

# Riverside Middle School

Mrs. Haynes [ahaynes@greenville.k12.sc.us](mailto:ahaynes@greenville.k12.sc.us)

Room G-110 phone 355-7939

Math 8

## COURSE REQUIREMENTS

### CONTENT

The text for this course is Glencoe's [Pre-Algebra: An Integrated Transition to Algebra & Geometry](#), 2001. Math 8 includes pre-algebra concepts and skills that set high expectations for all students. It makes provisions for enrichment and acceleration for advanced students and remediation for students who need more assistance. The course emphasizes algebraic thinking and applies it to other aspects of mathematics including geometry, measurement, probability, and statistics. It not only helps students meet state guidelines but also prepares them for algebra.

Problem solving (word problems), review of basic arithmetic skills, the use of technology (calculators), and math study skills will be integral components in each of those areas.

### Learning and Developmental Goals

By the end of the eighth grade, the students should be able to:

- A. Use positive and negative numbers and rational numbers in real-world situations; solve problems involving absolute value, exponents, and roots; order real numbers; represent real numbers in various forms.
- B. Find exact and approximate square roots; multiply numbers that have exponents; perform addition, subtraction, multiplication, and division on real numbers; use various forms of real numbers to solve problems.
- C. Describe and predict patterns generated by a math rule; use tables of values to graph points, lines, and other objects; determine a math rule for two collections of numbers.
- D. Explore two- and three-dimensional shapes, their parts, and applications; construct a model of an object from its front, side, and top views.
- E. Use various measurement tools to a certain accuracy; solve problems involving volume and surface area; use rules about triangles and the Pythagorean Theorem to solve problems.
- F. Calculate the mean, median, mode, and range to learn about a set of data; use graphs, tables, and charts to make predictions of future events from previous events; use patterns in data to make predictions of future events; be able to recognize misuse of statistical data.
- G. Use a scientific calculator.
- H. Experience success in mathematics.

### TENTATIVE OUTLINE OF THE COURSE

*Because our primary goal is to maximize student achievement, material may be added, deleted, and/or substituted at the teacher's discretion based on the individual needs, levels, and learning styles of each class. Creative projects, written assignments, and supplemental materials may be included also throughout the year as opportunities arise. Please keep in mind that the dates listed are fluid and are subject to change due to school activities, inclement weather, or customizing the pace of the units to the students' needs. This is intended as a guide only.*

#### First Quarter

Chapter	Title	Suggested Time
0	Introduction	3 Days
1	Exploring Integers	17 days
2	Rational Numbers	16 days

#### Second Quarter

3	Real Numbers and the Pythagorean Theorem	16 days
4	Proportions and Similarity	17 days
	Review/Benchmark Test	3 days

	Mid-Term Exam	2 days
<b>Third Quarter</b>		
5	Percent	7 Days
6	Geometry and Spatial Reasoning	1 days
7	Measurement: Area and Volume	17 days
8	Algebra: More Equations and Inequalities	16days
<b>Fourth Quarter</b>		
9	Algebra: Linear Functions	15 days
11/12	Statistics /Probability / Odds	11 days
PASS	Review for PASS testing	
<b>Enrichment</b>		
10	Algebra: Non-Linear Functions	

The South Carolina State Curriculum Standards for Eighth Grade Mathematics are accessible at the following web address:

<http://ed.sc.gov/agency/offices/cso/standards/math/documents/2007MathematicsStandards.doc>

#### ASSESSMENT

Mastery of the objectives presented will be assessed through homework, responses to essential questions, quizzes, chapter tests, a Fall Semester Exam, and a Spring Semester Exam. A practice mini-PACT test will be given prior to the administration of the PACT.

#### GRADING

Tests make up 50% of the nine-week grade, quizzes make up 40%, while homework and daily classwork are 10%. Extra credit will only be presented as bonus opportunities on tests. Do not expect that every test will have bonus opportunities. The first semester grade will be determined as follows: 45% First Nine Weeks, 45% Second Nine Weeks, 10% Fall Semester Exam. The second semester grade will be determined as follows: 45% Third Nine Weeks, 45% Fourth Nine Weeks, 10% Spring Semester Exam. The final grade will be determined as follows: 50% First Semester, 50% Second Semester. Grading will be done in a manner so that it is interpreted as a measure of learning and will not include controllable nonacademic factors as extra points for signatures, loss of points for writing in ink, etc. My purpose for grading is to communicate how much learning and success has been accomplished.

