

**7th Grade Mathematics**

**Course Syllabus**

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**Course Description**
This course follows the Georgia Standards of Excellence for 7th Grade Mathematics as outlined by the Georgia Department of Education (GADOE). Students will build a strong mathematical foundation through engaging content and practical applications.

Seventh grade (7th grade) mathematics course content regularly incorporates the 8 Mathematical Practices, the Framework for Statistical Reasoning, and the Mathematical Modeling Framework through four big ideas of content: (1) numerical reasoning, (2) probability reasoning, (3) patterning and algebraic reasoning, and (4) geometric and spatial reasoning. Students will build numerical reasoning skills through positive and negative number operations including all rational numbers in context then extend that learning to formally explore simple probability models to explain real-world phenomena. Students will build their algebraic reasoning skills to rewrite expressions, work with multistep equations and inequalities, and use proportional relationships to solve multistep percent problems, discover scale drawings using similar triangles to explain slope. Students will also explore geometric relationships involving area of a circle, volume of 3D shapes including cylinders, and exploring angle measure relationships. The fundamental purpose of Grade 7 mathematics is to formalize and extend the mathematics that students learned in the previous grades.

**Course Objectives and Course Units:** Students will meet the following Georgia Standards:

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| * **7.NR.1**: Understand and apply number sense and operations.
* **7.PAR.2**: Analyze and create expressions and equations.
* **7.PAR.3**: Solve inequalities and understand their applications.
* **7.PAR.4**: Use mathematical reasoning in problem-solving.
* **7.PR.6**: Investigate and apply concepts of probability.
 | 1. **Unit 1**: Making Relevant Connections within the Number System
2. **Unit 2**: Reasoning with Expressions, Equations, and Inequalities
3. **Unit 3A**: Exploring Ratios and Proportional Relationships
4. **Unit 3B**: Exploring Ratios and Proportional Relationships
5. **Unit 4**: Making Relevant Connections with Geometry
6. **Unit 5**: Investigating Probability
7. **Unit 6**: Culminating Capstone
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**Required Materials**

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| * Pencils
* Highlighters
* Dry Erase Markers
* Scientific Calculator
* Paper
* Pocket Folder
* **\*Please feel free to donate any additional items\***
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**Grading Policy** : Parents are encouraged to monitor their child’s grades using the district’s Infinite Campus Parent Portal.

| **Assessment Type** |  | **Percentage** |
| --- | --- | --- |
| Minor: Classwork, Homework, Skill Building Exercises |  | 40% |
| Major: Quizzes, Tests, Projects |  | 60% |

**Academic Dishonesty**

The Student Code of Conduct, Rule 1(A)(t), states that no student shall cheat, alter records, plagiarize, receive unauthorized assistance, or assist another in any type of academic dishonesty. When the assignment calls for students to produce original work, students will not use Artificial Intelligence (AI) to generate the assignment for them. Students found to have engaged in academic dishonesty will be subject to disciplinary actions as outlined in the Student Code of Conduct. Additionally, the task may be entered as incomplete, and the student is required to redo the assignment or retake the assessment.

**Relearn & Reassess (R&R Procedures)**

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| --- |
| After any major assessment, students can submit a relearning plan for parent and teacher approval. Students scoring below 70 on a major assessment should be expected to complete a relearning plan unless exempted with parent approval. Teachers have discretion to determine if R&R opportunities will be given for any minor assessment. |

**Late Work**

Students are expected to submit work on time. ***Any late work received after the specified deadline will lose 5 points per day that it is late up to 5 days from the due date.*** 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 student’s work habits.

**Make-up Work**

Students are expected to make-up assignments and assessments missed due to absence from school. ***Students are responsible for asking teachers for the make-up work upon returning to class.*** Make-up work should be completed by the student within the time specified by the teacher.

**Homework**

Homework will be assigned as needed. Homework is for practice or preparation for instruction is intended to build skills and understanding. Projects and large assignments needing more work time may be assigned as homework graded upon completion.

**Cell phones/Smart Watches/Headphones (Beats), etc.,**

Cell phones/Smart Watches/Headphones (Beats), etc., are not permitted per school policy. The use of cell phones, electronic communication devices and/or accessories is prohibited for all students at all times, during the instructional day, which is defined as the time the student arrives on campus until the end of the school day and/or the time the student leaves campus.

* First Offense: The first offense will result in the electronic device being confiscated, to be picked up by the student or parent at the end of the same school day.
* Second Offense: The second offense will result in the electronic device being confiscated, to be picked up by the parent on the Friday following confiscation, at the specific time.
* Third Offense: The third offense will result in the electronic device being confiscated, to be picked up by the parent on the Friday following confiscation, at the specific time.
* Fourth Offense: The fourth offense and thereafter will result in the electronic device being confiscated for ten (10) school days, and the parent must schedule a conference with an administrator to retrieve the electronic device.
* **Further incidents may result in the student losing the privilege of bringing electronic devices on campus, in-school suspension, out of school suspension, and any other forms of discipline deemed appropriate under the circumstances.**

**Classroom Procedures & Expectations**

The overarching expectation is **RESPECT and RESPONSIBILITY**: respect for yourself, your teacher, your peers, your surroundings, and for any guests in the building. Listed below are several expectations outlined for clarity.

1. **NO:** Technology, Profanity, or Food/Drink**. (There is a station for backpacks, lunch boxes, and personal drinks to be kept away from desk.)**
2. No hats or hoodies worn in the **SCHOOL BUILDING/CLASSROOM.**
3. Raise your hand quietly to speak and no talking out of turn. w
4. Be respectful, prepared, and ready to work. Remain seated and stay engaged when working.
5. Enter the classroom quietly and begin working promptly.
6. Place your bookbag on the back of your chair or underneath your desk.
7. Pay attention during instruction and avoid being disruptive/interruptive.
8. Keep your hands to yourself.
9. Please adhere to school’s dress code.
10. Follow all directions quickly, the first time they are given.

**Parental Involvement:**

1. Periodically ask your child for completed assignments, view their portals in Infinite Campus, ask if he/she needs help, etc.
2. Connect with Ms. Davis on Remind- email teacher for REMIND code if needed
3. Encourage development of good study skills, especially organization of time and materials.
4. Conferences will be scheduled by myself, or the whole team as needed. You can also request a conference as you see fit.
5. **Remember: Math needs daily practice, just like sports and music!**

**Please refer to the Student Code of Conduct for further guidance on Richmond County School System’s policies and procedures.**

Please sign and return this portion of the syllabus to affirm that you have reviewed this document:

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

Parent/Guardian’s Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_

Parent Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_