



# Richmond County Technical Career Magnet School

## 8<sup>th</sup> Grade Math Course Syllabus 2024-2025

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**Instructional Philosophy: Welcome!** You have been selected to participate in a collaborative classroom—a classroom where knowledge is SHARED. I believe that learning takes place more effectively when students work together, use dialogue, and discuss different strategies or perspectives to become knowledgeable independent learners.

### Course Descriptions:

Eighth grade (8th grade) mathematics course content regularly incorporate the 8 Mathematical Practices, the Framework for Statistical Reasoning, and the Mathematical Modeling Framework through four big ideas of content: (1) numerical reasoning, (2) functional & graphical reasoning, (3) patterning and algebraic reasoning, and (4) geometric and spatial reasoning. Much of the Grade 8 mathematics curriculum focuses on functions and linear relationships as building blocks to algebra and geometry. In this course, students will create, interpret, solve, and graph linear equations and inequalities in one variable, analyze the connections between proportional and non-proportional lines and equations, extend their knowledge of numerical reasoning and real numbers to include irrational numbers, develop an understanding of the properties of exponents, perform operations with numbers expressed in scientific notation, apply their geometric and spatial reasoning to interpret and solve problems involving the Pythagorean Theorem.

| Georgia's K-12 Mathematics Standards - Grade 8  |   |  |  |   |   |   |
|---|---|--|--|---|---|---|
| Semester 1  |   |  | Semester 2   |   |   |   |
| Unit 1  | Unit 2  | Unit 3   | Unit 4   | Unit 5  | Unit 6  | Unit 7                                    |
| <a href="#">Investigating Linear Expressions, Equations, and Inequalities in One Variable</a> | <a href="#">Modeling Linear Relationships &amp; Functions</a> | <a href="#">Investigating Data &amp; Statistical Reasoning</a> | <a href="#">Real-Life Phenomena Explored Through Systems of Linear Equations</a> | <a href="#">Exploring Irrational Numbers, Integer Exponents and Scientific Notation</a> | <a href="#">Exploring Geometric Relationships</a> | <a href="#">Culminating Capstone Unit</a> |
| <a href="#">Interdisciplinary Connections</a>   | <a href="#">Interdisciplinary Connections</a>                 | <a href="#">Interdisciplinary Connections</a>                  | <a href="#">Interdisciplinary Connections</a>                                    | <a href="#">Interdisciplinary Connections</a>   | <a href="#">Interdisciplinary Connections</a>     |   |
| 4 – 5 weeks   | 5 – 6 weeks   | 3 – 4 weeks  | 5 – 6 weeks  | 5 – 6 weeks   | 3 – 4 weeks                                       | 2 - 3 weeks                               |

### School Supplies:

- 3 Subject Spiral Notebook
- 3-ring binder or folder
- Pencils
- Colored Pencils and highlighters
- TI-30XS Multiview (optional)
- Paper

**Notebooks:** Students must **BRING 3-RING BINDER/FOLDER AND SPIRAL TO CLASS DAILY**. To be successful in this course, students must maintain an organized notebook. Students will organize bellringers, interactive notes, and data in the spiral book. The 3-ring binder or folder will contain assessments, homework, and classwork.

**Expectations:** The overarching expectation in this class is **RESPECT**: respect for yourself, respect for other students, respect for the teacher/or any individual in authority, and respect for any guests that may enter our class. Although this encompasses all other expectations, I will outline several others for the sake of clarity.

1. Be **IN** the classroom, **SEATED**, and **PREPARED and working on the Warm-Up Activity** before the FINAL tardy bell rings.

This means getting materials, using the restroom, and socializing will be completed before the final (tardy) bell sounds. Students arriving after the tardy bell has sounded **are LATE! No Exceptions!**

2. Bring **ALL** materials (textbooks, notebooks with clean paper, completed assignments, calculators, and pencils) to class **DAILY**. You will not be permitted to leave to retrieve forgotten/missing items during class time.

**\*\*\*PLEASE BE RESPONSIBLE AND BRING YOUR OWN MATERIALS TO CLASS!\*\*\***

3. Students are also expected to adhere to all policies, rules, and regulations outlined in the student handbook.
4. Be Prompt, Be Prepared, Be Positive, Be Polite, and Be Productive. Most importantly, be ready to learn and have fun!

**Consequences:** Verbal Warning, (2) Individual Counseling, (3) Parental Contact, (4) Guidance Referral, (5) Parent/Teacher Conference, (6) Office Referral

\*\*\*\*\*However, some situations may result in an immediate office referral.\*\*\*\*\*

**Tests and Quizzes:** Tests will ALWAYS be announced; however, quizzes may not. Therefore, it is important to study notes and other materials covered in class for homework each night. Tests and quizzes can be made up after school. See your teacher to schedule an appointment. **NOTE: STUDENTS WHO ARE ABSENT WILL BE REQUIRED TO TAKE A QUIZ/TEST UPON THEIR RETURN IF THE ASSESSMENT WAS ANNOUNCED BEFORE THEIR ABSENCE.**

**Group Work:** Students are expected to participate in class daily. To foster social skills and stress the concept of teamwork and collaborative learning, students will form and work in groups frequently.

