

2026-2027
Riverside Middle School
Enhanced Algebra Syllabus
Mrs. Alice Dorn
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COURSE DESCRIPTION

Enhanced Algebra: Concepts and Connections is a course that blends Grade 8 content standards with Algebra: Concepts and Connections standards. This course awards high school credit for middle school students. In this course, students will create, interpret, solve, and graph linear equations and inequalities in one variable and nonlinear (quadratic and exponential) equations and functions. Students will interpret quadratic and exponential expressions. Students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of systems of linear inequalities and sums and products of rational and irrational numbers. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving distance, midpoint, slope, area, perimeter, and statistical reasoning. (from GaDOE)

COURSE OUTLINE

• Modeling Linear Relationships and Functions	• Modeling and Analyzing Exponential Expressions, Equations, and Functions
• Analyzing Systems of Linear Equations and Inequalities	• Investigating Data and Statistical Reasoning
• Investigating Rational and Irrational Numbers • Modeling and Analyzing Quadratic Functions	• Algebraic Connections to Geometric Concepts • Culminating Capstone Unit

TEXTBOOK/NOTEBOOK

Students will use a two-volume consumable textbook on a daily basis. It is imperative that students bring their textbook and notebook to class each day.

SUPPLIES

✓ Pencils and erasers	✓ Graph Paper	✓ Colored Pencils
✓ Expo Markers	✓ 1" 3-Ring Binder	✓ TI-84CE Graphing Calculator (Optional)
✓ Lined paper	✓ 1 pack of sheet protectors	

GRADING and TESTING

Students are graded on a Semester System. 80% of their grade comes from:

Assessments (Major Tests) - 55%

Classroom Assignments (Daily Grades, Quizzes, Formatives) - 40%

Benchmark (1st and 3rd Quarters) 5%

The remaining 20% will be from the Semester Exam (1st Semester - CCBOE Exemption policy applies) and End of Course Test (2nd Semester - not eligible for exemption).

The high school EOC (End of Course Exam) will be given on May 12 during Georgia Milestones testing to measure students' ability to demonstrate mastery of Enhanced Algebra standards. This **very important assessment** will account for part **20% student's semester grade**. Students may not exempt the EOC. In May, students will also take the 8th grade EOG (End of Grade) test during Georgia Milestones on May 2, 2027.

HIGH SCHOOL CREDIT

This is a combination of 8th grade and high school Algebra course. Students wishing to earn a good grade must be prepared to complete homework each day, which will include ALEKs (on-line practice), written practice, and studying. At the end of the course students will be given the opportunity to accept or deny the high school credit for Math 343/344. Students choosing to accept the credit will receive the grade earned (fulfilling both their 8th & 9th grade math requirement), which will be among their first grades calculated for their high school grade point average (GPA). Students declining the

credit will receive the grade only as their 8th grade math requirement (not included in their high school GPA). Declining the credit will result in the student retaking Algebra in the 9th grade.

CLASS RULES

Each student is expected to have these Successful Behaviors:

- Arrive on time and prepared for class
- Complete all work that is assigned in class and out of class (homework)
- Focus on work, do not disrupt the learning of yourself or others
- Respect all classmates, adults, and materials present in and outside the classroom
- Use school technology appropriately
- Follow all directions from the teacher or substitute teacher on the first request
- Request help when needed; ask questions**
- All rules of the Handbook apply with their consequences

COMMUNICATION

One of my most important goals is to keep the lines of communication open with parents and students. There are several IMPORTANT modes of communication that I will use throughout the school year:

****EMAIL**

If there are any questions or concerns, please do not hesitate to contact me at alice.dorn@ccboe.net *Email is the most efficient method of communication for reaching me.* Please check Parent Portal and make sure all email addresses and other contact information is up to date.

****MY WEBSITE**

My website can be accessed from the RMS website. Please bookmark the website. My weekly plans and homework are located on the website. As a general rule, students will have homework every night. It is imperative that they complete it on time, so we may quickly identify areas of confusion. Morning tutoring will be available every week. The dates will be posted on the class's assignment calendar posted in the Google Classroom and on my website.

****PARENT SQUARE**

Parent Square is another frequently used resource. An 8th grade newsletter will come approximately once per week with reminders for all classes. Please check this frequently. Registration is automatic. If you are not getting Parent Square notifications for 8th grade, please email me.

****PARENT PORTAL**

Parent Portal is the county's online gradebook system. It's also used as a means of communication for student progress. This is where I update student grades, and where student progress can be monitored; please check it *frequently*. I use the comments section for communication about due dates and assignment completion. The login can be found at www.ccboe.net

REASSESSMENT

Per county policy, students will be able to reassess to a maximum of a 90 on summative assessments (tests). This reassessment must be done in a timely manner, as math concepts build. Reassessments will occur during class time.

ONLINE COMPONENT

ALEKS and iReady will be used as online components for this course. A weekly time/lesson requirement will be assigned. History shows these tools are essential to skills mastery. Please ensure that you/your student is completing online lessons weekly.

****Please complete the white page attached and return to school by August 14. ****

After reviewing the syllabus, **please complete and turn in** the following information (on the attached sheet). Please return by August 14th. Thank you!

Student Name (print) _____ Class Period: _____

STUDENT SIGNATURE: _____ **DATE:** _____

Parent Name (Print) _____

PARENT SIGNATURE: _____ **DATE:** _____

Daytime Parent Phone Number: _____ Name: _____

Parent's Email Address: _____ (please print)

********* Using an email that you check frequently, please send me an email **with your child's name and class period on the subject line.** This will allow me to have the correct email address and sort emails by class periods. **My email address is alice.dorn@ccboe.net I will respond to your email when I receive it to ensure that we have a direct line of communication. THANK YOU! *******

STUDENT SIGNATURE: _____ **DATE:** _____

PARENT SIGNATURE: _____ **DATE:** _____