



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 student's 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 <u>OR</u> Dual Enrollment
Mathematics (4 years of courses required for graduation)	On-level	Algebra: Concepts & Connections	Geometry: Concepts & Connections	Advanced Algebra: Concepts & Connections	AP Precalculus <u>OR</u> AP Statistics <u>OR</u> Precalculus <u>OR</u> Statistical Reasoning
	Advanced	G/H Geometry: Concepts & Connections	G/H Advanced Algebra: Concepts & Connections	AP Precalculus	AP Calculus AB/BC <u>OR</u> AP Statistics <u>OR</u> AP Computer Science A
	Accelerated	Accelerated Geometry B/Advanced Algebra: Concepts & Connections	AP Statistics <u>OR</u> AP Precalculus	AP Precalculus <u>OR</u> AP Calculus AB/BC	AP Calculus AB/BC <u>OR</u> Dual Enrollment
Science (4 years of courses required for graduation)	On-level	Biology	Chemistry	Physics	4 th Year Science Elective <u>OR</u> AP Science Elective <u>OR</u> Dual Enrollment
	Advanced/AP Pathway	Biology	Chemistry	AP Physics 1	AP Science Elective <u>OR</u> Dual Enrollment
Social Studies (3 years of courses required for graduation)	On-level		World History	US History	Personal Finance & Economics and American Government <u>OR</u> Dual Enrollment
	AP Pathway	AP Human Geography	AP World History	AP US History	AP Macroeconomics and AP Government <u>OR</u> 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 <u>Seal of Biliteracy</u>, 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 <u>Career Ready Diploma Seal</u>, 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 <u>Fine Arts Diploma Seal</u>, 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 allotments.

	Pathway	Descriptions	Course 1	Course 2	Course 3	Course 4 or WBL (optional)	Post-Secondary Education Opportunities	Future Career Opportunities
CTE	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/Aeronautics COLLEGES/UNIVERSITIES - Aerospace Engineering; Aviation Management; Professional Flight/Aeronautics	Air Traffic Controllers; Aircraft Cargo Handling Supervisor; Airfield Operations Specialist; Commercial Pilots; Aerospace Engineers; Airfield Operations Specialists; Aviation Safety Specialists; Avionics Inspectors; Flight Attendants; Operations Technicians
	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 area focus requires 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, Apps, Games and Society (3rd course in Programming Pathway)	TECHNICAL COLLEGES - Computer Engineering Technology; Computer System Design Specialist; Network Design Technology Specialist; Network Specialist COLLEGES/UNIVERSITIES - Computer Systems Engineering; Bachelor of Arts Applied Computer Science; Bachelor of Science in Computer Science or Computer Game Design and Development	Computer Programmers; Computer System Analysts; Software developers, Application; Database Administrator 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 <u>planning, evaluating, and creating lesson plans.</u>	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 I and II; Child Development Specialist; Early Childhood Care and Education Associate Degree; Early Childhood Education Program Administration; Infant-Toddler Child Care Specialist COLLEGES/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 activity, project, and problem-based (APPB) 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 - State Registered Apprenticeships; Special Purpose Schools; On-the-Job Training; Military COLLEGES/UNIVERSITIES - 4 -year Engineering (Civil, Mechanical, Electrical, & Industrial); 2 Year - Automated Manufacturing and Engineering Technology	Civil Engineer; Electrical Engineer; Industrial Engineer; Materials Engineer; Mechanical Engineer
	Entrepreneurship	Entrepreneurs, innovators, and small businesses 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 COLLEGES/UNIVERSITIES - Business; Business Administration	Advertising and Promotions Manager; Chief Executive; Personal Financial Advisor; Social and community Service Manager; Training and Development Manager; Appraiser 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 initiated including medical terminology, microbiology, and basic life support.	Introduction to Healthcare Science	Essentials of Healthcare	Allied Health & Medicine OR DE courses: Patient Care Fundamentals, EMR, EMT or Diagnostics Phlebotomy		TECHNICAL COLLEGES - Clinical Lab Technology; Dental Assisting or Hygiene; Medical Assisting; Nurse Aid; Pharmacy Technology; Practical Nursing; Radiologic Technology; Registered Nursing; Surgical Technology; Firefighter COLLEGES/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 promotions and digital marketing communications.	Marketing Principles	Promotion and Digital Marketing	Integrated Marketing Communications		TECHNICAL COLLEGES - Business Administration; Entrepreneurship; Expert Sales Management; Fashion Design and Marketing; Retail and Merchandising COLLEGES/UNIVERSITIES - Accounting; Advertising; Business Economics; Communication; Graphic Arts; Hospitality Administration; International Business; Management; Marketing; Professional Sales; Real Estate; Risk Management and Insurance	Agents and Business Managers of Artists, Performers and Athletes; Human Resources, Training and Labor Relations Specialist; Marketing Research Specialist; Personal 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 Arts; Food and Beverage Management; Food Production Assistant, Worker, or Apprentice; Hotel/Restaurant/Tourism Management COLLEGES/UNIVERSITIES - Dietetics/Dietician; FACS Education; Food, Nutrition and Wellness Studies; Food Science and Technology	Chef and Head Cook; Dietician/Nutritionist; Dietetic 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 passions for performing and expressing themselves through various artistic mediums.	<ul style="list-style-type: none"> BAND: Intermediate, Advanced, Mastery, and Ensemble; Beginning Guitar Considering Band? Select BandA & BandB during registration Teacher determines placement CHORUS: Beginning, Advanced; Intermediate Tenor/Bass; Advanced Mixed Considering Chorus? Select Beginning Treble or Intermediate Tenor/Bass if you've never taken chorus OR ChorusA/ChorusB 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 ORCHESTRA: Advanced Orchestra Considering Orchestra? Select OrchA & OrchB during registration Teacher determines placement 			Bachelor's Degree - Studio Production; Music Business; Music Technology; Recording; Sound/Lighting Design; Costuming/Textiles; Professional Musician, Actor, or Dancer; Education		Sound Designer; Lighting Designer; Music Business; Music/Contract Law; Recording; Set Construction/Designer; Costume Designer; Professional Musician, Actor, or Dancer; Educator
	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		Bachelor's Degree - Art & Design; Multimedia Design; Graphic Design; Education	Art Director; Fashion Designer; Graphic Designer; Professional Artist; Media Designer; Educator

Additional ELECTIVES	ENGLISH		SCIENCE			SOCIAL STUDIES	
	Considering AP Courses? View Next Yr Considerations in IC & add the AP Request to your Aca Plan	Journalism (9-12) - Considering Newspaper? Select Journalism-News during registration (or the next applicable level) Journalism (9-12) - Considering Yearbook? Select YRBK- Yearbook [Application] during registration	Mythology (9-12) AP Seminar (10-12) AP Research (11-12)	AP Env Science (STEM, 9-12)	AP Biology (11-12) AP Chemistry (11-12) Anatomy & Physiology (11-12) Environmental Science (11-12)	Forensic Science (12) AP Physics 2 (12) AP Physics C (12)	AP Human Geography (9-10) AP Art History (10-12) World Geography (9-12)