degree: Studio Production, Music Business, Music Technology, Recording, Sound/Lighting Design. Bachelor's Degree: Art & Design, Multimedia Design, Graphic Design, Education 	
		Visual Arts	The courses in the Art pathway are ideal for creative students who thrive when able to express themselves through manipulation and study of visual media.		Visual Arts/Comp I-IV	Ceramics I-IV	

Additional ELECTIVES	ENGLISH	SCIENCE	SOCIAL STUDIES
<ul style="list-style-type: none"> Journalism (9-12) - Credentialed Journalism? Select Journalism-News during registration (or the next applicable level) Journalism (9-12) - Credentialed Yearbook? Select YRBK- Yearbook (Application) during registration 	<ul style="list-style-type: none"> Mythology (9-12) AP Seminar (10-12) AP Research (11-12) 	<ul style="list-style-type: none"> AP Env Science (STEM, 9-12) AP Biology (11-12) AP Chemistry (11-12) Anatomy & Physiology (11-12) Environmental Science (11-12) 	<ul style="list-style-type: none"> AP Human Geography (9-12) AP Art History (10-12) World Geography (9-12) Psychology/Sociology (11-12) AP Psychology (11-12) AP European History (11-12)

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AP Course Master List

Course Name	Course Number		Course Name	Course Number
AP History/Art	50.0921001/2 50.2921001/2		AP Macroeconomics (One Semester - Paired)	45.0620012 45.2620012
AP Biology	26.0140001/2 26.2140001/2		AP Music Theory	53.0230001/2 53.2230001/2
AP Calculus AB	27.0720001/2 27.2720001/2		AP Physics 1	40.0831001/2 40.2831001/2
AP Calculus BC	27.0730001/2 27.2730001/2		AP Physics 2	40.0832001/2 40.2832001/2
AP Chemistry	40.0530001/2 40.2530001/2		AP Physics C: Mechanics	40.0841001/2 40.2841001/2
AP Computer Science Principles	11.0190001/2 11.2190001/2		AP Precalculus	27.0741001/2 27.2741001/2
AP Computer Science	11.0160001/2 11.2160001/2		AP Psychology	45.0160001/2 45.2160001/2
AP English Language & Composition (Am Lit)	23.0530001/2 23.2530001/2		AP Research	23.0370001/2 23.2370001/2
AP English Literature & Composition	23.0650001/2 23.2650001/2		AP Seminar	23.0830001/2 23.2830001/2
AP Environmental Science	26.0620001/2 26.2620001/2		AP Spanish Language & Culture	60.0770001/2 60.2770001/2
AP European History	45.0840001/2 45.284001/2		AP Statistics	27.0740001/2 27.2740001/2
AP French	60.0170001/2 60.2170001/2		AP US History	45.0820001/2 45.2820001/2
AP Government (One Semester - Paired)	45.0520012 45.2520012		AP World History	45.0811001/2 45.2811001/2
AP Human Geography	45.0770001/2 45.2770001/2			

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26-27 AP Course Prerequisites

Directions: Students are required to submit the online course request (School website) to be considered for AP courses. Read through all information to 1) review course offerings and determine which courses you request, 2) determine whether or not you meet the prerequisites for the course, and 3) review and agree to the AP Policies and Agreement.

STEP 1: Review Course Offerings and Determine Which Courses You Will Request			
Content Area	Course	Grade(s)	Prerequisite
CTE	AP Computer Science Principles	10-12	HS Algebra <i>or</i> Accelerated Algebra 1/Geometry A <i>Minimum Grade of 80% (S1)</i> OR Intro to Software Technology <i>Minimum Grade of 85% (S1)</i>
	AP Computer Science A	11-12	Accelerated Pre-Calculus, Accelerated Geo/Alg II or Algebra II <i>Minimum Grade of 80% (S1)</i> OR AP Computer Science Principles - <i>Minimum Grade of 85%</i>
English	AP Language	11	10th Lit Minimum Grade of 85% (S1) Or Gifted 10th Lit Minimum Grade of 80% (S1)
	AP Literature	12	American Lit or AP Language Minimum Grade of 80% (S1) OR Successful completion of College English Dual Enrollment Course
	AP Seminar	10-12	Current English Course Minimum Grade of 85% (S1) OR Current Gifted English Course Minimum Grade of 80% (S1)
	AP Research	11-12	AP Seminar
Fine Arts	AP Art History	10-12	Minimum Grade of 80% in current English course (S1)
	AP Music Theory	10-12	1 year of band, chorus, guitar or orchestra Minimum Grade of 85% (S1)
Math	AP Calculus	12	AP PreCalculus <i>Math teacher recommends AB or BC</i>
	AP Precalculus	10-12	Successful completion of Accelerated

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			GeoB/Advanced Algebra or H/G Advanced Algebra OR Advanced Algebra with Minimum grade of 85% OR Accelerated student wishing to double in math (e.g. take AP Stats concurrently with AP PreCalculus or AP Calculus) Minimum grade of 85% in current course
	AP Statistics	10-12	Successful completion of Accelerated GeoB/Advanced Algebra or H/G Advanced Algebra or AP Precalculus OR Advanced Algebra or PreCalculus Minimum grade off 85% OR Accelerated student wishing to double in math (e.g. take AP Stats concurrently with AP PreCalculus or AP Calculus) Minimum grade of 85% in current course
Science	AP Biology	11-12	Biology and Chemistry Minimum Grade of 80% in both and Developing Learner or higher on Biology EOC
	AP Chemistry	11-12	Biology and Chemistry Minimum Grade of 85% in both
	AP Environmental Science	9	HS Physical Science Minimum Grade of 80%
		10-12	10th grade: Biology (> 80%) and concurrently enrolled in Chemistry 11 - 12: Biology (> 80%) and Chemistry (>80% if completed or concurrent)
	AP Physics I	11-12	Biology and Chemistry Minimum Grade of 85% in both AND Algebra I and Geometry Minimum Grade of 85% in both
	AP Physics II	12	AP Physics 1 or Physics Minimum Grade of 80%
	AP Physics C: Mechanics	12	AP Physics 1 or Physics Minimum Grade of 80%
Social Studies	AP European History	11-12	AP World or AP US History Minimum of 80% OR World History/US History and Current English Class (S1) Minimum Grade of 85% in both
	AP Government (one semester)	12	AP US History Minimum grade of 80% OR

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			US History Minimum Grade of 85%
	AP Human Geography	9-10	Rising 9th Grade: Gifted English Minimum grade of 80% OR English Minimum grade of 85% OR Rising 10th Grade: 9th Lit or Gifted 9th Lit Minimum Grade of 80% (S1)
	AP Macroeconomics (one semester)	12	AP US History or US History and Algebra II Minimum Grade of 80% in all
	AP Psychology	11-12	AP World History or AP US History Minimum grade of 80% OR World History or US History and Current English Class (S1) Minimum grade of 85% in both
	AP US History	11	AP World History Minimum grade of 80% OR World History and Current English Class (S1) Minimum grade of 85% in both
	AP World History	10	9th Lit or Minimum Grade of 85% (S1) OR Gifted 9th Lit Minimum Grade of 80% (S1)
World Language	AP French	11-12	French IV or French III <i>French teacher recommends level</i>
	AP Spanish	11-12	Spanish IV or Spanish III Spanish/Native Speaker II or III <i>Spanish teacher recommends level</i>

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Starr's Mill Master Course List

<u>Language Arts</u>	<u>Course Numbers</u>	<u>Mathematics</u>	<u>Course Numbers</u>	<u>Science</u>	<u>Course Numbers</u>
Literature/Comp I	23.0616001/2	Algebra Concepts/Connections	27.0811001/2	Biology	26.0120001/2
Literature/Comp I Gifted	23.2616001/2	Algebra Concepts/Connections Support	27.1812011/2	Biology Gifted	26.2120001/2
Literature/Comp II	23.0617001/2	Geometry Concepts/Connections	27.0812001/2	Chemistry	40.0510001/2
Literature/Comp II Gifted	23.2617001/2	Geometry Concepts/Connections Support	27.1822011/2	Chemistry Gifted	40.2510001/2
American Literature	23.0510001/2	Adv Algebra:Concepts/Connections	27.0813001/2	Physics	40.0810001/2
AP Language	23.0530001/2 23.2530001/2	Adv Algebra:Concepts/Connections Support	27.1832011/2	Environmental Science	26.0611001/2
British Literature	23.0520001/2	Geometry Gifted/Honors	27.2821001/2 27.0821061/2	Forensic Science	40.0930001/2
AP Literature	23.0650001/2 23.2650001/2	Adv Algebra Gifted/Honors	27.2831001/2 27.0831061/2	Human Anatomy	26.0730001/2
		Acc Geometry B/Adv Algebra	27.0831081/2 27.2831081/2	AP Physics 1	40.0831001/2 40.2831001/2
<u>Social Studies</u>		PreCalculus	27.0841001/2	AP Physics 2	40.0832001/2 40.2832001/2
World History	45.0830001/2	Statistical Reasoning	27.0880001/2	AP Physics C: Mechanics	40.0841001/2 40.2841001/2
AP World History	45.0811001/2 45.2811001/2	College Readiness Math	27.0890001/2	AP Environmental Science	26.0620001/2 26.2620001/2
US History	45.0810001/2	AP Statistics	27.0740001/2 27.2740001/2	AP Chemistry	40.0530001/2 40.2530001/2
AP US History	45.0820001/2 45.2820001/2	AP Precalculus	27.0741001/2 27.2741001/2	AP Biology	26.0140001/2 26.2140001/2
Am Govt/Civics	45.0570012	AP Calculus AB	27.0720001/2 27.2720001/2		
Personal Finance/Econ	45.0610012	AP Calculus BC	27.0730001/2 27.2730001/2		
AP Government (1 semester)	45.0520012 45.2520012				
AP Macroeconomics (One Semester)	45.0620012 45.2620012				

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Starr's Mill Master Elective Course List

Course Name	Course Number		Course Name	Course Number
CTE			Journalism II (Newspaper)	23.0330001/2
Intro to Business & Tech	07.4413001/2		Journalism II (Yearbook)	23.0330011/2
Legal Environment of Business	06.4150001/2		Journalism III	23.0350001/2
Entrepreneurship	06.4161001/2		Journalism III - Yearbook	23.0350081/2
Marketing Principles	08.4740001/2		Journalism IV	23.0360001/2
Promotional & Digital Marketing	08.4510001/2		Journalism IV - Yearbook	23.0360081/2
Integrated Marketing & Communications	08.4520001/2		Writer's Workshop	23.0310001/2
Intro to Software Technology	11.4460001/2		Literary Types/Composition	23.0640001/2
AP Computer Science	11.0190001/2, 11.2190001/2		Advanced Composition	23.0340001/2
AP Computer Principles	11.0190001/2, 11.2190001/2		Contemporary Lit Types/Comp	23.0660001/2
Early Childhood Education I	20.5280001/2		Fine Arts	
Early Childhood Education II	20.4240001/2		Adv Mixed Chorus II	54.0232001/2
Early Childhood Education Practicum	20.4260001/2		Adv Mixed Chorus III	54.0233001/2
Nutrition & Wellness	20.4161001/2		Adv Mixed Chorus IV	54.0234001/2
Food for Life	20.4140001/2		Mastery Treble Chorus I	54.0265001/2
Food Science	20.4181001/2		Mastery Treble Chorus II	54.0266001/2
Foundations of Engineering	21.4250001/2		Mastery Treble Chorus III	54.0267001/2
Engineering Concepts	21.4710001/2		Mastery Treble Chorus IV	54.0268001/2
Engineering Applications	21.4720001/2		Beginning Band I	53.0361001/2
Intro Healthcare Science	25.5210001/2		Inter Band I	53.0371001/2
Essentials of Healthcare	25.4400001/2		Inter Band II	53.0372001/2
Fundamentals of Aerospace	46.04600001/2		Inter Band III	53.0373001/2
Flight Operations I	47.4880001/2		Inter Band IV	53.0374001/2
Flight Operations II	47.4890001/2		Advanced Band I	53.0381001/2
English			Advanced Band II	53.0382001/2
Mythology	23.0210001/2		Advanced Band III	53.0383001/2
Lit/History Old Testament	23.0240001		Advanced Band IV	53.0384001/2
Lit/History New Testament	23.0250001		Beginning Guitar	53.041011/2
Journalism - News	23.0320001/2		Adv Instr Ensemble	53.0761001/2
Journalism - Yrbk	23.0320011/2		Adv Instr Ensemble II	53.0762001/2
Adv Instr Ensemble III	53.0763001/2		Adv Drama III	52.0530001/2

