

Math 6

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In Math 6, students make the transition from arithmetic to algebraic thinking. It sets high expectations for all students, making provisions for enrichment and acceleration for advanced students and remediation for students who need more assistance. The curriculum provides a complete correlation to the SC College and Career Ready Standards for Math. The *Holt McDougal: Mathematics Grade 6* textbook and *Explorations in Core Math* workbook are available as resources to support student learning. It will give students a broad range of information covering the five domains of mathematics: Ratios and Proportional Relationships, The Number System, Expressions and Equations, Geometry, and Statistics and Probability. We will also focus on the eight Standards of Mathematical Practice.

MATERIALS: The materials listed below are on the 6th grade supply list
-1 heavy duty spiral notebook for math (with 200 pages minimum)
-TI-30 Calculator (optional)
- Pencils

GRADING: As per district policy:

50% Major Assessments (unit tests, benchmark tests, projects, and ALEKS assignments)
50% Minor Assessment (quizzes, IXL assignments, classwork)

- Two to three unit tests each quarter and several ALEKS grades (weekly grades will be averaged every 3 weeks and count as a project grade).
- Approximately four quizzes each quarter.
- All assignments started in class will have a due date. If they are not completed in class they must be finished outside of class. All class work must have the required work shown.
- **All math assignments (scratch work, class work, quizzes, and tests) must be completed in pencil.**
- All notes must be kept in your spiral notebook.
- Students will need their spiral notebook in class daily.
- Students will keep workbooks and textbooks at home. We will announce to students when they may need to bring in pages from the workbook.
- IXL assignment handouts, returned quizzes and tests should be kept in the math section of your binder. The math section of students' binders will be cleaned out after each unit test.
- Two copies of all passwords will be provided. One should be kept at home and the other will be taped in the front of the spiral.

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CLASSROOM PROCEDURES: On most days, our classes will follow this progression:

1. Warm-up
2. Mini lesson on new standard(s).
3. Practice (IXL assignments).
4. Review the day's standard(s).
5. Remind students of due dates for assignments. (Students should finish IXL assignment if not completed in class).

ABSENTEEISM: If a student is absent, it is the student's responsibility to check the assignment board/web site for missed work. Work should be completed and turned in as outlined in the student handbook. Students should also check the folder for missed notes, and other important announcements.

CLASS EXPECTATIONS: We, as teachers, have very high expectations for all our students. We believe that all students can learn, and we expect all our students to put forth their best effort each and every day. Students should come to class prepared with all materials and assignments on a daily basis. Each student should actively participate in class, and work to the best of their ability.

Below is our tentative schedule for the year. Units may shift based on scheduling and student needs.

1st Quarter:

Number System Fluency

Rate, Ratio and Proportional Reasoning Using Equivalent Fractions (continued in 2nd quarter)

Benchmark Test

2nd Quarter:

Rate, Ratio and Proportional Reasoning Using Equivalent Fractions

Expressions

One-Step Equations and Inequalities (continued in 3rd quarter)

Benchmark Test/Winter MAP

3rd Quarter:

One-Step Equations and Inequalities

Area and Volume

Statistics (continued in 4th quarter)

Spring MAP

4th Quarter:

Statistics

Rational Explorations: Numbers and Their Opposites

Final Exam

A list of the standards by unit is available on each teacher's website.