#### GRADING SCALE

Whole Numbers only

$$93 \leq A \leq 100$$

$$85 \leq B \leq 92$$

$$77 \leq C \leq 84$$

$$70 \leq D \leq 76$$

$$0 \leq F \leq 69$$

#### MATERIALS

Each student needs a 3-ring binder, loose-leaf notebook paper, a pad of quadrille graph paper, pencils (with lead for mechanical pencils), and colored pencils (for checking his/her work in class). Colored pens or colored markers would work also. Students enrolled in Math 8 do not need to have a graphing calculator. However scientific calculators are suggested when allowed by the teacher. Students are required to keep all class notes, assignments, quizzes, daily starters, test reviews, and any other papers given to them or returned to them (graded papers) in their math notebook for the entire school year.

#### SC's ATTENDANCE POLICY

Any student may be denied credit for this course if she/he has been absent for more than ten (10) days.

#### RMS's TARDY POLICY

Students have three (3) minutes between classes. Consequences for tardiness follow:

First tardy – no penalty, warning

Second tardy – no penalty, contact parent by phone

Third tardy – referral to office, detention, contact parent by phone

Fourth tardy – detention

Fifth tardy –parental conference and other action as necessary to correct tardy problem

## **MAKE-UP WORK POLICY**

When students return to school from an absence, it is her/his responsibility to gather all worked missed. Once the admit-to-class slip is signed, the make-up assignment will be written on the back. If no admit slip is presented for teacher signature, the student must come back after 3:30 pm to receive make-up assignments. Generally, tests and quizzes that need to be made up will not be done during class time. Please arrange to make-up quizzes or tests during advisory or after 3:30 pm. All make-up work must be completed within five (5) days of the return to school from an absence.

## **LATE WORK**

It is the general policy not to accept unexcused late work. This includes forgetting it at home or in the locker. Each student is expected to have what is needed for class each day, including the assignment due that day.

## **CLASSROOM EXPECTATIONS**

Students are expected to do their best and behave respectfully. All materials need to be brought to class. Students need to be on time. I also expect my students to complete all assignments neatly and to have a positive attitude in class. **I expect all students to collaborate and cooperate with me and each other** with a minimum amount of disruption to maximize the learning experiences for all.

## **CONSEQUENCES**

Students violating classroom expectations will receive the following consequences: Telephone conference with parents, face-to-face conference with parents, after school detention, and disciplinary referral (sometimes resulting in in-school suspension, out-of-school suspension, or BOOT CAMP). Please know that any severe misbehavior may result in immediate removal from class and an office referral. I believe that when a student chooses his behavior, he/she has also chosen his/her consequences.

## **Procedures for Non-instructional Routines:**

1. Upon arrival to class, students are to begin work on the day's starter problems until the teacher is ready to begin. The students keep the starter problems in their notebooks each day.
2. Homework will be checked periodically for completion only, either during their warm-up time or through collection. Homework is to be completed to the best ability of the student. The only marks recorded for homework are 100's, 50's, and zeroes.
3. Students will keep all homework, class-work, notes, handouts, syllabus, and starter problems in their notebooks.
4. Tests will be on file in the classroom and not be returned to the student for keeps.
5. All work turned into the teacher for grading will have the first and last name of the student, the date, period, and assignment. It is to be written in pencil only unless otherwise informed. Assignments written in ink must be re-written in pencil by the student.
6. At the end of class, student will be dismissed with the permission of the teacher, not solely by the sound of the bell.
7. Students will need a note from an administrator or another teacher to be excused for tardiness.
8. Pencils may be sharpened at any time. However I hope that good judgement is used to decide when to leave your seat to sharpen your pencil.
9. Bathroom breaks will not be permitted during class unless there is an emergency.
10. Behavioral expectancies in the computer lab and media center are synonymous to those defined for the classroom.
11. Fire drills take place without advance notice. *Fire Exit* diagrams are posted in every classroom. During a fire (or drill), students are to line up at the door in an orderly fashion. Students and their teacher will then exit the classroom in an orderly fashion. Students will become familiar with these procedures through the practice of fire drills.
12. Tornado drills are practiced once each year. Students will follow the state guidelines during this drill. Teachers will advise students on proper procedure.

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### **Mrs. Haynes' Contact Information**

Email address is [ahaynes@greenville.k12.sc.us](mailto:ahaynes@greenville.k12.sc.us).

Voice mail is **355-7939**.

Website: <http://teachers.greenville.k12.sc.us/sites/ahaynes/default.aspx>

Receive extra assistance by appointment only after school at **3:30pm each day**.