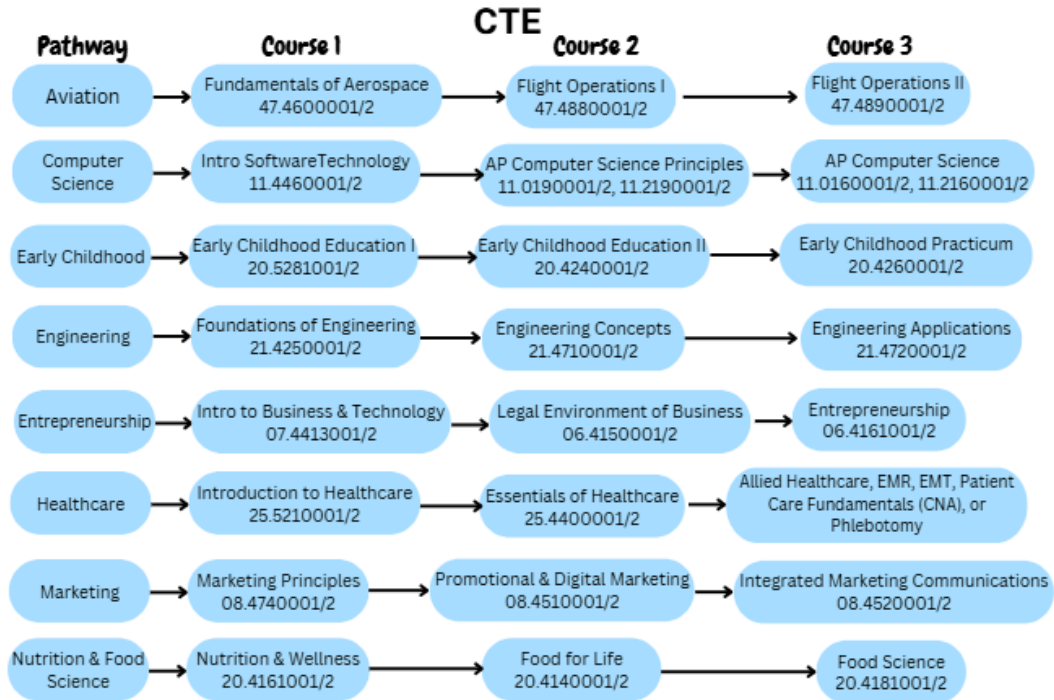
**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Adv Instr Ensemble IV	53.0764001/2		Adv Drama IV	52.0540001/2
Mastery Band I	53.0391001/2		Technical Theater I	54.0410001/2
Mastery Band II	53.0392001/2		Technical Theater II	54.0420001/2
Mastery Band III	53.0393001/2		Technical Theater III	54.0430001/2
Mastery Band IV	53.0394001/2		Physical Education	
Beginning Treble Chorus	54.0241001/2		Body Sculpting	36.0560011/2
Inter Tenor/Bass Chorus	54.0281001/2		Adv Weight Training	36.0640011/2
Adv Treble Chorus I	54.0261001/2		Team Sports	36.0310011/2
Adv Treble Chorus II	54.0262001/2		Social Studies	
Adv Treble Chorus III	54.0263001/2		Early US Military History	45.0891012
Adv Treble Chorus IV	54.0264001/2		Modern US Military History	45.0890012
Adv Mixed Chorus I	54.0231001/2		Psychology	45.0150011
Technical Theater III	54.0430001/2		Sociology	45.0310012
Adv Mixed Chorus II	54.0232001/2		U.S. History in Film	45.0812011/2
Adv Mixed Chorus III	54.0233001/2		AP Human Geography	45.0770001/2, 45.2770001/2
Adv Mixed Chorus IV	54.0234001/2		AP Psychology	45.0160001/2, 45.2160001/2
Visual Arts/Comp I	50.0313011		World Languages	
Visual Arts/Comp II	50.0431012		Spanish I	60.0710001/2
Visual Arts/Comp III	50.0312012		Spanish II	60.0720001/2
Visual Arts/Comp IV	50.0321012		Spanish III	60.0730001/2
Ceramics I	50.04110001/2		Spanish IV	60.0740001/2
Ceramics II	50.04120001/2		German I	61.0110001/2
Ceramics III	50.04130001/2		German II	61.0120001/2
Ceramics IV	50.04140011/2		German III	61.0130001/2
Adv Orchestra I	53.0581001/2		German IV	61.0140001/2
Adv Orchestra II	53.0582001/2		French I	60.0110001/2
Adv Orchestra III	53.0583001/2		French II	60.0120001/2
Adv Orchestra IV	53.0584001/2		French III	60.0130001/2
AP Music Theory	53.0230001/2, 53.2230001/2		French IV	60.0140001/2
AP Art History	50.0921001/2, 50.2921001/2		AP Spanish	60.0170001/2, 60.2770001/2
Drama I	52.0210001/2		AP French	60.0170001/2, 60.2170001/2
Adv Drama I	52.0510001/2			
Adv Drama II	52.0520001/2			

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Pathway Chart

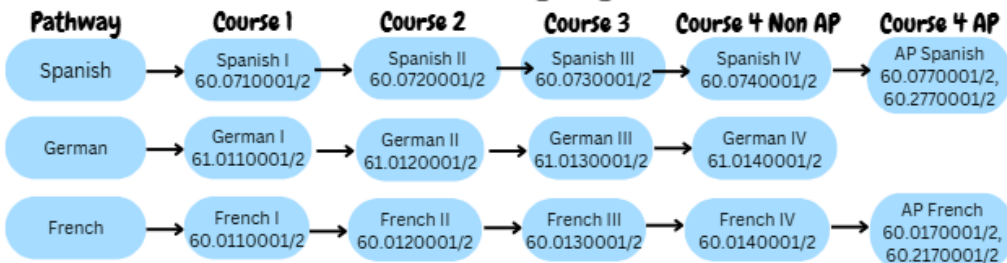
STARR'S MILL HIGH SCHOOL PATHWAYS/ELECTIVES 2026-2027



English



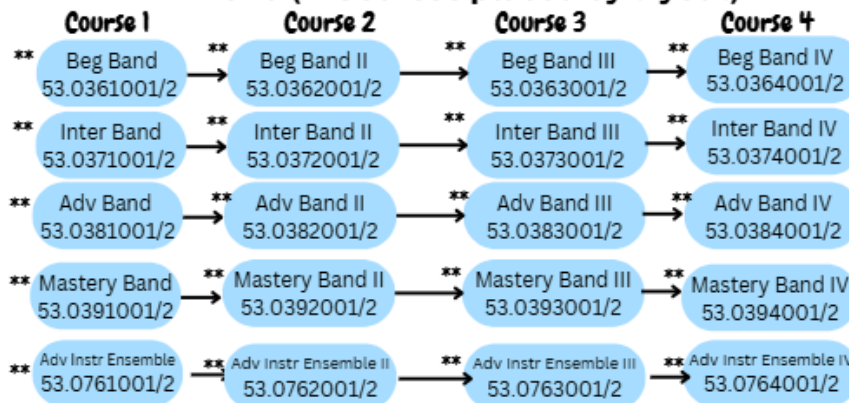
World Languages



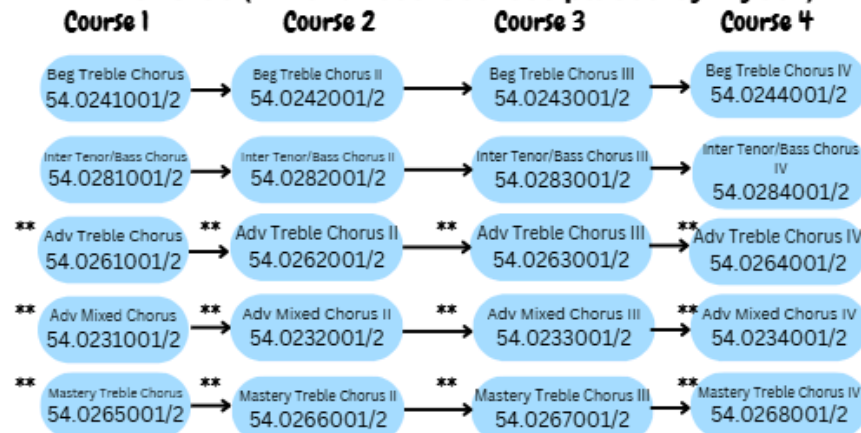
**Courses offered subject to change based on number of requests for the course as well as staffing availability*

STARR'S MILL HIGH SCHOOL PATHWAYS/ELECTIVES 2026-2027

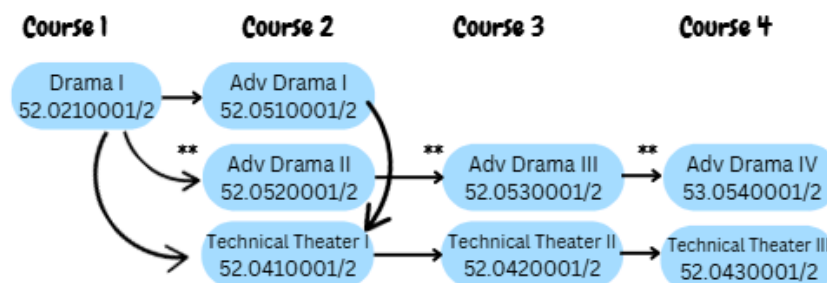
Band (**Courses placed by tryout)



Chorus (**Advanced Courses placed by tryout)



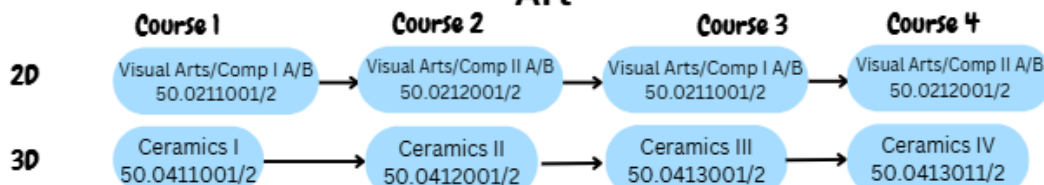
Drama (**Advanced Courses placed by tryout)



Orchestra (Course Period placed by tryout)



Art



The Band, Chorus, Drama, and Orchestra courses with ** are placed by tryouts only. Course numbers listed are for counselor reference. Students should request BandA/BandB, ChorusA/ChorusB, DramaA/DramaB, OrchA/OrchB in academic planner.

Elective Planning Chart

To help students choose their electives and plan their schedules effectively, here's a breakdown of what they need to do:

1. **Review the Pathway Chart:** Start by examining the Career/Technical Pathway charts. These charts list the introductory-level courses along with their course numbers for each semester (A & B). The comments next to each course indicate the names of the second and third level courses within the pathway.
2. **Select Both Semesters:** Be sure to add both the A and B versions of any course into your academic planner. This will ensure you are scheduled for the full year, as both semesters are required for successful completion.
3. **Add Electives Carefully:** This applies not only to pathway courses but to any elective courses that are not part of a CTE Pathway.
4. **Choose 3 Alternate Courses:** Select three alternate courses as backup options. This is essential because:
 - Some courses may not be offered if there aren't enough student requests.
 - A course might not be available due to staffing constraints.
 - A class could reach its maximum capacity.

Following these steps will help ensure that you have a complete schedule with your preferred electives or suitable alternatives.

