

Hamilton Southeastern Intermediate/ Junior High Scheduling Information

Incoming 7th Graders

2026-2027

Scheduling for incoming seventh graders is underway. Students will select electives from Fine Arts, Exploratory Options, Engineering & Technology, and Family and Consumer Science (FACS).

Band, choir, and orchestra are full-year options. Instrument rental is required for band or orchestra. Placement recommendations will be made for returning students.

Sixth grade teachers will recommend students for advanced placement in English, Math and Science based on multiple factors.

Elective choices will be submitted on student iPads during the school day. If you have questions or would like to make changes to your students' course request once they've been submitted, please contact the guidance office. Selections are for the entire 2026-2027 school year, and changes will not be made after May 28, 2026.

SEVENTH-GRADE COURSE OFFERINGS

CORE CLASSES (REQUIRED)

ENGLISH 7 (Full Year)

MATH 7 (Full Year)

SCIENCE 7 (Full Year)

SOCIAL STUDIES 7 (Full Year)

WELLNESS (Full Year)

COMPOSITION 7 (1 Semester)

7th GRADE BUSINESS-INFORMATION-TECHNOLOGY (BIT) (Semester)

ELECTIVES: FULL-YEAR OPTIONS

BEGINNING BAND

BAND

CHOIR

ORCHESTRA

ELECTIVES-SEMESTER OPTIONS

ART EXPLORATION

ART STUDIO

ELEMENTS OF ART/ ILLUSTRATION AND PAINTING

PRINCIPLES OF DESIGN/ ILLUSTRATION AND PAINTING

INTRO TO FAMILY AND CONSUMER SCIENCE (FACS)

ADVANCED FAMILY AND CONSUMER SCIENCE (FACS)

FILM/NOVEL

INTRODUCTION TO ENGINEERING AND TECHNOLOGY

JOURNALISM

MUSIC LAB

INTRO TO LEGO ROBOTICS

CO-REQUISITE OFFERINGS

SHOW CHOIR – (Semester 1 must be in music)

MUSICAL THEATRE – (Semester 2 must be in music)

ABC ORCHESTRA – (Semester)

**Some courses are subject to change*

MATH TRACK

Math 6 (6th grade)

Math 7 (7th grade)

Math 8 (8th grade)

Algebra I (freshman)

Geometry (sophomore)

Algebra II (junior)

Advanced Modeling or Probability/Statistics or Pre-Calculus/Trigonometry (senior)

NOTE: it is possible to “double-up” sophomore year and take both Geometry and Algebra II at the same time. Should this occur, Calculus, Statistics or Finite Math would be an option senior year.

ONE-YEAR ADVANCED TRACK

Advanced Math 6 (7th grade curriculum)– taken in 6th grade

Advanced Math 7 (8th grade curriculum) – taken in 7th grade

Honors Algebra I (8th grade)

Honors Geometry (freshman)

Honors Algebra II (sophomore)

Honors Pre-Calculus (junior)

A.P. Calculus or A.P. Stats or Finite Math (senior)

Honors Algebra I (8th grade)

Geometry (honors possible) (freshman)

Algebra II (honors possible) (sophomore)

Pre-Calculus/Trigonometry (honors possible) (junior)

Probability/ Statistics or Calculus (AP possible) (senior)

TWO-YEAR ADVANCED TRACK

Double Advanced 6 (8th grade curriculum)- taken in 6th grade (Pre-Algebra)

Honors Algebra I (7th grade)

Honors Geometry (8th grade)

Honors Algebra II (freshman)

Honors Pre-Calculus (sophomore)

AP Calculus or AP Stats or Finite Math (junior)

Finite Math
(senior)

Multi-Variable Calculus
(senior)

Differential Equations
(senior)

Hamilton Southeastern Intermediate/ Junior High Scheduling Information

Incoming 8th Graders

2026-2027

Scheduling for incoming eighth graders is underway. Students will choose full-year electives, including band, choir, orchestra, and other elective options. Exploratory and co-requisite classes may also be selected.

Seventh grade English, Math and Science teachers will recommend students for eighth grade placement based on multiple factors, including test scores and prerequisite skills. Advanced Math placement may include Math 8 (Pre-Algebra), Honors Algebra I, or Honors Geometry. Students may earn high school credit in select honors courses.

Elective choices will be submitted on student iPads during the school day. If you have questions or would like to make changes to your students' course request once they've been submitted, please contact the guidance office. Selections are for the entire 2026-2027 school year, and changes will not be made after May 28, 2026.

