

7th GRADE MATHEMATICS



Welcome to Seventh Grade! Our goal is to help you understand the mathematics your child will be learning this year. This letter will help you better understand the mathematics expectations for 5th Grade and the supporting resources to provide ideas of how to work with your child at home throughout the school year. For additional support and questions, please contact your child's teacher at their school.

In 7th Grade, there are six mathematics standards for students to learn. Your child will learn to demonstrate skills and strategies needed to succeed in mathematics, including critical thinking, reasoning, effective collaboration and expression. Your child will also be encouraged to seek help and to apply feedback to the task at hand while setting and monitoring individual goals. Learning to solve problems successfully will be a goal for students all year.

7th GRADE MATHEMATICS CONCEPTS

NUMERICAL REASONING

solve relevant multi-step problems involving rational numbers in any form

PROBABILITY REASONING

investigate chance processes and use probability in real situations

GEOMETRIC & SPATIAL REASONING

solve problems involving angle measurement, circles, surface area, and volume

PATTERNING & ALGEBRAIC REASONING

identify proportional relationships and explain them using tables, graphs, and equations

create expressions that are equal and interpret expressions to explain relevant situations

solve and represent situations using equations and inequalities with variables



How will your child engage when learning mathematics?

<u>Positive Mathematical Mindsets</u>	<u>Mathematical Practices</u>
<p>Fostering positive mathematical mindsets is essential to support your child's mathematical growth and development.</p>	<p>Mathematical practices are the habits of mind for learners to demonstrate as they are engaging in exploring the mathematics content.</p>
<u>Mathematical Modeling</u>	<u>Statistical Reasoning</u>
<p>Students will be expected to engage in the cycle for Mathematical Modeling in all learning tasks and activities to support student engagement at the highest level.</p>	<p>Students will be expected to engage in the four-part statistical problem-solving process K-12 by asking statistical questions, collecting data, analyzing data, and interpreting the results.</p>

Scan the QR code for more information and access to all links within this document.



Getting to know your child's teacher is important and communication with them throughout the year will support your child's individual growth while learning mathematics. The resource links below are provided to help support learning at home as you engage your child in meaningful work while they are learning mathematics. If at any time you have additional questions or need to request additional support, please reach out to your child's teacher.



GEORGIA MILESTONES

STANDARDS DOCUMENT

PARENT VIDEO SERIES

DIGITAL LEARNING PLANS

BEDTIME MATH STORIES

GEORGIA NUMERACY PROJECT TASKS & ACTIVITIES

Richard Woods, Georgia's School Superintendent

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