Career Pathway	1st Semester Class	2nd Semester Class	Comments
Aviation	Fundamentals of Aerospace A 46.4600001	Fundamentals of Aerospace B 46.4600002	Fundamentals of Aerospace A/B is the first level. Second level: Flight Operations I A/B Third Level: Flight Operations IIA/B
Computer Science	Intro to Software Technology A - 11.4460001	Intro to Software Technology B - 11.4460002	Intro to Software Technology A/B is the first level. Second Level: AP Computer Science Principles A/B Third Level: AP Computer Science A/B
Engineering	Foundations of Engineering IA 21.4250001	Foundations of Engineering IB 21.4250002	Foundations of Engineering IA/B is the first level. Second Level: Engineering Concepts A/B Third Level: Engineering Applications A/B
Entrepreneurship	Intro Business & Technology A 07.4413001	Intro Business & Technology B 07.4413002	Intro Business & Technology A/B is the first level. Second Level: Legal Environment Bus A/B Third Level: Entrepreneurship A/B
Early Childhood Education	Early Childhood Education A 20.5280001	Early Childhood Education B 20.5280002	Early Childhood Education I A/B is the first level. Second Level: Early Childhood Education II A/B Third Level: Early Childhood Practicum A/B

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Healthcare	Intro Healthcare Science IA 25.5210001	Intro Healthcare Science IB 25.5210002	Intro Healthcare Science I A/B is the first level. Second Level: Essentials of Healthcare A/B Third Level: Application is required
Marketing	Marketing Principles A 08.4740001	Marketing Principles B 08.4740001	Marketing Principles A/B is the first level. Second Level: Promotion & Digital Marketing A/B Third Level: Integrated Marketing & Communications A/B
Nutrition & Food Science	Nutrition & Wellness A 20.4161001	Nutrition & Wellness B 20.4161002	Nutrition & Wellness A/B is the first level. Second Level: Food for Life A/B Third Level: Food Science A/B
Journalism - Newspaper	Journalism-News 23.0320001	Journalism-News 23.0320002	Journalism-News is the first level. Second level: Journalism II. Third Level: Journalism III. Fourth Level: Journalism IV
Journalism - Yearbook	Journalism-YrBk YRBK Yearbook[Application]	Journalism-YrBk YRBK Yearbook[Application]	Journalism-YrBk is the first level. Second level: Journalism II. Third Level: Journalism III Yearbook. Fourth Level: Journalism IV Yearbook.
Creative Writing	Writer's Workshop A 23.0310001	Writer's Workshop B 23.0310002	Writer's Workshop is the first level. Second Level: Literary Types/Comp. Third Level: Advanced Composition. Fourth Level: Contemporary Lit Types/Comp
Spanish	Spanish IA 60.0710001	Spanish IB 60.0710002	Spanish I is the first level. Second Level: Spanish II. Third Level: Spanish III. Fourth Level: Spanish IV OR AP Spanish
French	French IA 60.0110001	French IB 60.0110002	French I is the first level. Second Level: French II. Third Level: French III. Fourth Level: French IV OR AP French
German	German IA 61.0110001	German IB 61.0110002	German I is the first level. Second Level: German II. Third Level: German III. Fourth Level: German IV

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Other Non-Pathway Electives

English	
Lit/History Old Testament (10-12) 23.0240001	Lit/History New Testament (10-12) 23.0250001
Mythology A (9-12) 23.0210001	Mythology B (9-12) 23.0210002

Social Studies	
Early US Military History (10-12) 45.0891012	Modern US Military History (10-12) 45.0890012
Psychology (11-12) 45.0150011	Sociology (11-12) 45.0150012
US History in Film (11-12) 45.08120011	US History in Film (11-12) 45.08120012

Physical Education		
Body Sculpting (9-12) 36.0560011/2	Team Sports (10-12) 36.0310011/2	Adv Weight Training (9-12) 36.0640011/2

Fine Arts				
BAND	CHORUS	DRAMA	ART	ORCHESTRA
Beg Band BandA/BandB	Beginning Treble Chorus 53.024100001/2	Drama 52.0210001/2	Visual Arts Comp I - 50.0211001/2 II - 50.0212001/2 III - 50.0213001/2 IV - 50.0214001/2	Advanced Orchestra OrchA/OrchB
Intermediate Band BandA/BandB	Inter Tenor/Bass Chorus 24.0281001/2	Advanced Drama 52.0510001/2		
Advanced Band BandA/BandB	Advanced Treble Chorus ChorusA/ChorusB	Advanced Drama II DramaA/DramaB		
Advanced Instr Ensemble BandA/BandB	Advanced Mixed ChorusA/ChorusB	Advanced Drama III DramaA/DramaB	Ceramics I 50.04110001/2 II 50.04120001/2 III 50.04130001/2 IV - 50.04140011/2	
Mastery Band BandA/BandB	Mastery Treble Chorus ChorusA/ChorusB	Advanced Drama IV DramaA/DramaB		
Beginning Guitar 53.0841011/2		Technical Theater I -52.0410001/2 II - 52.0420001/2 III- 52.0430001/2 IV- 52.440001/2		

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Freshmen Elective Options

1st Semester Class	2nd Semester Class
Personal Fitness (Required Elective) - 36.0510012	Health (Required Elective) - 17.0110012
<u>CTE</u>	
Fundamentals of Aerospace A - 46.4600001	Fundamentals of Aerospace B - 46.4600002
Foundations of Engineering IA - 21.4250001	Foundations of Engineering IB - 21.4250002
Intro Business & Technology A - 07.4413001	Intro Business & Technology B - 07.4413002
Intro to Software Technology A - 11.4460001	Intro to Software Technology B - 11.4460002
Early Childhood Education A - 20.5280001	Early Childhood Education B - 20.5280002
Intro Healthcare Science IA - 25.5210001	Intro Healthcare Science IB - 25.5210002
Marketing Principles A - 08.4740001	Marketing Principles B - 08.4740001
Nutrition & Wellness A - 20.4161001	Nutrition and Wellness B - 20.4161002
<u>English</u>	
Mythology A - 23.0210001	Mythology B - 23.0210002
Writers Workshop A - 23.0310001	Writers Workshop B - 23.0310002
Yearbook [Application] - YrBk *Application will be available at Vision Night (all levels)	
Journalism News - 23.0320001	Journalism News - 23.0320002
<u>Physical Education</u>	
Body Sculpting - 36.0560011	Body Sculpting - 36.0560012
Adv Weight Training - 36.0640011	Adv Weight Training - 36.06640012
<u>Fine Arts</u>	
Drama IA - 52.0210001	Drama IB - 52.0210002
Visual Arts/Comp IA - 50.0211001	Visual Arts/Comp IB - 50.0211002
Ceramics IA - 50.0411 001	Ceramics IA - 50.0411 001
Beginning Guitar - 53.08410011	Beginning Guitar - 53.08410012
Chorus - CHORUSA (tryouts to be placed)	Chorus - CHORUSB (tryouts to be placed)
Band -BANDA (tryouts to be placed)	Band - BANDB (tryouts to be placed)

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

1st Semester Class	2nd Semester Class
Orchestra - ORCHA(tryouts to be placed)	Orchestra - ORCHB (tryouts to be placed)
<u>World Languages</u>	
Spanish IA - 60.0710001	Spanish IB - 60.0710002
Spanish IIA - 60.0720001 **Must have HS credit for Spanish I	Spanish IIB - 60.0720002 **Must have HS credit for Spanish I
French IA - 60.0110001	French IB - 60.0110002
French IIA - 60.0120001 **Must have HS credit for French I	French IIB - 61.0110002 **Must have HS credit for French I
German IA - 61.0110001	German IB - 61.0110002
German IIA - 61.0120001 **Must have HS credit for German I	German IIB - 61.0120002 **Must have HS credit for German I
<u>AP Electives</u>	
AP Human Geography A - 45.0770001, 45.2770001 *Must have eligibility on Next Year Considerations Tab	AP Human Geography B - 45.0770002, 45.2770002 *Must have eligibility on Next Year Considerations Tab
AP Environmental Science A - 26.0620001, 26.2620001 *Must have eligibility on Next Year Considerations Tab	AP Environmental Science B - 26.0620002, 26.2620002 *Must have eligibility on Next Year Considerations Tab

For a student to be considered for enrollment in an AP course, then “AP Potential” or “Course Potential” will be noted below the AP Course Title on the next year considerations tab. Information is based on the PSAT scores or the prerequisite criteria for each AP course, including previous coursework, course grades, and a student’s grade level.

Students will be notified via email in late January about how to check in Infinite Campus, you will now have access to which AP classes you qualify for.

AP Human Geography		AP Environmental Sci	
Crs Potential: Course Potential ▼		AP Potential: AP Potential ▼	
Course	Grade	Prerequisite	
AP Human Geography	9	HS Physical Science Minimum Grade of 80%	
AP Environmental Science		Rising 9th Grade: Gifted English <i>Minimum grade of 80%</i> OR English <i>Minimum grade of 85%</i>	

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Sophomore Elective Options

1st Semester Class	2nd Semester Class
<u>CTE</u>	
Fundamentals of Aerospace A - 46.4600001	Fundamentals of Aerospace B - 46.4600002
Flight Operations I - 47.4880001 *Must Have Fundamentals of Aerospace	Flight Operations I - 47.4880002 *Must Have Fundamentals of Aerospace
Foundations of Engineering IA - 21.4250001	Foundations of Engineering IB - 21.4250002
Engineering Concepts - 21.4710001 *Must Have Foundations of Engineering	Engineering Concepts - 21.4710002 *Must Have Foundations of Engineering
Intro Business & Technology A - 07.4413001	Intro Business & Technology B - 07.4413002
Legal Environment of Business - 06.4150001 *Must Have Intro to Bus & Tech	Legal Environment of Business - 06.4150002 *Must Have Intro to Bus & Tech
Intro to Software Technology A - 11.4460001	Intro to Software Technology B - 11.4460002
Early Childhood Education A - 20.5280001	Early Childhood Education B - 20.5280002
Early Childhood II - 20.4240001 *Must Have Early Childhood I	Early Childhood II - 20.4240002 *Must Have Early Childhood I
Intro Healthcare Science IA - 25.5210001	Intro Healthcare Science IB - 25.5210002
Essentials of Healthcare - 25.4400001 *Must Have Intro Healthcare I	Essentials of Healthcare - 25.4400002 *Must Have Intro Healthcare I
Marketing Principles A - 08.4740001	Marketing Principles B - 08.4740001
Promotional Digital Marketing - 08.4510001 *Must Have Marketing Principles	Promotional Digital Marketing - 08.45100012 *Must Have Marketing Principles
Nutrition & Wellness A - 20.4161001	Nutrition and Wellness B - 20.4161002
Food For Life - 20.4140001 *Must Have Nutrition & Wellness	Food For Life - 20.4140002 *Must Have Nutrition & Wellness
<u>English</u>	
Literary History Old Testament - 23.0240012	Literary History New Testament - 23.0250012

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

1st Semester Class	2nd Semester Class
Mythology A - 23.0210001	Mythology B - 23.0210002
Writers Workshop A - 23.0310001	Writers Workshop B - 23.0310002
Literary Types/Comp A - 23.0640001 *Must Have Writers Workshop	Literary Types/Comp B - 23.0640002 *Must Have Writers Workshop
Yearbook [Application] - YrBk *Application will be available at Vision Night (all levels)	
Journalism News - 23.0320001	Journalism News - 23.0320002
Journalism IIA (Newspaper) - 23.0330001	Journalism IIB (Newspaper) - 23.0330002
<u>Physical Education</u>	
Adv Weight Training - 36.0640011	Adv Weight Training - 36.06640012
Int Team Sports -36.0310011	Int Team Sports -36.0310012
Body Sculpting - 36.0560011	Body Sculpting - 36.0560012
<u>Fine Arts</u>	
Drama IA - 52.0210001	Drama IB - 52.0210002
Adv Drama IA - 50.0510001 *Must have Drama I	Adv Drama IB - 50.0510002 *Must have Drama I
Technical Theater IA - 50.0410001 *Must have Drama, Art, or Engineering	Technical Theater IB - 50.0410002 *Must have Drama, Art, or Engineering
Visual Arts/Comprehensive IA - 50.0211001	Visual Arts/Comprehensive IB - 50.0211002
Visual Arts/Comprehensive IIA - 50.0212001	Visual Arts/Comprehensive IIB - 50.0212002
Ceramics IA - 50.04110001	Ceramics IB - 50.04110002
Ceramics IIA - 50.04120001	Ceramics IIB - 50.04120002
Beginning Guitar - 53.08410011	Beginning Guitar - 53.08410012
Chorus - CHORUSA (tryouts to be placed)	Chorus - CHORUSB (tryouts to be placed)
Band -BANDA (tryouts to be placed)	Band - BANDB (tryouts to be placed)
Adv Drama II-IV - DramaA (tryouts to be placed)	Adv Drama II-IV - DramaB (tryouts to be placed)

