



Course Title: 6th Grade Honors Mathematics
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Planning/Conf. Times: Monday - Friday 9:45-11:20

I. Course Content

This course is designed to provide students the opportunity to learn and be able to do the mathematics designated in the South Carolina College- and Career-Ready (SCCCR) Standards for 6th Grade Honors Mathematics. A parent friendly version of the SCCCR Standards is available at <http://www.scfriendlystandards.org/>. These standards align with the Profile of the South Carolina Graduate (<http://ed.sc.gov/about/profile-of-sc-graduate/>).

Teachers will utilize the Mathematical Process Standards in instructional lessons, activities, and assessments. Students will be encouraged to make sense of real-world and mathematical problems and persevere while solving them. They will be expected to reason contextually and abstractly through problems while using critical thinking skills to justify their reasoning. When working with partners, they will use their thinking skills to critique the mathematical reasoning of others. As they problem solve, students will connect mathematical ideas and real-world situations through the use of modeling and use mathematical tools effectively and strategically. Students will identify patterns and structures to develop mathematical ideas. Throughout the course, students will communicate mathematically and attend to precision in their problem solving.

The Mathematical Process Standards are used to develop the following key concepts in 6th Grade Honors Mathematics:

- Performing operations with positive rational numbers
- Relating fractions, decimals, and percents
- Understanding integers and the coordinate plane
- Performing operations with integers
- Solving proportions using ratios
- Applying proportional reasoning
- Applying the order of operations and laws of exponents
- Applying properties of mathematics
- Writing and simplifying expressions
- Solving equations
- Writing and interpreting inequalities
- Organizing and using statistical data
- Applying algebraic thinking to geometric figures

II. Instructional Methods and Materials

The following resources are used in the 6th Grade Honors Mathematics classroom for instructional purposes:

- HMH Into Math - Advanced 1 textbook
- HCS Consensus Documents
- HCS Sample Assessment Documents
- Creation/Collaboration and Performance Tasks
- Cooperative Learning Engagement Structures
- Digital tools for learning, such as Desmos, GeoGebra, and Gizmos
- i-Ready
- Progress Learning (formerly USA Test Prep)
- Khan Academy
- Various mathematical manipulatives
- Graphing Calculators
- 1:1 Digital Devices

With the above resources, teachers will:

- Utilize small group targeted instruction based on formative assessment data to extend and deepen student knowledge
- Utilize adaptive digital content to support learning and provide remediation and extension
- Provide opportunities for productive mathematical discourse with peers

III. Assessment

Teachers will assess students during each of the units of study using a variety of tools.

- Constructed response questions
- Conferences with peers and/or the teacher
- Quizzes
- Observations
- Written explanations/journal entries
- Homework
- Projects
- Collaborative activities
- Diagnostic tests
- Pre-assessments
- Post-assessments
- Comprehensive exams

Along with these formative and summative assessments, students will assess their work through personal reflections and teacher-student goal conferences.

IV. Grading

Students will be provided grades using South Carolina's Universal Grading Scale:

- A (100 - 90)
- B (89 - 80)
- C (79 - 70)
- D (69 - 60)
- F (Below 60)

Horry County Schools has determined category weighting for each quarter to include:

- High - Tests and Projects - 50%
- Mid - Quizzes - 30%
- Low - Homework/Practice - 20%

Students' final grades are calculated with each quarterly grade having equal weights of 25%.

V. Classroom Requirements/Procedures

A. Student Materials: -pencils -math textbook - laptop

B. Classroom Management Plan:

- Enter the classroom quietly and do warm-up.
- Raise your hand and wait for permission to speak or leave your seat.
- Follow directions the first time they are given.
- Be prepared with necessary materials.
- Respect yourself, others, and this place.
- No eating or chewing gum in the classroom.

C. Consequences For Wrong Choices

- 1st Offense: Warning
- 2nd Offense: Teacher/Student Conference & Parent Contact with Documentation
- 3rd Offense: Lunch Detention & Parent Contact with Documentation
- 4th Offense: Lunch Detention & Parent/Teacher/Administrator Meeting with Documentation
- 5th Offense: Referral to Administration & Parent Contact with Documentation

Severity Clause: If the degree of student disruption is severe, the student will be removed from the room immediately and may be issued a referral.

D. Make-Up Work Policy:

Students are expected to be in school on a regular basis to achieve specific curriculum objectives. Students are required to make up all work missed. When lawful absences occur, the teacher will specify a reasonable period of time for missed work to be completed based on the length of absence and school time missed. However, after reasonable efforts have been made by the teacher without success, a zero or unsatisfactory grade may be given.

- 1 Day Student Absent = 2 Days Allowed to Make Up Work
- 2 Days Student Absent = 3 Days Allowed to Make Up Work
- 3-5 Days Student Absent = 5 Days Permitted to Make Up Work
- More than 5 Days = Student and Teacher Develop a Plan to Make Up Work

Clause:

If the due date of an assignment was given prior to the student's absence and the absence occurs on the due date, the student is expected to submit the assignment upon their return to school.

E. Late Work Policy:

Students are expected to submit work on the due date. For every day late, 10 points will be deducted from the assignment grade. After 5 school days, a zero will be recorded for that assignment.

Gentle Reminder: Cell phones may not be used during the school day. All cell phones need to be powered off upon arrival at school and need to be out of sight throughout the school day. Unless directed by the teacher.