



# GEORGIA MILESTONES MINUTE

Designed Especially for TMS Eighth-Grade Students and Families



## Spotlight: MATH

Over the next few weeks, your student will be taking the Georgia Milestones Assessments (GMAS) in all **four** academic areas: Language Arts, Algebra, Science, and Social Studies. This state assessment measures how well eighth-grade students have learned the knowledge and skills in each area, and provides information about student achievement and readiness to move onto the next level of learning.

In eighth grade, this is especially important— passing GMAS in Language Arts and Math is required in order to be promoted to ninth grade. In math, this means that students must be able to solve linear equations, evaluate and compare functions, and work with scientific notation and irrational numbers. Additionally, students will have to accomplish some of these skills **WITHOUT** the use of a calculator. The chart to the right shows some of the skills that students must demonstrate:

**NEVER FEAR—  
OUR STUDENTS WILL BE READY!**

Proficient Learner	Distinguished Learner
<p><b>In general, your child can:</b></p> <ul style="list-style-type: none"><li>interpret irrational numbers</li><li>apply properties of integer exponents and scientific notation</li><li>solve linear equations and systems of equations</li><li>determine the meaning of the slope of a line</li><li>solve linear equation word problems with two variables</li><li>evaluate and compare functions</li><li>describe a sequence of transformations</li><li>apply Pythagorean Theorem and its converse in 2-D figures</li><li>find the volume of 3-D figures</li><li>investigate associations between two sets of data</li></ul>	<p><b>In general, your child can:</b></p> <ul style="list-style-type: none"><li>approximate irrational numbers</li><li>interpret properties of integer exponents and scientific notation</li><li>solve complex, multistep word problems with systems of linear equations</li><li>model relationships using functions</li><li>apply Pythagorean Theorem in 3-D figures</li><li>analyze congruency and similarity</li><li>find volume in real-world problems</li><li>analyze patterns of association between two sets of data</li></ul>

Teachers are working with students daily, unpacking assessment data and providing support for students who have not yet mastered content. eCLASS pages are updated with tons of resources, including practice items and constructed-response prompts -- all part of regular instruction! (Additional resources can be found on the back of this page.)

## WHAT CAN YOU DO TO HELP YOUR CHILD EXCEL?

- Mark your calendars!** Attendance is crucial during the weeks leading up to and including the GMAS exams.
- Know the numbers!** If your student has failed to meet grade-level expectations in past years, help them prepare at home. Challenge your proficient student to move to distinguished!
- Ask questions!** Ask your student how they are preparing and how you can help. Remind them of resources!
- Believe!** GMAS is one indicator of learning – and it is powerful. Talk to your child's teacher if you have questions.

## WANT TO LEARN MORE?

Check out these resources from the Georgia Department of Education regarding GMAS:

\*a printable [GMAS Grade 8 Study/Resource Guide for Students and Parents](#),

\*a printable [GMAS Algebra I Study Guide](#)

\*an explanation about [GMAS achievement levels](#)

### 2022 8 MATH ALG I TESTING DATES:



MONDAY, MAY 2	EOC ALG I, SECTION 1
TUESDAY, MAY 3	EOC ALG I, SECTION 2



### 2022 8 MATH TESTING DATES:



THURSDAY, MAY 12	8M SECTION 1
FRIDAY, MAY 13	8M SECTION 2



*\*\*You read that right -- in eighth grade, students will be taking **two** different state math assessments!\*\**

## WANT TO HELP YOUR STUDENT BE THEIR BEST?

Use these resources to continue learning at home!

\*I-READY

\*DELTA MATH

\*DESMOS

\*KHAN ACADEMY

... and be sure to check out your student's eCLASS pages for additional resources!

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Want to see what the GMAS testing platform looks like? [Click here](#) to experience the online testing platform and explore some of the tools students will have available!