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

1st Semester Class	2nd Semester Class
Orchestra - ORCHA(tryouts to be placed)	Orchestra - ORCHB (tryouts to be placed)
<u>World Languages</u>	
Spanish IA - 60.0710001	Spanish IB - 60.0710002
Spanish IIA - 60.0720001	Spanish IIB - 60.0720002
Spanish IIIA - 60.0730001	Spanish IIIB - 60.0730002
French IA - 60.0110001	French IB - 60.0110002
French IIA - 60.0120001	French IIB - 60.0120002
French IIIA - 60.0130001	French IIIB - 60.0130002
German IA - 61.0110001	German IB - 61.0110002
German IIA - 61.0120001	German IIB - 61.0120002
German IIIA - 61.0130001	German IIIB - 61.0130002
<u>AP Electives</u>	
AP Art History A 50.0921001, 50.2921001 *Must have eligibility on Next Year Considerations Tab	AP Art History B 50.0921002, 50.2921002 *Must have eligibility on Next Year Considerations Tab
AP Computer Science Principles A 11.0190001, 11.2190001 *Must have eligibility on Next Year Considerations Tab	AP Computer Science Principles B 11.0190002, 11.2190002 *Must have eligibility on Next Year Considerations Tab
AP Human Geography A - 45.0770001, 45.2770001 *Must have eligibility on Next Year Considerations Tab	AP Human Geography B - 45.0770002, 45.2770002 *Must have eligibility on Next Year Considerations Tab
AP Environmental Science A - 26.0620001, 26.2620001 *Must have eligibility on Next Year Considerations Tab	AP Environmental Science B - 26.0620002, 26.2620002 *Must have eligibility on Next Year Considerations Tab
AP Seminar A 23.0830001, 23.2830001 *Must have eligibility on Next Year Considerations Tab	AP Seminar B 23.0830001, 23.2830001 *Must have eligibility on Next Year Considerations Tab

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Junior & Senior Elective Options

1st Semester Class	2nd Semester Class
CTE	
Fundamentals of Aerospace A - 46.4600001 *11th grade only	Fundamentals of Aerospace B - 46.4600002 *11th grade only
Flight Operations I - 47.4880001 *Must Have Fundamentals of Aerospace	Flight Operations I - 47.4880002 *Must Have Fundamentals of Aerospace
Flight Operations IIA - 47.4890001 *Must Have Fundamentals of Aerospace & Flight Operations I	Flight Operations IIB - 47.4890002 *Must Have Fundamentals of Aerospace & Flight Operations I
Foundations of Engineering IA - 21.4250001 *11th grade only	Foundations of Engineering IB - 21.4250002 *11th grade only
Engineering Concepts - 21.4710001 *Must Have Foundations of Engineering	Engineering Concepts - 21.4710002 *Must Have Foundations of Engineering
Engineering Applications - 21.4720001 *Must Have Foundations of Engineering & Engineering Concepts	Engineering Applications - 21.4720002 *Must Have Foundations of Engineering & Engineering Concepts
Intro Business & Technology A - 07.4413001 *11th grade only	Intro Business & Technology B - 07.4413002 *11th grade only
Legal Environment of Business - 06.4150001 *Must Have Intro to Bus & Tech	Legal Environment of Business - 06.4150002 *Must Have Intro to Bus & Tech
Entrepreneurship A - 06.4161001 *Must Have Intro to Bus & Tech & Legal Environment of Business	Entrepreneurship A - 06.4161002 *Must Have Intro to Bus & Tech & Legal Environment of Business
Early Childhood Education A - 20.5280001 *11th grade only	Early Childhood Education B - 20.5280002 *11th grade only
Early Childhood II - 20.4240001 *Must Have Early Childhood I	Early Childhood II - 20.4240002 *Must Have Early Childhood I
Early Childhood Practicum - 20.4260001 *Must Have Early Childhood Education & II	Early Childhood Practicum - 20.4260002 *Must Have Early Childhood Education & II
Intro Healthcare Science IA - 25.5210001 *11th grade only	Intro Healthcare Science IB - 25.5210002 *11th grade only
Essentials of Healthcare - 25.4400001 *Must Have Intro Healthcare I	Essentials of Healthcare - 25.4400002 *Must Have Intro Healthcare I
Allied Healthcare OR Other COI classes *Application through COI	
Marketing Principles A - 08.4740001 *11th grade only	Marketing Principles B - 08.4740001 *11th grade only
Promotional Digital Marketing - 08.4510001 *Must Have Marketing Principles	Promotional Digital Marketing - 08.45100012 *Must Have Marketing Principles

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

1st Semester Class	2nd Semester Class
Integrated Marketing Communications - 08.4520001 *Must Have Marketing Principles AND Promotional Digital Marketing	Integrated Marketing Communications - 08.4520002 *Must Have Marketing Principles AND Promotional Digital Marketing
Nutrition & Wellness A - 20.4161001 *11th grade only	Nutrition and Wellness B - 20.4161002 *11th grade only
Food For Life - 20.4140001 *Must Have Nutrition & Wellness	Food For Life - 20.4140002 *Must Have Nutrition & Wellness
Food Science A - 20.4181001 *Must Have Nutrition & Wellness AND Food For Life	Food Science B - 20.4181002 *Must Have Nutrition & Wellness AND Food For Life
<u>English</u>	
Writers Workshop A - 23.0310001	Writers Workshop B - 23.0310002
Literary Types/Comp A - 23.0640001 *Must Have Writers Workshop	Literary Types/Comp B - 23.0640002 *Must Have Writers Workshop
Advanced Composition A - 23.0340001 *Must Have Writers Workshop & Lit Types/Comp	Advanced Composition B - 23.0340002 *Must Have Writers Workshop & Lit Types/Comp
Contemporary Lit/Comp A - 23.0660001 *Must Have Writers Workshop, Lit Types/Comp, & Adv Comp	Contemporary Lit/Comp B - 23.0660002 *Must Have Writers Workshop, Lit Types/Comp, & Adv Comp
Yearbook [Application] - YrBk *Application will be available at Vision Night (all levels)	
Journalism News - 23.0320001	Journalism News - 23.0320002
Journalism IIA (Newspaper) - 23.0330001	Journalism IIB (Newspaper) - 23.0330002
Journalism IIIA (Newspaper) - 23.0350001	Journalism IIIB (Newspaper) - 23.0350002
Journalism IVA (Newspaper) - 23.0360001	Journalism IVB (Newspaper) - 23.0360002
Literary History Old Testament - 23.0240012	Literary History New Testament - 23.0250012
Mythology A - 23.0210001	Mythology B - 23.0210002
<u>Physical Education</u>	
Adv Weight Training - 36.0640011	Adv Weight Training - 36.06640012
Int Team Sports -36.0310011	Int Team Sports -36.0310012
Body Sculpting - 36.0560011	Body Sculpting - 36.0560012
<u>Social Studies</u>	
Psychology - 45.0150011	Sociology - 45.0310012
US History in Film - 45.0812011	US History in Film - 45.0812012
Early US Military History - 45.0891012	Modern US Military History - 45.089001

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

1st Semester Class	2nd Semester Class
<u>Fine Arts</u>	
Drama IA - 52.0210001	Drama IB - 52.0210002
Adv Drama IA - 50.0510001 *Must have Drama I	Adv Drama IB - 50.0510002 *Must have Drama I
Technical Theater IA - 50.0410001 *Must have Drama, Art, or Engineering	Technical Theater IB - 50.0410002 *Must have Drama, Art, or Engineering
Technical Theater IIA - 50.0420001 * Must have Drama, Art, or Engineering	Technical Theater IIB - 50.0420002 *Must have Drama, Art, or Engineering
Technical Theater IIIA - 50.0430001 *Must have Drama, Art, or Engineering	Technical Theater IIIB - 50.0430002 *Must have Drama, Art, or Engineering
Visual Arts/Comprehensive IA - 50.0211001	Visual Arts/Comprehensive IB - 50.0211002
Visual Arts/Comprehensive IIA - 50.0212001	Visual Arts/Comprehensive IIB - 50.0212002
Visual Arts/Comprehensive IIIA - 50.0213001	Visual Arts/Comprehensive IIIB - 50.0213002
Visual Arts/Comprehensive IVA - 50.0214001	Visual Arts/Comprehensive IVB - 50.0214002
Ceramics IA - 50.04110001	Ceramics IIB - 50.04110002
Ceramics IIA - 50.04120001	Ceramics IIB - 50.04120002
Ceramics IIIA - 50.04130001	Ceramics IIIB - 50.04130002
Ceramics IVA - 50.04140001	Ceramics IIIB - 50.04140002
Chorus - CHORUSA (tryouts to be placed)	Chorus - CHORUSB (tryouts to be placed)
Band -BANDA (tryouts to be placed)	Band - BANDB (tryouts to be placed)
Orchestra - ORCHA(tryouts to be placed)	Orchestra - ORCHB (tryouts to be placed)
Adv Drama II-IV - DramaA (tryouts to be placed)	Adv Drama II-IV - DramaB (tryouts to be placed)
<u>World Languages</u>	
Spanish IA - 60.0710001	Spanish IB - 60.0710002
Spanish IIA - 60.0720001	Spanish IIB - 60.0720002
Spanish IIIA - 60.0730001	Spanish IIIB - 60.0730002
Spanish IVA - 60.0740001	Spanish IVB - 60.0740002
AP Spanish A - 60.0770001, 60.2770001	AP Spanish B - 60.0770002, 60.2770002
French IA - 60.0110001	French IB - 60.0110002
French IIA - 60.0120001	French IIB - 60.0120002

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

1st Semester Class	2nd Semester Class
French IIIA - 60.0130001	French IIIB - 60.0130002
French IVA - 60.0140001	French IVB - 60.0140002
AP French A - 60.0170001, 60.2170001	AP French B - 60.0170002, 60.2170002
German IA - 61.0110001	German IB - 61.0110002
German IIA - 61.0120001	German IIB - 61.0120002
German IIIA - 61.0130001	German IIIB - 61.0130002
German IVA - 61.0140001	German IVB - 61.0140002
<u>AP Electives</u>	
AP Art History A - 50.0921001, 50.2921001 *Must have eligibility on Next Year Considerations Tab	AP Art History B - 50.0921002, 50.2921002 *Must have eligibility on Next Year Considerations Tab
AP Computer Science Principles A - 11.0190001, 11.2190001 *Must have eligibility on Next Year Considerations Tab	AP Computer Science Principles B - 11.0190002, 11.2190002 *Must have eligibility on Next Year Considerations Tab
AP Computer Science A - 11.0160001, 11.2160001 *Must have eligibility on Next Year Considerations Tab	AP Computer Science B - 11.0160002, 11.2160002 *Must have eligibility on Next Year Considerations Tab
AP European History A - 45.0840001, 45.284001 *Must have eligibility on Next Year Considerations Tab	AP European History B - 45.0840002, 45.284002 *Must have eligibility on Next Year Considerations Tab
AP Human Geography A - 45.0770001, 45.2770001 *Must have eligibility on Next Year Considerations Tab	AP Human Geography B - 45.0770002, 45.2770002 *Must have eligibility on Next Year Considerations Tab
AP Environmental Science A - 26.0620001, 26.2620001 *Must have eligibility on Next Year Considerations Tab	AP Environmental Science B - 26.0620002, 26.2620002 *Must have eligibility on Next Year Considerations Tab
AP Music Theory 53.0230001, 53.2230001 *Must have eligibility on Next Year Considerations Tab	AP Music Theory 53.0230002, 53.2230002 *Must have eligibility on Next Year Considerations Tab
AP Psychology - 45.0160001, 45.2160001 *Must have eligibility on Next Year Considerations Tab	AP Psychology - 45.0160002, 45.2160002 *Must have eligibility on Next Year Considerations Tab
AP Seminar A 23.0830001, 23.2830001 *Must have eligibility on Next Year Considerations Tab	AP Seminar B 23.0830001, 23.2830001 *Must have eligibility on Next Year Considerations Tab
AP Research A 23.0370001, 23.2370001 *Must have eligibility on Next Year Considerations Tab	AP Research B 23.0370002, 23.2370002 *Must have eligibility on Next Year Considerations Tab

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Career & Technical Education

Aviation Pathway

Fundamentals of Aerospace (47.460)

This course is designed as the foundational course for both the Aviation Maintenance and the Flight Operations pathways. Students will gain a fundamental knowledge base in aviation history and regulations, the basic principles of flight, aerospace careers, and factors influencing work systems, aerospace technologies, and basic aviation meteorology. These concepts can later be applied to various aerospace occupations. Classroom and lab activities will assure students a thorough understanding of the aerospace environment. The prerequisite for this course is advisor approval.

Flight Operations I (47.4880)

PREREQUISITE: Fundamentals of Aerospace Navigation and Communication are essential to the safe operation of aircraft within the airspace system. This course provides a foundation that enables the student to apply the basics of aircraft navigation and utilize efficient communication methods for safe aircraft operations.

Flight Operations II (47.4890)

PREREQUISITE: Fundamentals of Aerospace, Flight Operations I Atmospheric dynamics and concepts are addressed to build a meteorological foundation that will enable students to understand environmental variables that create and change the earth's weather. Meteorological techniques will be used in analyzing, charting, and forecasting weather patterns, and students will apply learned skills to the aeronautical needs and procedures of the air transportation industry.

Computer Science Pathway

Introduction to Software Technology (11.4460)

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.

