

HOCKINSON MIDDLE SCHOOL
8th GRADE PARENT/STUDENT FORECASTING INFORMATION

We are looking forward to the 2016-17 school year! The school day will be composed of Math, Science, History, Language Arts, Fitness/Health (state requires 1 semester), HomeBase, and 1.5 credits comprised of semester or year-long classes.

1st Semester	2nd Semester
Language Arts	Language Arts
Math 8 or Honors Algebra	Math 8 or Honors Algebra
Math teacher approval required for Honors Algebra	
Science	Science
Social Studies	Social Studies
P.E.	Elective 1:
Elective 2:	Elective 3:
Alt 1:	Alt 2:

State law requires that 8th grade students take one semester (.5) of Fitness/Health. **Students who choose to take any combination of Spanish, Leadership, Journalism and Band will be required to fill out a PE waiver form.** *All students who participated in Spanish and Band 2015-2016 will be automatically enrolled in Spanish and Band for 2016-2017. If you do not wish to participate in Spanish and/or Band, please make contact with Mrs. Paulsen (Spanish) or Mrs. Ritenburgh (Band).*

8th grade students will need to choose from the following elective classes to equal 1.5 credits:

Example: ART100 – Drawing/Painting (Semester 1) equals a .5 credit. HHG800 Hon Hum Geography (Year) equals a 1.0 credit.

Semester 1 (.5 credit)		Semester 2 (.5 credit)		Year (1.0 credit)	
ART100	DRAWING/PAINTING	ART300	SCULPTURE	BND801/BND802	BAND 8
ART200	SCULPTURE	ART400	ART EXPLORATION	SPN801/SPN802	SPANISH 8
CTE000	INTRO TO CODING	CTE000	INTRO TO CODING	JOU001/JOU002	JOURNALISM **
STEM10	STEM10	STEM10	STEM10	LEA001/LEA002	LEADERSHIP **
STEM20	STEM20 *	STEM20	STEM20 *	HHG801/802	HON HUM GEOGRAPHY
STEM30	STEM30 *	STEM30	STEM30 *		
STEM40	STEM40 *	STEM40	STEM40 *		

***Prerequisite STEM10 **Application Required**

Band 8: Learn to become even better at playing your favorite instrument. Enjoy your music-loving friends with our expert band teacher, Mrs. Ritenburgh. Perform for an audience, compete in contests, and march in a parade!

Spanish 8: Spanish is an *advanced* course where students will be learning high school level material. Students should be motivated learners. Upon completion of two years of Spanish (7th & 8th grade), students could receive one (1) high school level foreign language credit.

Journalism/Yearbook: This class will help create skills for life: project management, teamwork, and design skills. You will take pictures, plan and organize the yearbook for HMS and create your own layouts using computer software. **An application must be submitted to the office by March 28th to be considered for this class.**

Leadership: Be part of a team that functions as the ASB who take the lead in planning school events, executing school service projects, recognizing achievements and promoting school spirit. **An application must be submitted to the office by March 28th to be considered for this class.**

Honors Human Geography 8: This honors, project based, course prepares 8th grade students to earn college credit by taking the advanced placement exam in May. Credit availability depends on the college a student attends. Students form nations and become leaders who work to solve real world problems. This is the course for every HORNET who wants to learn lots, work diligently, have fun, and make a difference in the world.

Painting/Drawing: A beginning to intermediate level course on basic drawing and painting techniques that may involve materials such as pencil, charcoal, pastel, tempera paint, and acrylic paint.

Sculpture: A 3-Dimensional art experience to enhance the student's understanding of sculpture as an art form. ART200 and ART300 will incorporate different projects. Projects will be created out of multiple materials including clay, wire, papier-mâché, carving foam, plaster, cardboard, and/or wood.

Art Exploration: An exploration of several types of art, largely 2-Dimensional, using a variety of materials and methods such as print-making, watercolor, collage/mixed-media, and some 3-D art (sculpture).

Intro to Coding: Students will learn and apply introductory coding concepts. Puzzles and creative activities are designed to teach students computational thinking and the basics of computer programming. Students solve each puzzle by programming visual code blocks to achieve a goal. This course will focus on 21st century learning skills such as critical thinking, problem solving, making complex decisions, and collaboration.

STEM Classes: Science, Technology, Engineering, and Mathematics (STEM) is designed to integrate technology, inquiry and project-based learning. Students are presented with challenging hands-on projects about real-world problems to promote teamwork, critical thinking, and problem-solving, documentation, and presentation skills.

- **STEM10:** An introduction to engineering design by creating a Space Craft for an Eggonaut. Students will explore the Six Simple Machines of Rube Goldberg and how Newton's 3 Laws of Motion relate. Students will study Bridge design and building to cross over canyons and conclude with racing Dragsters at unheard-of mph.
- **STEM20:** Students start out by designing and building Towers to withstand seismic shock waves. Students will create and calibrate Wind Turbines in order to tow boats. Finally, the class will conclude designing and building Catapults and Rockets.
- **STEM30:** Students take part in outdoor studies with a representative from the Water Resources Education Center at Hockinson Oaks LLC (behind the fire station) by creating a dam. Students will study flight by building an Airplane Glider. The class will conclude with the construction of a Magnetic Levitation car.
- **STEM40:** Through the construction of LEGO Robotics students will learn about circuits, transistors, and conductors in simulation settings. They will learn to program the Lego Robot. Students take part in outdoors studies with a representative from the Water Resources Education Center where they will study about engineering ethics.

Each student will also have a **HomeBase** class. Because we know that nurturing relationships are important to middle school students, through the HomeBase class, students will have an opportunity to have a relationship with an additional adult at school and to have more connections with other students in a small group setting. In HomeBase, your 8th grader will have fun, interactive competitions with other HomeBases including playing Knowledge Bowl and Jeopardy games. They will have the opportunity to learn about issues such as bullying and internet safely.

Please discuss the elective classes that are available with your child so that they are ready to choose their favorite electives and two alternates (in case they don't get their first choice). Mrs. Ambrose will visit 7th grade classes next week to talk with students about the schedule and to forecast on their iPads. We will do our best to honor each student's 1st choice, but please keep in mind that an alternative placement may be necessary.

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