**Make-up Work:** I strongly advise students not to miss class. However, if they must be absent, it is **THEIR RESPONSIBILITY** to find out and make-up any missed work. Students may check the "Absent" crate in the classroom upon their return to retrieve their work. Test and quizzes missed must be made up after school by appointment. **NOTE: ABSENT WORK SHOULD BE COMPLETED WITHIN 5 DAYS OF RETURNING TO SCHOOL.**

**Late Work:** According to RCSS, late work is defined as, "assignments that are submitted after the specific deadline." Students are expected to submit assignments on time. Multiple incidents of late work may result in teacher-student-parent conferences to examine and correct the students' work habits through an academic contract. Students may have their scores reduced by 5% per school day for a 25% maximum reduction (five school days). Late work submitted after the fifth school day will **NOT** be accepted. For late work to be accepted, a Late Work Form must be submitted along with a parent's signature. A Late Work Form must be completed for every late assignment.

**Tutoring:** Tutoring is available on Tuesdays and Wednesdays immediately after school until 4:00 PM. To attend tutoring, student must schedule an appointment through my booking link using the QR code to the right. You must book your appointment at least 24 hours in advance. Due to after school obligations, this schedule is subject to change.

**Parent Communication:** Parents may schedule a phone conference using the QR code to the right. You must book your conference appointment at least 24 hours in advance.



**Remind Codes:** Parents and students please join our Remind to stay up to date with class information.

|                                     |                                     |                                     |
|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 <sup>st</sup> Period: @enhanalg   | 5 <sup>th</sup> Period: @5thturman8 | 7 <sup>th</sup> Period: @7thturman8 |
| 2 <sup>nd</sup> Period: @2ndturman8 | 4 <sup>th</sup> Period: @turmanalg4 | 8 <sup>th</sup> Period: @turmanalg1 |

### **Nine –Week Grading Procedure:**

#### **GRADE CALCULATIONS:**

| Major (Summative) - 40% | Minor (Formative) - 60% |
|-------------------------|-------------------------|
| Unit Test               | Classwork               |
| Projects                | Homework                |
|                         | Quiz                    |

#### **GRADE REPORTING CYCLE:**

| Each Semester represents an 18-week grading period |                               |
|--|-------------------------------|
| Progress Report 1                                  | End of first 6-weeks          |
| Progress Report 2                                  | End of 12-weeks               |
| Semester Report Card                               | End of 18-week grading period |

**GRADING SCALE:** A(100 - 90); B(89 - 80); C(79 - 75); D(74-70); F(69 & Below)

### **Relearn and Reassess Policy:**

- Students scoring below a 90 on a major assessment will have the opportunity to make analytical corrections for full credit during tutoring.
- The learner must have completed all minor assessments prior to the major assessment.
- Students must schedule an appointment for tutoring and assessment review.
- Requests for reassessment and tutoring must occur within **FIVE** school days of receiving the graded test.

**NOTE: STUDENTS SCORING ABOVE A 90 ON A MAJOR ASSESSMENT WILL HAVE THE OPPORTUNITY TO MAKE ANALYTICAL CORRECTIONS FOR FULL CREDIT THE DAY OF RECEIVING THE GRADED TEST. YOU DO NOT HAVE TO COMPLETE A RELEARN AND REASSESS PLAN.**

### **Cell Phone Policy**

Under the terms of the RCSS cell phone and electronic communication devices policy, all cellular phones, smart phones, smart watches, any type of headphones, earbuds, and other devices or accessories used to electronically communicate are considered personal electronic communications devices and will be referred to as “cell phone(s)” and/or “electronic communication devices” throughout this policy. Cell phones, electronic communication devices, and/or accessories must be turned completely off (not on silent or vibrate mode) and put away out of view during the instructional day. Failure to apply with these rules will result in the following consequences:

- First offense: Confiscation, pick up by the end of day, IC Referral
- 2nd Offense: Confiscation, picked up by parent the following Friday, IC Referral
- 3rd Offense: Confiscation, picked up by parent the following Friday, IC Referral, 1 Day ISS
- 4th Offense: Confiscation for 10 school days, parent-admin conference, 3 days ISS
- Additional Offenses: Further incidents may result in the student losing the privilege of bringing electronic devices on campus, ISS, OSS, and any other forms of discipline deemed appropriate under the circumstances.
- A student’s refusal to surrender his/her electronic device(s) to school personnel will be considered noncompliance and insubordination, resulting in two (2) days of out of school suspension, and any other forms of discipline deemed appropriate under the circumstances.

My signature below indicates that I have read and received the syllabus. In addition, I will adhere to the classroom expectations and RCSS Cell Phone Policy.

**Please sign and date this page and return it by Friday, August 9th**

Student Name Print: \_\_\_\_\_ Period: \_\_\_\_\_

Student’s Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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- 4th Offense: Confiscation for 10 school days, parent-admin conference, 3 days ISS
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