



Blue Ridge Middle School

We are BR!

Course Name: Math 6/7

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Weekly Team plan link: https://drive.google.com/drive/folders/1U1pneaYxMUmW0KGIC1m0Emi1C8p9J4Sw?usp=drive_link

[SCCCR Mathematics Standards](#)

Course Description: In Math 6/7, SCCR Mathematics Standards from grades 6 and 7 focus on five critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing an understanding of statistical thinking. (5) developing an understanding of operations with rational numbers and working with expressions and linear equations;

Textbook Title:

South Carolina Middle School Math Solution Accelerated Grade 6 - Carnegie Learning

· MATHia student software

Learning Objectives:

In Math 6/7, 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.

Carnegie Learning's instructional approach is based on 3 simple key components: Engage, Develop, and Demonstrate. Students will work not only to develop math skills, but to learn how to collaborate, create, communicate, and problem solve. Each lesson provides opportunities for students to think, reason, and communicate their mathematical understanding.

Classroom Late Work and Redo/Retake Policies

Late Work

Greenville County Schools is committed to Building a Better Graduate by creating college and career ready students. As such, students must develop character traits that align with workplace expectations. Some examples of these include responsibility, strong work ethic, and self-direction. Students are expected to give their best effort when completing assignments and should strive to complete them by the due date. Students are expected to turn in ALL assignments and should never have a Not Handed In (NHI) recorded in the grade book. Extra opportunities are available for students to make up work through ROAR, tutoring times, and at other times designated by the teacher.

Teachers will accept late work with no penalty to the student up to 5 days after the original due date or the end of the grading period, whichever comes first. A teacher may extend the late work acceptance deadline but may not reduce the time. The work, although submitted late, will not receive a point reduction. Work can be accepted late across grading periods by special exception and approval of the teacher and/or administrator.

[BRMS Student Handbook](#)

Retake/Redo/Revise Expectations

Since the goal is for students to master content and skills, students will be allowed to retake/redo major tests only; however, students must commit to doing their part in preparing for the re-test. **Students must initiate the request** to retake/redo a test within 5 days of receiving the grade on the test. Students are allowed to retake/redo a major test one time. The student must complete a **BRMS Request to Retest form**, which can be found in the teacher's Google classroom, and submit the form to the teacher. The form must be signed by the parent and student prior to being submitted. Following a re-test, the higher grade will be recorded in the grade book.

[Retest Form](#)

Make-up Work Policies: It is the responsibility of each student to inquire about make-up work upon returning from an absence. Students must also check google classroom for classwork and homework information for any days missed.

***Student Backpack* is an essential tool for accessing grades.



Classroom Guidelines and Expectations

BLUE RIDGE MIDDLE SCHOOL



"We are BR where positive attitudes and understanding hearts make a great school community."

Classroom Behaviors



Respect

- Follow directions
- Stay on task
- Participate



Organization

- Bring all materials
- Complete all assignments



Attitude

- Use kind words
- Be helpful
- Give your best effort



Responsibility

- Make smart choices
- Listen actively
- Be honest

School Expectations

We are BR...hear us...



Respect
Organization
Attitude
Responsibility

Classroom Rules and Expectations:

1. Be **R**espectful: Follow directions, Stay on task and focused and Participate
2. Be **O**rganized: Bring all materials and complete all assignments
3. Have a Positive **A**ttitude: Use kind words, Be helpful, and give your best effort
4. Be **R**esponsible: Make smart choices, Listen actively, and Be honest

Materials Needed: BRMS 24-25 Supply List	Grades	Homework	Grading Scale	Planned Products								
	At least 3 Major grades and at least 8 minor grades.	<i>Briefly describe what parents can expect in terms of homework.</i>	<table border="0"> <tr><td>90-100</td><td>A</td></tr> <tr><td>80-89</td><td>B</td></tr> <tr><td>70-79</td><td>C</td></tr> <tr><td>60-69</td><td>D</td></tr> </table>	90-100	A	80-89	B	70-79	C	60-69	D	
90-100	A											
80-89	B											
70-79	C											
60-69	D											

Tentative Course Outline

1st Quarter

Module 1: Composing and Decomposing

- Students build on what they already know about area, number properties, and volume. They will learn to approach a problem by decomposing (taking apart) or composing (putting together) objects and numbers. They will examine the relationships between numbers and shapes, using area models to solve problems. Students will strengthen their skills with fraction operations and use decimal operations to solve volume and surface area problems.

Module 2: Relating Quantities

- Students build on their experiences solving addition and multiplication word problems and representing real-world situations on a coordinate plane. They will

2nd Quarter

Module 3: Moving Beyond Positive Quantities

- Students extend their understanding of numbers and the number line to include negative numbers. They will use a number line to represent, make sense of, and order negative numbers. Students will build on their knowledge of the coordinate plane to construct a four-quadrant graph. Throughout the module, students will analyze and solve a variety of real-world problems.

Module 4: Operating with Signed Numbers

- Students build on their experiences with signed numbers and absolute value. They will use physical motion, number line models, and two-color counters to develop an understanding of the rules for operating with positive and negative numbers.

consider different ways quantities can be related to each other. They will learn about ratios and proportional relationships and reason about these relationships using various models, such as double number lines, ratio tables, and graphs. Students will learn about percents, unit rates, and conversion rates.

Students will then solve real-world and mathematical problems involving positive and negative rational numbers.

3rd Quarter

Module 5: Determining Unknown Quantities

- Students build on their knowledge of numeric expressions, patterns, and operations, which they developed throughout elementary school. Students will use properties of arithmetic and apply them to algebraic expressions. They will investigate equations and graphs and develop strategies to make sense of and reason about unknown quantities in real-world and mathematical problems.

Module 6: Reasoning Algebraically

- Students build on their experiences with algebraic expressions and one-step equations from earlier in the course. The expressions, equations, and inequalities they encounter will involve a wide range of rational numbers and require two steps rather than one. Students will write equations and inequalities for problem situations, interpret the meanings of quantities in the problems, create tables of values, graph problem situations, and make connections across the representations.

4th Quarter

Module 7: Describing Variability of Quantities

- Students build on the data displays that they have used in elementary school, namely line plots, bar graphs, and circle graphs. They will be introduced to the field of statistics, the study of data, and the statistical problem-solving process. Students will calculate numerical summaries to describe a data set. They will also learn what separates mathematical and statistical reasoning—the presence of variability.

Module 8: Analyzing Populations and Probabilities

- Students will learn the basics of probability and use the theoretical and experimental probability of simple and compound events to make predictions. They will use models and simulations to determine probabilities. Students will build on their experiences with measures of center, the five number summary, plots of numerical data, and proportional reasoning to draw comparative inferences between two populations.