EIGHTH GRADE COURSE OFFERINGS

CORE CLASSES (REQUIRED)

COMPOSITION 8 (1 Semester)

COMPUTING FOUNDATIONS FOR A DIGITAL AGE (Semester w/HS Credit)

ENGLISH 8 (Full Year)

MATH 8 (Full Year)

SCIENCE 8 (Full Year)

SOCIAL STUDIES (Full Year)

WELLNESS (Full Year)

ELECTIVE CHOICE – FULL YEAR OPTIONS

BEGINNING BAND

BAND

CHOIR

ORCHESTRA

WORLD LANGUAGE (French, Spanish)

ELECTIVES CHOICE – SEMESTER OPTIONS

ADAPTIVE ORCHESTRA

ADVANCED PHYSICAL CONDITIONING

ART EXPLORATION

ART STUDIO

ELEMENTS OF ART / ILLUSTRATION AND PAINTING

PRINCIPLES OF DESIGN/ILLUSTRATION AND PAINTING

INTRO TO FAMILY AND CONSUMER SCIENCE

ADVANCED FAMILY AND CONSUMER SCIENCE
 FILM/NOVEL
 FUNCTIONAL FITNESS
 INTRO TO ENGINEERING AND TECHNOLOGY
 ADVANCED ENGINEERING AND TECHNOLOGY
 INTRO TO LEGO ROBOTICS
 ADVANCED LEGO ROBOTICS
 JOURNALISM / PUBLICATIONS
 MUSIC LAB

CO-REQUISITE OFFERINGS- Reference Course Descriptions

SHOW CHOIR - (Semester 1- must be in music)

MUSICAL THEATRE - (Semester 2- must be in music)

ABC ORCHESTRA - (Semester)

**Some courses are subject to change*

***can only be taken in 8th grade if student has not previously completed in 7th grade)*

MATH TRACK

Math 6 (6th grade)

Math 7 (7th grade)

Math 8 (8th grade)

Algebra I (freshman)

Geometry (sophomore)

Algebra II (junior)

Advanced Modeling or Probability/Statistics or Pre-Calculus/Trigonometry (senior)

NOTE: it is possible to “double-up” sophomore year and take both Geometry and Algebra II at the same time. Should this occur, Calculus, Statistics or Finite Math would be an option for senior year.

ONE-YEAR ADVANCED TRACK

Advanced Math 6 (7th grade curriculum)– taken in 6th grade

Advanced Math 7 (8th grade curriculum) – taken in 7th grade

Honors Algebra I (8th grade)

Honors Geometry (freshman)

Honors Algebra II (sophomore)

Honors Pre-Calculus (junior)

A.P. Calculus or A.P. Stats or Finite Math (senior)

Honors Algebra I (8th grade)

Geometry (honors possible) (freshman)

Algebra II (honors possible) (sophomore)

Pre-Calculus/Trigonometry (honors possible) (junior)

Probability/ Statistics or Calculus (AP possible) (senior)

TWO-YEAR ADVANCED TRACK

Double Advanced 6 (8th grade curriculum)- taken in 6th grade (Pre-Algebra)

Honors Algebra I (7th grade)

Honors Geometry (8th grade)

Honors Algebra II (freshman)

Honors Pre-Calculus (sophomore)

AP Calculus or AP Stats or Finite Math (junior)

Finite Math
(senior)

Multi-Variable Calculus
(senior)

Differential Equations
(senior)

7th & 8th GRADE COURSE DESCRIPTIONS 2026-27

ABC (Anything but Classical) Orchestra- Students will explore non-classical genres for orchestra. Pop, rock, fiddle, jazz, mariachi and more will be explored. Opportunities for electric string instruments will also be explored. Students will perform two concerts per semester. **Students MUST be enrolled in a regular full-year Orchestra course to participate in this special one-semester class.** The Panther ABC Orchestra is open to 8th grade students only.

Adaptive Orchestra- Current orchestra students will become Peer Mentors who will be paired with New Musicians (Exceptional Learners from the FAP program) to help teach students how to play a new instrument. Orchestra students will spend half the block teaching our new musicians, with the other half of the class helping create a specialized curriculum by modifying music and instruction to personalize it to the level each individual New Musician. This course builds leadership skills along with creating authentic, lasting relationships between Peer Mentors and New Musicians! Students MUST be enrolled in a regular full-year orchestra course to participate in this special one-semester class, and it is open to both 7th and 8th grade students.

Advanced English 8 – The three major areas studied are literature, writing, and oral communication. Students will delve into the world of poetry, novels, short stories, and classic studies. Students will participate in debates, drama, historical fiction studies, oral presentations, analytical essays, creative writing, reader response, research papers, and long-term projects. The reading level of the material in Advanced English is higher than that of regular English and the curriculum is, in general, more demanding.