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Students will not only understand the concepts but apply their knowledge to situations and defend their actions, decisions, and/or 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 organizations 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 digital 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. 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 (11.0190/11.2190)

PREREQUISITE: Introduction to Software Technology AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

Advanced Placement Computer Science (11.0160/11.2160)

PREREQUISITE: Introduction to Software Technology, AP Computer Science Principles AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.

Early Childhood Pathway

Early Childhood Education I (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.

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Early Childhood Education II (20.424.0)

PREREQUISITE: Early Childhood Education 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. Mastery of standards through project based learning, laboratory application, technical skills practice, and leadership development activities of the career and technical student organizations will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice when continuing their education and training.

Early Childhood Education III (20.4250)

PREREQUISITE: Early Childhood Education I, Early Childhood Education II Early Childhood Education III is the third course in the Early Childhood Care and Education pathway and one option for program completers who may not have the opportunity of participating in the Early Childhood Education Internship. 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. Mastery of standards through project based learning, laboratory application, technical skills practice, and leadership development activities of the career and technical student organizations will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice when continuing their education and training.

Early Childhood Practicum (20.4260)

PREREQUISITE: Early Childhood Education I, Early Childhood Education II, Early Childhood Education III The practicum offers a candidate in the Early Childhood Education career pathway a field experience under the direct supervision of a certified early childhood educator (mentor). This field experience may be used as partial requirements for the candidate to earn the nationally recognized CDA credential. The practicum stresses observing, analyzing, and classifying activities of the mentor and comparing personal traits with those of successful early childhood educators. The candidate intern will develop a portfolio of their skills, plan and teach a lesson or lessons, understand and practice confidentiality as it pertains to the teaching profession, meet the needs of students with special needs, maintain the safety of the students, practice professionalism, and demonstrate ethical behavior. Mastery of standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organization Future Educators of America (FEA) or Family, Career

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

& Community Leaders of America (FCCLA) will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training.

Engineering Pathway

Foundations of Engineering (21.4250)

This class covers many topics related to the broad field of technology. Classroom instruction, computer lab and hands-on projects are all designed to develop basic technical and problem solving skills needed for today's fast paced technical world. Sample areas covered include: Simple Machines, Energy Sources, Communication Technology, HTML Web Page Coding, Drafting, ACAD, Electrical Circuits, Construction of Bridges and Homes, Manufacturing and Transportation.

Engineering Concepts (21.4710)

PREREQUISITE: Foundations of Engineering and Technology Engineering Concepts is 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 (21.4720)

PREREQUISITE: Engineering Concepts This course counts as the 4th year science credit or as an elective. 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. Students will also work with game development and understanding the elements of game design and what makes a good game, including challenge reward, plot, story and motivation.

Entrepreneurship Pathway

Intro to Business & Technology (07.4413)

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

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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 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. The prerequisite for this course is advisor approval.

Legal Environment of Business (06.4150)

PREREQUISITE: Intro to Business & Technology Legal Environment of Business addresses statutes and regulations affecting businesses, families, and individuals. All students will benefit with 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. 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 expanded in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout this course to demonstrate 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 and content standards of this course. Legal Environment of Business is the second course in the Entrepreneurship and Human Resources Management pathway in the Business Management & Administration Cluster.

Entrepreneurship (06.4161)

PREREQUISITE: Intro to Business & Technology, Legal Environment Business How do you turn an idea into a business? Experience just that in this course! Entrepreneurship focuses

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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. Various forms of technologies will be used to expose students to resources and application of business principles for starting, operating and maintaining a business. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. 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 the employability skills standard for this course. Entrepreneurship is the third course in the pathway in the Business Management & Administration Cluster. After mastery of the standards in this course, students should be prepared to take the end of pathway assessment in this career area.

Healthcare Pathway

Introduction to Healthcare (25.5210)

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. The topics discussed in this class include: 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.

Essentials of Healthcare (25.440)

PREREQUISITE: Introduction of Healthcare 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. Course meets 4th science requirement

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Allied Health & Medicine (25.4370)

PREREQUISITE: Introduction of Healthcare & Essentials of Healthcare Application Required.

Allied Health is a third year Health Science pathway class only taught at the Center of Innovation. This course is designed to offer students the opportunity to become effective and efficient multi-skilled healthcare providers as they develop a working knowledge of various allied health opportunities. The CCMA certification allows students to assist the physician during exams with interviewing and educating patients, measuring and recording vital signs, administering injections. Careers in the Therapeutic Services pathway are focused primarily on changing the health status of the patient over time. Health professionals in this pathway work directly with patients and may provide care, treatment, counseling and health education information. Students in this pathway will have the opportunity to participate in various hands-on clinical rotations. National labor market information indicates that eight out of the top twenty fastest-growing occupations are in the Health Science industry.

CTAE Pathway Concentration Courses

- Introduction to Healthcare Science
- Essentials of Healthcare
- Allied Health and Medicine

Certifications

- CPR - The CPR certification is required for entrance into many health science programs (ex: nursing, athletic training, pre-physical therapy, etc.).
- OSHA - The OSHA certification lets potential employers know applicants have basic safety knowledge.
- Certified Clinical Medical Assistant (CCMA) - The CCMA certification provides students a competitive edge when applying for positions in a doctor's office or hospital.

Course Requirements

- Students must provide their own transportation.
- This course requires two periods.

Emergency Medical Responder

Students are prepared 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.

IMPORTANT INFORMATION

- Third year courses are dual enrolled. See additional DE information at fcboe.org/domain/71.
- Bus transportation to the COI is available.
- Students MUST provide their own transportation to and from clinicals (weekends) .

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

PATHWAY COURSES

1. Introduction to Healthcare Science
2. Essentials of Healthcare
3. Emergency Medical Responder
 - Dual Enrollment Courses with SCTC (Center of Innovation)
 - ALHS 1011 Anatomy and Physiology
 - ALHS 1090 Medical Terminology (may be offered via Essentials of Healthcare at the high school)
 - EMSP 1010 EMR

EXAMPLES OF POST-SECONDARY STUDIES MAY INCLUDE

- Fire Science
- Firefighter EMT

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- HOSA

Emergency Medical Technician

Prepares students to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. EMTs function as part of a comprehensive EMS response under medical oversight and perform interventions with the basic equipment typically found on an ambulance.

IMPORTANT INFORMATION

- Must be a high school senior and reach the 18th birthday before program completion.
- Third year courses are dual enrolled, therefore, student and parent must attend one of the district mandatory dual enrollment meetings - see counselor for dates and page 18-19 for additional DE information.
- Due to the rigor of this pathway, preference will be given to students who have completed the Emergency Medical Responder coursework.
- Bus transportation to the COI is detailed on page 18.
- Students MUST provide their own transportation to and from clinicals (weekends).

PATHWAY COURSES

1. Introduction to Healthcare Science
2. Essentials of Healthcare
3. Emergency Medical Technician
 - Dual Enrollment Courses with SCTC (Center of Innovation)
 - Fall Term
 - EMSP 1110 Introduction to EMT Profession (Advanced Credit for EMR completers)
 - EMSP 1120 EMT Assessment/Airway Management and Pharmacology
 - EMSP 1150 Shock and Trauma for the EMT
 - Spring Term
 - EMSP 1130 Medical Emergencies for the EMT

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

- EMSP 1140 Special Patient Populations
- EMSP 1160 Clinical and Practical Applications for the EMT

EXAMPLES OF POST-SECONDARY STUDIES MAY INCLUDE

- Fire Science
- Firefighter EMT

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- HOSA

Patient Care Fundamentals

The Patient Care pathway is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as, ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support.

IMPORTANT INFORMATION

- Third year courses are dual enrolled. See additional DE information at fcboe.org/domain/71.
- Bus transportation to the COI is available.
- Students MUST provide their own transportation to and from clinicals (weekends) .

PATHWAY COURSES

1. Introduction to Healthcare Science
 2. Essentials of Healthcare
 3. Patient Care Fundamentals
- Dual Enrollment Courses with SCTC (Center of Innovation)
 - ALHS 1040 Introduction to Health Care
 - ALHS 1090 Medical Terminology (may be offered via Essentials of Healthcare at the high school)
 - ALHS 1060 Diet and Nutrition for AHS
 - NAST 1100 Nurse Aide Fundamentals

EXAMPLES OF POST-SECONDARY STUDIES MAY INCLUDE

- Dental Hygiene
- Dentist, Doctor, Surgeon
- Nurse Practitioner
- Orthopedic Technology
- Physical Therapist
- Radiologic Technology
- Registered Nurse

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- HOSA

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Phlebotomy

A phlebotomist draws blood for testing, verifies the patient's identity, and enters patient information into a database. Persons going into phlebotomy must be comfortable with blood, needles, and test tubes. Work location typically is a hospital, lab, or blood bank setting.

IMPORTANT INFORMATION

- Third year courses are dual enrolled. See additional DE information at fcboe.org/domain/71.
- Bus transportation to the COI is detailed on page 21.
- Students **MUST** provide their own transportation to and from clinicals (weekends).

PATHWAY COURSES

1. Introduction to Healthcare Science
 2. Essentials of Healthcare
 3. Diagnostics Phlebotomy
- Dual Enrollment Courses with SCTC (Center of Innovation)
 - ALHS 1040 Introduction to Health Care
 - ALHS 1090 Medical Terminology (may be offered via Essentials of Healthcare at the high school)
 - ALHS 1011 Anatomy and Physiology
 - PHLT 1030 Intro to Venipuncture
 - PHLT 1050 Clinical Practice

EXAMPLES OF POST-SECONDARY STUDIES MAY INCLUDE

- Certified in American Society for Pathology (ASCP)
- National Phlebotomy Association (NPA) Certification
- Phlebotomy Certification
- Technician Certification

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- HOSA

**Courses offered subject to change based on number of requests for the course as well as staffing availability*

Marketing Pathway

Marketing Principles (08.4740)

Marketing Principles is the foundational course for the Marketing and Management, Fashion Merchandising and Buying, and Marketing Communications and Promotion Pathways. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop a basic understanding of Employability, Foundational and Business Administration skills, Economics, Entrepreneurship, Financial Analysis, Human Resources Management, Information Management, Marketing, Operations, Professional Development, Strategic Management, and Global Marketing strategies. Instructional projects with real businesses, work-based learning activities including School-Based Enterprises, and DECA application experiences should be incorporated in this course. Prerequisite for this course is advisor approval.

Promotion & Digital Marketing (08.4510)

PREREQUISITE: Marketing Principles Promotion and Digital Marketing is the second course in the Marketing Communications and Promotions pathway. This course focuses on the performance of key responsibilities for promotion with a focus on digital marketing concepts. Students develop skills in digital marketing, analytics, branding, advertising, public relations, and special promotions. In order to increase the number of application experiences, students should participate in (1) Work-Based Learning (WBL) activities in the classroom and perhaps in a formal WBL Program; (2) DECA Career and Technical Student Organization competitive events that are directly aligned with course standards and (3) a School-Based Enterprise.

Integrated Marketing Communications (08.4520)

PREREQUISITE: Marketing Principles, Promotion & Digital Marketing Integrated Marketing Communications is the third course in the Marketing Communications and Promotion Career Pathway. This course focuses on the communication aspects of the business in relation to customer/consumer relationships. Students develop knowledge and skills in advertising, selling, direct marketing, public relations, sales promotions, and digital marketing communications. Students learn how communications affects budget considerations, marketing information decision-making and all future business opportunities. To increase the number of application experiences, students should participate in (1) Work-Based Learning (WBL) activities in the classroom and perhaps in a formal WBL Program; (2) DECA competitive events that are directly aligned with course standards and (3) a School-Based Enterprise.

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Nutrition & Food Science Pathway

Nutrition & Wellness (20.4161)

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 (20.4140)

PREREQUISITE: 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. Meets requirements for 4th science credit

Food Science (20.4181)

PREREQUISITE: Nutrition & Wellness, Food for Life This course integrates many branches of science and relies on application of the rapid advances in technology to expand and improve our food supply. Students will evaluate the effects of processing, preparation, and storage on the quality, safety, and nutritive value of foods. Students will be exposed to the wonders of real life science involved in common everyday food preparation. Meets requirements for 4th science credit

English

Core Classes

Literature and Composition I (23.061600)

This course focuses on a study of literary genres; 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. While the focus is technical writing in ninth grade literature, the student will also demonstrate competency in a variety of writing genres: narrative, expository, persuasive, and technical. 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 listening, speaking, and viewing skills for a variety of purposes. THIS COURSE MUST REFLECT THE GEORGIA PERFORMANCE STANDARDS.