Advanced Physical Conditioning –(8th only) This course allows the student to achieve maximum performance in physical activities and athletics. Designed primarily for physically active students, this course emphasizes weight training, flexibility, quickness, speed improvement, and cardiovascular endurance. Specific lifts are taught that allow each athlete to enhance athletic performance. Goal setting and sports specific training will be the focus. Students will need to be self-motivated, and willing to sweat during the school day to take this course. We will utilize the HIJH Fitness Lab as our classroom. PE uniform (t-shirt, athletic shorts, and tennis shoes) must be worn.

Advanced Science 8 – In eighth grade science, students will study chemistry, physics, and meteorology. Students will gain a better understanding of the different concepts involving chemistry and physics through a hands-on approach. Major projects include the egg-drop project, circuit construction project, the Rube Goldberg project, weather phenomenon research, and an element research project. A student in this class should have a strong interest in science, be willing to work daily in preparation for the next day, be a critical thinker in the “science world”, be able to apply concepts and skills being taught, and utilize higher level thinking skills while acquiring knowledge. *Placement is based on grades and teacher recommendations*

Art Exploration – Students will have the opportunity to build foundational skills through a variety of two- and three-dimensional art projects. They will explore drawing, painting, printmaking, clay, sculpture, mixed media, and art history. The Elements and Principles of Art will be introduced and applied through guided practice. Emphasis will be placed on the creative process, innovative thinking, and learning to persist through trial and error as students develop confidence in their artistic abilities. * Courses do not need to be taken in any sequential order *

Art Studio – Students will continue to develop their understanding of two- and three-dimensional art by expanding their skills in drawing, painting, printmaking, clay, sculpture, mixed media, and art history. The Elements and Principles of Art will be further explored as students take on more complex projects. Emphasis will remain on the creative process, critical thinking, and using experimentation to overcome artistic challenges. Students will strengthen their ability to plan, revise, and refine their work. 8 Courses do not need to be taken in any sequential order *

Elements of Art / Illustration and Painting –

Students will have even more opportunities to create diverse two- and three-dimensional art projects while strengthening their emerging artistic voice. They will explore drawing, painting, printmaking, clay, sculpture, mixed media, and art history at a deeper level. The Elements Art will guide the development of more advanced skills and techniques. Emphasis will be on creative problem solving, innovative approaches, and building persistence as students work through increasingly challenging artistic tasks. *Courses do not need to be taken in any sequential order *

Principles of Design / Illustration and Painting -

Students will continue to advance their skills in two- and three-dimensional art through drawing, painting, painting, printmaking, clay, sculpture, mixed media, and art history. Focus will be placed on refining craftsmanship, developing personal style, and applying the Principles of Design with greater sophistication. Emphasis remains on the creative process, independent thinking, and the ability to persevere through complex artistic problems. Students will grow as expressive and intentional artists. *Courses do not need to be taken in any sequential order *

Band – Symphonic Band is for advanced 7th and 8th grade band students who display leadership qualities through practice habits, playing skill, and daily class work ethic. Performances include Fall, Winter, and Spring Concerts as well as band contests and solo and ensemble contests. *The intermediate school and junior high school directors select membership.* This is a year-long course. **Concert Band** is an intermediate level group for 7th and 8th grade students. Performances include Fall, Winter, and Spring Concerts as well as band contests and solo and ensemble contests. *The intermediate and junior high school directors select membership.* This is a year-long course.

Beginning Band is offered to any 7th or 8th graders who want to learn to play an instrument. Students will perform at the Winter and Spring Concerts. Participation in band or orchestra will require the rental of an instrument. Students will be fitted to an instrument within the first few weeks of school. Once an instrument has been selected, it will be the responsibility of the parents and students to obtain an instrument. Information regarding instrument rental will be handed out at the start of the school year. This is a year-long course. Band classes meet daily.

(BIT) 7th Grade Business, Information & Technology - In this course, students will improve their computer applications skills, using the touch-type method while utilizing Office 365 applications such as Word, Excel, PowerPoint, and other online programs. In addition, students will learn basic concepts of Personal Financial Responsibility and Career Exploration. Culminating projects will include activities which integrate these concepts and allow students to apply their newly acquired skills to real-world situations.

Choir - All Choirs will participate in three to four concerts during the school year including Fall, Winter, March Festival and Spring Concerts. HIJH Choirs sing a variety of styles of music throughout the year including some show choir style pieces. *Panther Sound* is an advanced ensemble made up of 7th and 8th grade male and female choir students and *Panther Sensation* is an advanced 7/8 choir made up of female choir students. Students are selected for these advanced ensembles based on leadership qualities in part singing, sight-reading, rehearsal technique and etiquette and performance qualities and practice habits. Singers will sing three- and four-part music. *Panther Singers* is a beginning level women's choir and *Panther Edition* is a beginning level men's choir singing two and three-part music throughout the school year. No prior experience is necessary for these ensembles.

Composition 8 - This class is an extension of Composition 7, not a repeat course. Primary focal points include student centered writing choices based on the following units: business writing (job applications, post-high school education options and pathways and resume writing), argumentative writing (MLA format, citations, and debatable essay topics), and creative writing (dialogue, fictional writing, and plot structure). Students will learn key skills that will prepare them for high school writing processes and beyond while using the Microsoft Office 365 suite.

Computing Foundations for a Digital Age (8th only) – As technology continues to change at an ever-increasing pace, the need for students to gain a foundational understanding of computer science is clear. Computing Foundations for a Digital Age is a one semester course designed to introduce students to five major topics within computer science including computing systems, networks & the internet, data & analysis, algorithms & planning, and impacts of computing. The course introduces foundational computing concepts while exploring current events and building critical thinking, collaboration, problem-solving, and other important skills that are invaluable for life in a global and technologically advancing society. Fulfills state high school graduation requirements starting with the class of 2029. This grade WILL go on a high school transcript and will be reflected in the high school GPA.

English 8 – The three major areas studied in English 8 are literature, writing, and oral communication. Grammar, mechanics, and vocabulary are integrated throughout the course in all areas. Students will delve into the world short stories, novels, nonfictions texts, poetry, and drama. Students will participate in the analysis of various texts, historical studies, oral presentations, essays, creative writing, drama reader response, and long-term projects.

Introduction to Engineering Technology - (open to all 7th grade students and 8th grade students who did NOT take the class during their 7th grade school year)- A semester class that introduces students to the 4 areas that make up technology education: communication, construction, transportation, and manufacture. Students will learn about the Engineering Design Process and how to use the steps to help them solve engineering problems. Each of the areas will have projects and activities to further enhance their understanding of concepts being covered.

Advanced Engineering & Technology (8th graders only!)- A semester class that uses practical, real-world based activities to solve challenges using the Engineering Design Process. Students will actively use the Project Lead the Way Design & Modeling course to research, design, construct, evaluate, modify, and present projects using the decision matrix as a guide. Students will learn to properly use different machines and tools in the lab to assist in the completion of projects. Students who enjoy project-based learning will enjoy this class!

Film/Novel - This class is designed to allow students opportunities to dive into cinematic content through a literary lens. In this class, students will learn how to create short films, understand terminology frequently used in film making, and be able to view films while acknowledging both cinematic and literary elements taking place. While students watch new and exciting films, they will also read materials associated with each movie and complete various types of projects that highlight different elements relating to film and literature.

Intro to Family and Consumer Science – Open to 7th and 8th graders. Topics include Kitchen safety and sanitation, Food Preparation 8-10 recipes, Nutrition. Basic hand sewing skills creating pillows and felt projects. This class uses wheat products, dairy products, and egg products.

Advanced Family and Consumer Science NOTE: students must have completed intro to FACS- Open for 7th and 8th graders. Topics include Kitchen safety and sanitation, Food preparation - 8-10 different recipes from FACS 1, Nutrition. Building Character, Relationships, and Responsible Consumer topics. This class uses wheat products, dairy products, and egg products.

Functional Fitness (8th only)- This course includes a fitness approach that focuses on muscular endurance and strength through functional fitness and low weight-bearing exercises. Students will develop a personal fitness routine, set fitness goals, and learn the importance of including regular exercise and physical activity in their lives. Fitness activities include fitness walking, flexibility training, Yoga, Pilates, muscular strength, and muscular endurance.

Honors Algebra I- This course prepares students for Honors Geometry. It is a high school honors level Algebra 1 course, and placement is determined by multiple factors, including test scores and mastery of prerequisite skills as determined by the teacher. After successful completion of this course, students go directly into Geometry or Honors Geometry, pending teacher recommendation. The curriculum topics are the same as Algebra I but are covered more in depth and at a faster pace. Students WILL receive high school credit for this course.

Honors Geometry- This is a high school Honors Geometry course, and placement is determined by multiple factors, including test scores and mastery of prerequisite skills as determined by the teacher. This course primarily covers plane geometry with some solid geometry topics. There is focus on the geometry concepts of proof and problem solving. After successful completion of this course, students go directly into Algebra II or Honors Algebra II, pending teacher recommendation. The course stresses logical, mathematically sound principles to prove new concepts. Properties and relationships of geometric figures, coordinate geometry, trigonometric ratios, polygons, and spatial drawing are all included. Students WILL receive high school credit for this course.