Literature and Composition I Gifted (23.26160)

This course focuses on a study of literary genres; 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. While the focus is technical writing in ninth grade literature, the student will also demonstrate competency in a variety of writing genres: narrative, expository, persuasive, and technical. 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 listening, speaking, and viewing skills for a variety of purposes. THIS COURSE MUST REFLECT THE GEORGIA PERFORMANCE STANDARDS.

Literature and Composition II (23.06170)

This course focuses on a study of literary genres; the student develops 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 persuasive writing in tenth grade literature, the student will also demonstrate competency in a variety of writing genres: narrative, expository, and technical. 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 listening, speaking, and viewing skills for a variety of purposes. THIS COURSE MUST REFLECT THE GEORGIA PERFORMANCE STANDARDS.

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Literature and Composition II Gifted (23.26170)

This course focuses on a study of literary genres; the student develops 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 persuasive writing in tenth grade literature, the student will also demonstrate competency in a variety of writing genres: narrative, expository, and technical. 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 listening, speaking, and viewing skills for a variety of purposes. THIS COURSE MUST REFLECT THE GEORGIA PERFORMANCE STANDARDS.

American Literature/Composition (23.05100)

This course focuses on the study of American literature, writing modes and genres, and essential conventions for reading, writing, and speaking. The student develops an understanding of chronological context and the relevance of period structures in American literature. The students develop an understanding of the ways the period of literature affects its structure and how the chronology of a work affects its meaning. 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 a variety of writing genres: narrative, persuasive, and technical. The student 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 listening, speaking, and viewing skills for a variety of purposes. THIS COURSE MUST REFLECT THE GEORGIA PERFORMANCE STANDARDS.

Advanced Placement Language/Composition (Am Lit) (23.05300 OR 23.25300)

This course focuses on the study of American literature, embracing its rhetorical nature and recognizing the literature as a platform for argument. It also emphasizes a variety of writing modes and genres and the essential conventions of reading, writing, and speaking. The students will develop an understanding of how historical context in American literature affects its structure, meaning, and rhetorical stance. The course will enable students to become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. The students will encounter a variety of informational, literary, and non-print texts from across the curriculum and read texts in all genres and modes of discourse, as well as visual and graphic images. Instruction in language conventions and essential vocabulary will occur within the context of reading, writing, speaking, and listening. The students will demonstrate an understanding of listening, speaking, and viewing skills for a variety of purposes. This course will focus on the consideration of subject, occasion, audience, purpose, speaker, and tone as the guide for effective writing, as well as the way generic conventions and resources of language contribute

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to writing effectiveness. The students will compose a variety of writing, including expository, analytical, and argumentative writings which support the academic and professional communication required by colleges; and personal and reflective writings which support the development of writing facility in any context. The students will produce responses to timed writing assignments, as well as writing that proceeds through several stages or drafts, which include opportunities for revision guided by feedback from teacher and peers. Students will analyze primary and secondary sources and develop the research skills needed to effectively synthesize these sources for their writing. An AP syllabus must be submitted and approved by the College Board. (This literature module must be taught in the 11th grade and is recommended as a designated substitute for American Literature.)

British Literature/Composition (23.05200)

This course focuses on the study of British literature, writing modes and genres, and essential conventions for reading, writing, and speaking. The students develop an understanding of chronological context and the relevance of period structures in British literature. The students develop an understanding of the ways the period of literature affects its structure and how the chronology of a work affects its meaning. The students encounter a variety of informational and literary texts and read texts in all genres and modes of discourse. Reading across the curriculum develops the students' academic and personal interests in different subjects. While the continued focus is expository writing in British literature, the student will also demonstrate competency in a variety of writing genres: narrative, persuasive, and technical. The students will engage in research, the impact that technology has on writing, timed writing, 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 listening, speaking, and viewing skills for a variety of purposes. THIS COURSE MUST REFLECT THE GEORGIA PERFORMANCE STANDARDS.

Advanced Placement Literature/Composition (23.06500 OR 23.26500)

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 the College Board.

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Electives

Mythology (23.02100)

This course introduces the importance of myths and tales of classical mythology, focusing on a comparative study of plot, characters, themes, and figurative devices. The course emphasizes the following: critical and analytical skills, vocabulary development, a study of the influences of Greek, Roman, and Norse word origins on the English language, and composition. The study of the relationship between people and their societies is a major emphasis, along with the impact of mythology on the literary world. Writing exploration through media literacy and viewing will be a focus in this course.

Literature & History Old Testament (23.0240012)

This course focuses on the Old Testament as a literary and historical document which has greatly influenced the modern world. The course will familiarize students with contents of the Old Testament, the history recorded by the Old Testament, the literary style and structure of the Old Testament, the customs and cultures of the peoples and societies recorded in the Old Testament, and the influence of the Old Testament upon law, history, government, literature, art, music, customs, morals, values, and cultures. Topics may include historical background and events of the period; the history of the Kingdom of Israel; the poetry of the Old Testament; the influence of Old Testament history and literature on subsequent art, music, literature, law, and events, including recent and current events in the Middle East. *Paired with Literature and History New Testament*

Literature & History New Testament (23.02500012)

This course focuses on the New Testament as a literary and historical document which has greatly influenced the modern world. The course will familiarize students with the contents of the New Testament, the history recorded by the New Testament, the literary style and structure of the New Testament, the customs and cultures of the peoples and societies recorded in the New Testament and the influence of the New Testament upon law, history, government, literature, art, music, customs, morals, values, and culture. The topics may include the historical background and events of the period; the life of Jesus of Nazareth; the parables of Jesus; the life and travels of Paul; and the influence of New Testament history and literature on subsequent art, music, literature, law, and events. *Paired with Literature and History Old Testament*

Journalism - News (23.0320001/2)

This course focuses on journalistic writing through analysis of newspapers, yearbooks, literary magazines, and broadcast journalism publications. A concentration on the following components of journalistic writing is critical: influence, purpose, structure, and diction. Reading, writing, and critical thinking are key components as students explore the power and influence of journalism. Students will participate in news gathering, the study of ethics, and the aspects of

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copywriting, editing, and revising and will study the ethics of journalism. If a publication is produced, the students will learn the process of publishing.

Journalism - YrBk (23.0320011/12)

Application Required This course focuses on journalistic writing through analysis of newspapers, yearbooks, literary magazines, and broadcast journalism publications. A concentration on the following components of journalistic writing is critical: influence, purpose, structure, and diction. Reading, writing, and critical thinking are key components as students explore the power and influence of journalism. Students will participate in news gathering, the study of ethics, and the aspects of copywriting, editing, and revising and will study the ethics of journalism. If a publication is produced, the students will learn the process of publishing.

Journalism IIA/B (23.0330001/2)

The course offers an advanced study of journalistic writing. Skills from Journalism I are continued; the students focus on a more intense analysis of print and broadcast publications. Students read extensively to explore and analyze the influence of good journalistic writing. This course requires more critical thinking and more in-depth writing. *Course number for Newspaper.*

Journalism II (23.0330011/12)

The course offers an advanced study of journalistic writing. Skills from Journalism I are continued; the students focus on a more intense analysis of print and broadcast publications. Students read extensively to explore and analyze the influence of good journalistic writing. This course requires more critical thinking and more in-depth writing. *Course number for Yearbook.*

Journalism IIIA/B (23.0350001/2)

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 in 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. *Course number for Newspaper.*

Journalism III Yearbook (23.0350081/82)

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 in 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. *Course number for Yearbook.*

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Journalism IV A/B (23.0360001/2)

This course is designed for students who have mastered skills in Journalism III. The students will publish journalistic articles either in a school newspaper or in the local newspaper. Research and interviews will be required when formulating ideas for writing. The range of opportunities to apply skills will be increased. *Course number for Newspaper.*

Journalism IV Yearbook (23.0360081/82)

This course is designed for students who have mastered skills in Journalism III. The students will publish journalistic articles either in a school newspaper or in the local newspaper. Research and interviews will be required when formulating ideas for writing. The range of opportunities to apply skills will be increased. *Course number for Yearbook.*

Writer's Workshop (23.03100)

This course offers opportunities for students to explore different writing genres: narrative, descriptive, persuasive, and expository modes of discourse. The students will study different writers and their writing styles. The students will have opportunities to improve writing proficiency through a complete study of the components of solid writing: fluency, style, diction, mechanics, grammar, imaginative expressions, and details. The course allows students to utilize the writing process to write independently to improve their writing. *First course in Writing Pathway*

Advanced Composition (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, persuasive, narrative, descriptive, comparison-contrast, exemplification, process analysis, classification, cause and effect, and definition. Advanced grammar skills will be a major component of this class. An emphasis on research is also required. *Third course in Writing Pathway.*

Literary Types/Composition (23.06400)

This course focuses on the major forms of fiction and nonfiction: short story, folktale, poetry, drama, essay, biography, autobiography, memoir, and editorial. A thorough study of the elements of each literary genre is critical (e.g. plot, characterization, purpose, structure, evidence, etc.). Writing is a critical component of this course, emphasizing the following writing genres: narrative, persuasive, expository (informational), and technical. Organizational structures (e.g. cause and effect, definition, and comparison and contrast) are emphasized. Since conventions are essential for reading, writing, and speaking, instruction in language conventions will, therefore, occur within the context of reading, writing, and speaking. The students observe and listen critically and respond appropriately to written and oral communication in a variety of genres and media. *Second course in Writing Pathway.*

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Contemporary Literature/Composition (23.06600)

The course focuses on the short story, nonfiction, drama, poetry, and the novel (novella) since 1960. The students explore writing by international authors, focusing on various cultures, genders, races, and writing styles. Students write expository, 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. Fourth course in Writing Pathway.

Advanced Placement Seminar ELA (23.0380/23.2380)

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas.

Advanced Placement Research ELA (23.0370/23.2370)

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

Fine Arts

Art

Visual Arts/Comp I (50.02110)

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.

Visual Arts/Comp II (50.02120)

Prerequisite: Visual Comp/Arts I Grades: 10-12

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Visual Art Comprehensive II - Enhances level-one skills in art history, art criticism, aesthetic judgment, and studio production. Emphasizes and reinforces knowledge and application of the design elements and their relationship to the principles of design. Explores different two- and three-dimensional art media and processes. Investigates master artworks to increase awareness and to examine the role of art and the artist in past and contemporary societies

Visual Arts/Comp III (50.02130)

Prerequisite: Visual Comp/Arts I Grades: 11-12

Visual Art Comprehensive III - Enhances level-two skills in art history, art criticism, aesthetic judgment, and studio production. Provides practice in applying design elements and principles of design. Provides focus on different two- and three-dimensional art media and processes and master artworks. Stresses idea development through production and creativity and through the study of master artists and developing personal artistic voice.

Visual Arts/Comp IV (50.02140)

Prerequisite: Visual Comp/Arts I Grades: 12

Visual Art Comprehensive IV - Enhances level-three skills in art history, art criticism, aesthetic judgment, and studio production. Provides opportunities for in-depth application of design elements and principles of design in two- and three-dimensional art media and processes. Stresses creative problem solving through art production and the study of master artists and their works and further development of personal artistic voice.

Ceramics I (50.0411)

Introduces the characteristics of clay and design in clay using various techniques of construction and decoration. Emphasizes hand building and introduces other forming techniques, surface decoration and glaze applications. Covers styles of ceramic works from Western and non-Western cultures

Ceramics II (50.0412)

Prerequisite: Grades: 10-12 Ceramics II - Enhances level-one skills and provides opportunities to apply design techniques in clay through hand building and/or throwing on the potter's wheel. Introduces formulation of basic glazes and kiln firing; stresses evaluation of clay forms through art criticism.

Ceramics III (50.0413)

Prerequisite: Ceramics II Grades: 10-12 Ceramics III - Enhances level-two skills and provides opportunities to apply design techniques in clay through hand building and/or wheel throwing techniques while developing personal artistic voice. Presents ceramic/pottery forms as art and craft in historical context. Explores ideas and questions about purposes and functions of ceramic forms, past and present.

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Ceramics IV (50.0414)

Prerequisite: Ceramics III Grades: 11-12 Ceramics IV - Enhances level-three skills and provides opportunities to apply design techniques in clay through hand building and/or wheel throwing techniques while continuing to develop personal artistic voice. Emphasizes more complex form and surface treatments using tools, glazes, resists, and multiple clay bodies.

Band

Beginning Band I (53.03610)

Placed in this course by audition. 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.

Inter Band I (53.03710)

Placed in this course by audition. 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.

Inter Band II (53.03720)

Placed in this course by audition. 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.