Journalism/Publications - Telling Our Story. Students will learn how to ask interview questions both in person and via email, take pictures and find a story within, effectively gather, organize, and format stories for three different media productions - the 5-8 yearbook, Panther Broadcasting video announcements and Panther Ink monthly newsletter. Students must demonstrate responsibility, an independent work ethic and the ability to meet real-world deadlines. Students may also be asked to attend before and after school club meetings, sporting events, musical productions, etc.

Math 8- This course prepares students for Algebra I. The curriculum includes the following: graphing functions, unit rates, proportional relationships, the Pythagorean Theorem, percent, geometry, and problem solving.

Music Lab - This class provides the student with opportunities to sample keyboards, drums, and more. Various genres of popular music will also be studied and discussed, in addition to elements of songwriting including melodies, harmonies, beats, and form.

Musical Theatre - This class is open to any 7th & 8th grade student who is enrolled in a full year ensemble (choir, band or orchestra). No audition is required if the student is enrolled in an ensemble. We will rehearse and perform a cabaret from Broadway musicals during our semester together paying special attention to a musical theatre style of singing and movement on stage. This is an introduction to musical theatre class, and no previous stage experience is required. This class will also learn about the behind-the-scenes work of a musical production including set & costume design, crew work.

Orchestra - The HIJH String Orchestras are open to any student with an interest in playing a string instrument. *Students will be placed into the appropriate orchestra at the director's discretion based on musical work ethic and playing ability.* Students will perform in four to six concerts per year outside of the regular school day, which contributes to the overall grade in orchestra. Many additional playing opportunities will be offered throughout the school year. Beginning Orchestra is offered to 7th and 8th graders who wish to play a string instrument. Orchestra is a year-long course.

Intro to Lego Robotics Course Description - This hands-on, project-based course offers students the opportunity to explore the dynamic fields of robotics and automation. Using LEGO Spike Prime, students will learn the fundamentals of mechanical engineering and coding. Working collaboratively in teams, students will address real-world challenges, develop innovative solutions, and enhance their problem-solving abilities. Along the way, they're not only learning how robotics works but also making real-world career connections and practicing valuable employability skills. Whether new to robotics or with prior experience, this course will engage student creativity and provide a deeper understanding of the future of technology. It is designed to be both challenging and rewarding, offering valuable learning experiences along the way.

ADVANCED Lego Robotics Course Description - **NOTE:** *This course is only available to 8th grade students that have already successfully completed the Intro to Lego Robotics course.*

This hands-on, project-based course gives students the opportunity to explore the dynamic fields of robotics and automation in greater depth. Using LEGO SPIKE Prime, students will build on previously learned skills while advancing their coding knowledge. Working collaboratively in teams, students will engage in multi-day projects that tackle increasingly complex challenges, strengthening their abilities in coding, design, and engineering. Many projects will be open-ended, encouraging creativity, thoughtful planning, and perseverance through problem-solving. Enrollment is limited, and successful completion of a previous introductory course may be required for eligibility.

Science 8 - In eighth grade science, students will study chemistry physics and meteorology. Students will gain a better understanding of the different concepts involving these science fields through a hands-on approach. Major projects include the egg-drop project, circuit construction project, the Rube Goldberg project, weather phenomenon research and an element research project.

Social Studies 8 – Eighth grade social studies will focus on United States history from the original inhabitants of North America through the reconstruction of the South after the civil war. As we chronologically work our way through history, we will also look at the foundation of our government and the processes of how it works even to the present day!

Show Choir - This class is open to any 7th & 8th grade student who is enrolled in a full year ensemble (choir, band, or orchestra). No audition is required if the student is enrolled in an ensemble. We will sing popular music possibly including some acapella in a show choir setting. Some dancing will occur although no previous experience is necessary. We will create, rehearse and perform a show choir “set” by the end of the semester.

Wellness –This year-long course will introduce life-long health and fitness education, focusing on the whole person- physically, mentally, emotionally, and socially. Wellness will cover units on self-esteem, building confidence, fitness goals, body systems, substance abuse prevention, human development, and healthy relationships.

World Language (8th only) – Students electing to take World Language will have a choice between French and Spanish. Each of these courses will be taught using high school curriculum as a high school world language course, preparing students to start French or Spanish 2 the following year. Students will interact with the language during class to naturally build fluency starting with reading and listening comprehension, then build some speaking and writing proficiency. Students who continue world language courses throughout high school may earn college credit and the Certificate of Multilingual Proficiency.

****Some courses are subject to change***