Inter Band III (53.03730)

Placed in this course by audition. 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.

Inter Band IV (53.03740)

Placed in this course by audition. Enhances level-three 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

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cultural contributions and influences, creative aspects of music and appreciation of music. Stresses individualized learning and group experiences.

Adv Band (53.03810)

Placed in this course by audition. Provides opportunities for advanced-level performers to increase, 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 at advanced levels of understanding. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and learning strategies and ensemble experiences.

Adv Band II (53.03820)

Placed in this course by audition. 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.

Adv Band III (53.03830)

Placed in this course by audition. Enhances level-two 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.

Adv Band IV (53.03840)

Placed in this course by audition. Enhances level-three 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.

Mastery Band (53.03910)

Placed in this course by audition. Provides opportunities for advanced-level performers to increase, 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 at

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advanced levels of understanding. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and learning strategies and ensemble experiences.

Mastery Band II (53.03920)

Placed in this course by audition. Provides opportunities for advanced-level performers to increase, 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 at advanced levels of understanding. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and learning strategies and ensemble experiences.

Mastery Band III (53.03930)

Placed in this course by audition. Provides opportunities for advanced-level performers to increase, 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 at advanced levels of understanding. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and learning strategies and ensemble experiences.

Mastery Band IV (53.03940)

Placed in this course by audition. Provides opportunities for advanced-level performers to increase, 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 at advanced levels of understanding. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and learning strategies and ensemble experiences.

Adv Instrumental Ensemble I (53.07610)

Placed in this course by audition. Offers advanced-level performers an alternative ensemble experience to large band and orchestra. Emphasizes the performance style and literature of the instrumental chamber group medium. Includes brass, woodwind, percussion, and string ensembles. Covers performance and production, analysis and theoretical studies, creative aspects of music, historical and cultural influences and music appreciation.

Adv Instrumental Ensemble II (53.07620)

Placed in this course by audition. Offers advanced-level performers an alternative ensemble experience to large band and orchestra. Emphasizes the performance style and literature of the instrumental chamber group medium. Includes brass, woodwind, percussion, and string ensembles. Covers performance and production, analysis and theoretical studies, creative aspects of music, historical and cultural influences and music appreciation.

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Adv Instrumental Ensemble III (53.07630)

Placed in this course by audition. Offers advanced-level performers an alternative ensemble experience to large band and orchestra. Emphasizes the performance style and literature of the instrumental chamber group medium. Includes brass, woodwind, percussion, and string ensembles. Covers performance and production, analysis and theoretical studies, creative aspects of music, historical and cultural influences and music appreciation.

Adv Instrumental Ensemble IV (53.07640)

Placed in this course by audition. Offers advanced-level performers an alternative ensemble experience to large band and orchestra. Emphasizes the performance style and literature of the instrumental chamber group medium. Includes brass, woodwind, percussion, and string ensembles. Covers performance and production, analysis and theoretical studies, creative aspects of music, historical and cultural influences and music appreciation.

Chorus

Beg Treble Chorus (54.02410)

Provides opportunities for young women to develop performance skills and knowledge in all-female chorus 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.

Inter Tenor/Bass Chorus (54.02830)

Provides opportunities for intermediate-level male performers to increase performance skills and knowledge in all-male 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.

Adv Treble Chorus (54.02610)

Provides opportunities for advanced-level female performers to increase performance skills and knowledge in all-female 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.

Adv Treble Chorus II (54.02620)

Enhances level-one skills and provides further opportunities for advanced-level female performers to increase performance skills and knowledge in all-female 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

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self-paced progress and group experiences.

Adv Treble Chorus III (54.02630)

Enhances level-two skills and provides further opportunities for advanced-level female performers to increase performance skills and knowledge in all-female 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.

Adv Treble Chorus IV (54.02640)

Enhances level-three skills and provides further opportunities for advanced-level female performers to increase performance skills and knowledge in all-female 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.

Adv Mixed Chorus (54.02310)

Provides advanced-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.

Adv Mixed Chorus II (54.02320)

Enhances level-one skills and provides advanced-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.

Adv Mixed Chorus III (54.02330)

Enhances level-two skills and provides advanced-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.

Adv Mixed Chorus IV (54.02340)

Enhances level-three skills and provides advanced-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,

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creative aspects of music and appreciation of music. Stresses self-paced progress and group experiences.

Mastery Treble Chorus (54.2650)

Provides opportunities for advanced-level female performers to increase performance skills and knowledge in all-female 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.

Mastery Treble Chorus II (54.2660)

Provides opportunities for advanced-level female performers to increase performance skills and knowledge in all-female 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.

Mastery Treble Chorus III (54.2670)

Provides opportunities for advanced-level female performers to increase performance skills and knowledge in all-female 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.

Mastery Treble Chorus IV (54.2680)

Provides opportunities for advanced-level female performers to increase performance skills and knowledge in all-female 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.

Drama

Drama I (52.0210)

Serves as a prerequisite for other theater/drama courses. Develops and applies performance skills through basic vocal, physical and emotional exercises; includes improvisation and scene study and related technical art forms.

Technical Theater I (52.0410)

PREREQUISITE: Drama I, Draw/Paint I (Visual Arts/Comp I), or Foundations of Engineering Introduces technical considerations of play production; covers properties, lighting and settings, program, box office, marketing, management, make-up and costumes.

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Technical Theater II (52.0420)

PREREQUISITE: Technical Theater I Enhances level-one skills and introduces aspects of drafting, creation of lighting, sound, properties, costumes and make-up design. Offers opportunities to apply skills in these areas.

Technical Theater III (52.0430)

PREREQUISITE: Technical Theater 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.

Technical Theater IV (52.0440)

PREREQUISITE: Technical Theater 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. Offers opportunities to apply skills in these areas.

Adv Drama I (52.0510)

PREREQUISITE: Drama I Introduces acting and theater as disciplined art forms; covers methods to observe and understand human behavior and to use those observations to create a character. Includes basic techniques of stage movement and use of physical expression for communication. Enhances vocal techniques and specific patterns for better verbal communication.

Adv Drama II (52.0520)

Placed in this course by audition. Enhances level-one skills; focuses on continued development of observation skills for character creation. Uses historical, textual and improvisational studies.

Adv Drama III (52.05230)

Placed in this course by audition. Enhances level-two skills; focuses on continued development of observation skills for character creation. Uses historical, textual and improvisational studies.

Adv Drama IV (52.05240)

Placed in this course by audition. Enhances level-three skills; focuses on continued development of observation skills for character creation. Uses historical, textual and improvisational studies.

Miscellaneous

Beginning Guitar (53.0841)

Introduces basic guitar techniques. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Provides an individualized setting.

Advanced Placement Music Theory (53.023, 53.223)

AP Music Theory is an introductory college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design.

Advanced Placement History/Art (50.0921/50.2921)

AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.

Orchestra

Adv Orchestra I (53.05810)

Placed in this course by audition. 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.

Adv Orchestra II (53.05820)

Placed in this course by audition. 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.

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Adv Orchestra III (53.05830)

Placed in this course by audition. 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.

Adv Orchestra IV (53.05840)

Placed in this course by audition. 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.

Mathematics

Algebra: Concepts and Connections (27.08110)

The first course in a sequence of three high school courses designed to ensure career and college readiness. 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. 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 Geometric and Spatial Reasoning.

Geometry: Concepts and Connections (27.08210)

The second course in a sequence of three high school courses designed to ensure career and college readiness. This course is intended to enhance 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,

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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 Geometric and Spatial Reasoning.

Gftd/Hnrs Geometry: Concepts and Connections (27.28210/27.082106)

This course 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.

Acc Geom B/Adv Alg A: Conc/Con (27.083108/27.283108)

This course is the second of two courses designed to encompass one-and-a-half course content standards in one academic school year. The content of this course will include the second half of Geometry: Concepts and Connections and the entire Advanced Algebra: Concepts and Connections course. 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. In this course, students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of circles, geometric measurement, and conditional probability. Students will also continue to enhance their algebraic, graphical and statistical reasoning skills as well as spatial reasoning when analyzing and applying a deep understanding of descriptive and inferential statistics, exponential and logarithmic functions, radical functions, modeling polynomial functions, matrices, trigonometry and the unit circles and rational functions. 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

Advanced Algebra: Concepts & Connections (27.08310)

The third course in a sequence of courses designed to ensure career and college readiness. It is intended to prepare students for fourth mathematics course options relevant to their postsecondary pursuits. High school course content standards are listed by big idea, including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning. In Advanced Algebra: Concepts & Connections, students will continue to enhance their data and statistical

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reasoning skills as they learn specific ways to collect, critique, analyze, and interpret data. Students will learn how to use matrices and linear programming to represent data and to solve contextually relevant problems. Students will strengthen their geometric and spatial reasoning skills as they learn how to solve trigonometric equations using the unit circle. In previous courses, students studied how to use linear and quadratic functions to model real-life phenomena. In *Advanced Algebra: Concepts and Connections*, students will further develop their functional and graphical reasoning as they explore and analyze structures and patterns for exponential, logarithmic, radical, polynomial, and rational expressions, equations and functions to further understand the world around them.

Gftd/Hrs *Advanced Algebra: Concepts & Connections* (27.28310/27.083106)

Advanced Algebra: Concepts & Connections is the third course in a sequence of courses designed to ensure career and college readiness. It is intended to prepare students for fourth mathematics course options relevant to their postsecondary pursuits. High school course content standards are listed by big idea, including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning. In *Advanced Algebra: Concepts & Connections*, students will continue to enhance their data and statistical reasoning skills as they learn specific ways to collect, critique, analyze, and interpret data. Students will learn how to use matrices and linear programming to represent data and to solve contextually relevant problems. Students will strengthen their geometric and spatial reasoning skills as they learn how to solve trigonometric equations using the unit circle. In previous courses, students studied how to use linear and quadratic functions to model real-life phenomena. In *Advanced Algebra: Concepts and Connections*, students will further develop their functional and graphical reasoning as they explore and analyze structures and patterns for exponential, logarithmic, radical, polynomial, and rational expressions, equations and functions to further understand the world around them.

Precalculus (27.08410)

A fourth-year mathematics course option for students who have completed *Advanced Algebra: Concepts and Connections* (or the equivalent). The course is intended to provide students with opportunities to develop a deeper understanding of Algebraic concepts that are critical to the study of Calculus. Students will also deepen their understanding of trigonometry and its applications. Throughout the *Precalculus* 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. Topics should be analyzed in multiple ways, including verbal and written, numerical, algebraic, and graphical presentations. Instruction and

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assessment should include the appropriate use of technology. Concepts should be introduced and investigated, where appropriate, in the context of realistic phenomena.

Statistical Reasoning (27.08800)

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 Mathematical Modeling and Statistical Reasoning Frameworks will provide the foundation for instruction and assessment. Topics should be introduced and assessed using simulations and appropriate supporting technology.

College Readiness Mathematics (CRM) (27.08900)

a fourth mathematics course option for students who have completed Advanced Algebra: Concepts and Connections (or the equivalent). The course is designed to serve as a bridge for high school students into postsecondary opportunities. The course has been approved by the University System of Georgia as a fourth mathematics course beyond Advanced Algebra: Concepts and Connections for majors outside of mathematics, science, and engineering. The focus of this course is on key content and practice standards to ensure that students will be ready for postsecondary academic courses and career opportunities. The course will revisit and expand the understanding of content standards introduced in earlier mathematics courses and will emphasize numeracy, algebra and functions, geometry, and statistics in a variety of contexts. Instruction and assessment should include the appropriate use of manipulatives and technology. Mathematics concepts should be represented in multiple ways, such as concrete/pictorial, verbal/written, numeric/data-based, graphical, and symbolic. Concepts should be introduced and used, where appropriate, in the context of realistic experiences. The Standards for Mathematical Practice will provide the foundation for instruction and assessment. The content standards selected are essential for a variety of postsecondary opportunities. Students will be expected to complete a capstone project where they select one of the areas listed in the standard to identify a problem and use mathematical modeling to address it.

AP Statistics (27.0740/27.2740)

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

AP Precalculus (27.0741/27.2741)

AP Precalculus, students explore everyday situations using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore,

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and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world. AP Precalculus prepares students for other higher-level mathematics and science courses. The framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students study each function type through their graphical, numerical, verbal, and analytical representations and their applications in a variety of contexts. Additionally, students apply their understanding of functions by constructing and validating appropriate function models for scenarios, sets of conditions, and data sets, thereby gaining a deeper understanding of the nature and behavior of each function type. Modeling is also a key feature of the course. Students select, construct, and validate function models using transformations of functions and regressions. Students learn to select mathematical models-based characteristics of a bivariate data set; characteristics of covarying quantities and their relative rates of change; or a set of characteristics such as zeros, asymptotes, and extrema. Students also identify, interpret, and apply information from a function model for a given context or data set, subject to assumptions and limitations related to the context. Through the course, students strengthen their procedural and symbolic fluency skills needed for higher-level mathematics. While studying each function type, students solve equations and construct equivalent analytic representations in both contextual and purely mathematical settings.

AP Calculus AB (27.0720/27.2720)

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

AP Calculus BC (27.0730/27.2730)

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

Physical Education

Health (17.0110)

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.

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Int Team Sports (36.0310)

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

Personal Fitness (36.0510)

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

Body Sculpting (36.0560)

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

Adv Weight Training (36.0640)

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

Science

Biology (26.01200)

The Biology curriculum is designed to continue student investigations of the life sciences that began in grades K-8 and provide students 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.

Biology Gifted (26.21200)

PREREQUISITE: PRE-PLACEMENT IN GIFTED PROGRAM This course provides a rigorous in-depth study of biological principles as described under biology. Students will engage in numerous laboratory investigations and complete an individual research project. State end-of-course tests are required.

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Chemistry (40.0510)

This course 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 chemistry. The curriculum includes more abstract concepts such as the structure of atoms, structure and properties of matter, characterization of the properties that describe solutions, 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.

Chemistry Gifted (40.251000)

This course 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 chemistry. The curriculum includes more abstract concepts such as the structure of atoms, structure and properties of matter, characterization of the properties that describe solutions, 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.

Physics (40.0810)

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

Environmental Science (26.06110)

This course 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. Instruction will focus on student data collection and analysis. Major concepts include the flow of energy and cycling of matter, interconnection of all life, stability and change in an ecosystem, conservation and resource allocation, and evaluation of human activities and technology. Chemistry, physics, mathematical, and technological concepts will be integrated throughout the course.

Human Anatomy & Physiology (26.0620)

This course is designed to continue student investigations that began in high school biology. The curriculum is extensively performance and laboratory based. It integrates the study of the structures and functions of the human body, however rather than focusing on distinct anatomical and physiological systems (respiratory, nervous, etc.) instruction should focus on the essential

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requirements for life. Areas of study include organization of the body; protection, support and movement; providing internal coordination and regulation; processing and transporting; and reproduction, growth and development. Chemistry will be integrated throughout anatomy and not necessarily taught as a standalone unit. Careers related to medicine, research, health-care, modern medical technology and case studies concerning diseases, disorders and ailments (i.e. real-life applications) are emphasized throughout the curriculum.

Forensic Science (40.0930)

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.

Advanced Placement Physics I (40.28310, 40.08310)

This course includes topics in both classical and modern physics. Knowledge of algebra and basic trigonometry is required for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems should be one of the major goals of the course. Students taking this course should cover the following five content areas: Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. The course includes a hands-on laboratory component with a minimum of 12 student-conducted laboratory investigations. Each student should complete a lab notebook or portfolio of lab reports.

Advanced Placement Physics II (40.28320, 40.08320)

This course includes topics in both classical and modern physics. Knowledge of algebra and basic trigonometry is required for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems should be one of the major goals of the course. Students taking this course should cover the following five content areas: Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. The course includes a hands-on laboratory component with a minimum of 12 student-conducted laboratory investigations. Each student should complete a lab notebook or portfolio of lab reports.

Advanced Placement Physics C Mechanics (40.28410, 40.08410)

This course should provide instruction in each of the following six content areas: kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Laboratory experiences should be included as part of the instruction. Students taking this course should be able to: design experiments; observe and measure real phenomena; organize, display, and critically analyze data; analyze sources of error and determine uncertainties in measurement; draw inferences

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from observations and data; and communicate results, including suggested ways to improve experiments and proposed questions for further study.

Advanced Placement Environmental Science (26.2620,26.0620)

This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The following themes provide a foundation for the structure of the course: 1) Science is a process, 2) Energy conversions underlie all ecological processes, 3) The Earth itself is one interconnected system, 4) Humans alter natural systems, 5) Environmental problems have a cultural and social context, and 6) Human survival depends on developing practices that will achieve sustainable systems.

Advanced Placement Biology (26.2140, 26.0140)

PREREQUISITE: BIOLOGY This course is designed to be the equivalent of a two semester college introductory biology course usually taken by biology majors during their first year. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The topics covered in the course are molecules and cells, heredity and evolution, and organisms and populations.

Advanced Placement Chemistry (40.2530, 40.0530)

PREREQUISITE: CHEMISTRY This course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. AP chemistry students should study topics related to the structure and states of matter (atomic theory, atomic structure, chemical bonding, nuclear chemistry, gasses laws, kinetic molecular theory, liquids and solids and solutions), chemical reactions (reaction types, stoichiometry, equilibrium, kinetics, and thermodynamics), and descriptive chemistry (chemical reactivity, products of chemical reactions, relationships in the periodic table, and organic chemistry). To develop the requisite intellectual and laboratory skills, AP Chemistry students need adequate classroom and laboratory time.

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Social Studies

Core

World History (45.0830)

This is a full year study that provides students with a comprehensive, intensive study of major events and themes in world history. Students begin with a study of the earliest civilizations worldwide and continue to examine major developments and themes in all regions of the world. The course culminates in a study of change and continuity and globalization at the beginning of the 21st century.

Advanced Placement World History (45.2811, 45.0811)

The AP World History course content is structured around the investigation of five course themes and 19 key concepts in six different chronological periods, from approximately 8000 B.C.E to the present. Conforms to the College Board topics for Advanced Placement World History. Includes study of cultural, political, social and economic history. Stresses research and writing skills.

United States History (45.0810)

This is a full year course designed to provide students the opportunity to investigate the social, economic, and political events in the United States from European colonization to the present times. Emphasis is placed on demonstrating the ways in which events in the nation's past have shaped American culture today.

Advanced Placement United States History (45.2820, 45.0820)

This is a full year, college-level, survey of American history from 1607 to present times. The course includes social and intellectual history, as well as political, economic, and military events. Students who take this course have the opportunity to gain college credit through the AP examinations given in May of each year.

American Government/Civics (45.0570)

This is a one-semester course designed to provide the student with an understanding of national, state, and local government in the United States. The development of the American political system is also emphasized.

Advanced Placement Government (45.2520, 45.0520)

This AP course in the U. S. Government and Politics gives students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U. S. politics and the analysis of specific examples. Students who

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take this course have the opportunity to gain college credit through the AP examinations given in May of each year.

Personal Finance & Economics (45.0610)

This is a one semester course in the foundations of the American economic system. This course offers a survey of basic economic principles and consumer issues.

Advanced Placement Macroeconomics (45.2620, 45.0620)

The purpose of an AP course in Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places emphasis on the study of national income and price determination, and also develops students' familiarity with economic performance measures, economic growth, and international economics. Students in this course have the opportunity to gain college credit through the AP examinations given in May of each year.

Electives

Psychology (45.0150)

This is a one-semester course designed to aid students in developing an understanding of the methods, theories, and research of psychology. Development of human behavior, social behavior, theories of personality, abnormal psychology, and many social problems related to behavior are also studied. Students may not take this course after successfully completing AP Psychology.

Sociology (45.031)

This is a one-semester course designed to help students develop an understanding of the individual in society. This course examines how individuals relate to each other in various groups, subcultures, elements of cultures, and factors that influence and affect individuals and groups.

U.S. History in Film (45.08120)

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

Early Military History (45.08910)

Investigates United States Military History up to 1918. Includes analysis of major battles, strategies, and weapon development. Integrates and reinforces social studies skills, especially map and globe skills.

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Modern Military History (45.0890)

Investigates United States Military History from 1918 to the present. Includes analysis of major battles, strategies, and weapon development. Integrates and reinforces social studies skills, especially map and globe skills.

Advanced Placement Human Geography (45.2770, 45.0770)

The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Conforms to the College Board topics for Advanced Placement Human Geography.

Advanced Placement European History (45.284, 45.0840)

AP European History is an introductory college-level European history course. Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.

Advanced Placement Psychology (45.2160, 45.0160)

This is a full-year, college-level, course that investigates in depth such core concepts as learning, memory, cognitive psychology, intelligence, motivation, emotion, and social psychology. High interest topics such as therapy, codependence, substance abuse, brain plasticity, and Alzheimer's disease are also studied. Students in this course have the opportunity to gain college credit through the AP examinations given in May of each year.

World Languages

French I (60.0110)

This course is an introduction to the language and culture of the Francophone world. Topics include friends, people and places, school and education, sports and leisure activities, food and drink, money and purchases, likes and dislikes, and social situations. Students will be able to communicate in the present and near future tenses.

French II (60.0120)

This course is a continuation of the language and culture of the Francophone world. Topics include those from French I, as well as entertainment, food and shopping, and transportation.

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Students will be able to communicate in the present, past, and near future tenses and to give commands.

French III (60.0130)

This course is a continuation of the language and culture of the Francophone world. Topics include and expand upon those from French I and French II. Students will be able to communicate using a variety of tenses in the indicative mood, the present subjunctive, and the imperative. Communicative skills are emphasized at this level.

French IV (60.0140)

This course is a continuation of the language and culture of the Francophone world. It strives to integrate the four skills: reading, writing, listening and speaking, with emphasis on proficiency. Students should be able to discuss all topics covered in French I, II, and III, as well as their likes and dislikes regarding literature and fine arts. Students will be able to communicate using a variety of tenses in the indicative, the subjunctive, and the imperative moods. Communicative skills are emphasized at this level.

Advanced Placement French (60.2170, 60.0170)

This course is a continuation of the language and culture of the Francophone world. It strives to integrate the four skills: reading, writing, listening and speaking, with emphasis on proficiency. Students should be able to discuss all topics covered in French I, II, and III, as well as their likes and dislikes regarding literature and fine arts. Students will be able to communicate using a variety of tenses in the indicative, the subjunctive, and the imperative moods. Communicative skills are emphasized at this level.

German I (61.0110)

This course is an introduction to the German language and culture. Topics include friends, people and places, school and education, sports and leisure activities, food and drink, money and purchases, likes and dislikes, and social situations. Students will be able to communicate in the present and near future tenses and to give commands.

German II (61.0120)

This course is a continuation of the study of the German language and culture. Topics include those of German I A, as well as family, vacations, clothing, shopping, making phone calls, time and weather. Students will be able to communicate in the present, past, and near future tenses and to give commands.

German III (61.0130)

This course is a continuation of the German language and culture. Topics include and expand upon those from German I and German II. Students will be able to communicate using a variety

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of tenses in the indicative mood, the present subjunctive, and the imperative. Communicative skills are emphasized at this level.

German IV (61.0140)

This course is a continuation of the German language and culture. Students should be able to discuss all topics covered in German I, II, and III, as well as their likes and dislikes regarding literature and fine arts. They should be able to express themselves using a variety of tenses in the indicative, subjunctive, and imperative moods. Communicative skills are emphasized at this level.

Spanish I (60.0710)

This course is an introduction to the language and culture of the Hispanic world. Topics include friends, people and places, school, sports and leisure activities, food and drink, money and purchases, likes and dislikes, and social situations. Students will be able to communicate in the present and near future tenses and to give commands.

Spanish II (60.0720)

This course is a continuation of the language and culture of the Hispanic world. Topics include those from Spanish I, as well as family, vacations, clothing, shopping, making phone calls, time and weather. Students will be able to communicate in the present, past, and near future tenses and to give commands.

Spanish III (60.0730)

This course is a continuation of the language and culture of the Hispanic world. Topics include those from Spanish I and II, as well as art, history, and issues, which face our society today, such as telecommunications, and how the present is affected by the past. Students will be able to communicate a variety of tenses in the indicative, subjunctive and imperative moods. Communicative skills are emphasized at this level.

Spanish IV (60.0740)

This course is a continuation of the language and culture of the Hispanic world. Students should be able to discuss all topics covered in Spanish I, II, and III, as well as their likes and dislikes regarding literature and fine arts. Students will be able to communicate using a variety of tenses in the indicative, the subjunctive, and the imperative moods. Communicative skills are emphasized at this level.

Advanced Placement Spanish (60.2770, 60.0770)

The Advanced Placement Course in Spanish encourages highly motivated foreign language students to continue developing proficiency in the target language. This course will provide the opportunities necessary to develop the four abilities of listening, speaking, reading and writing

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that are stressed in the AP examination that will be taken in the spring. The variety of activities will expose the students to rich insights into the Spanish-speaking world.

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