

Parent Guide to Student Success

Rutherford County Schools is committed to providing high quality instruction anchored in the [Tennessee State Standards](#) using state adopted and board approved curriculum resources.

What to Expect in 7th Grade Mathematics

7th grade math builds on concepts introduced in sixth grade to develop student understanding of computing with negative numbers and solving algebraic equations. Students use equations, graphs, and tables to explore proportional relationships. Simple probability is introduced for the first time in seventh grade. A key component of seventh grade math is making sense of and solving problems that consist of multiple steps.



A Sample of What Your Child Will Be Working On

- Computing with positive and negative whole numbers, fractions, and decimals.
- Solving equations and inequalities with more than one step
- Representing and interpreting proportional relationships in a variety of ways, such as tables, graphs, equations and diagrams.
- Solving problems involving area, volume, and surface area of 2D and 3D shapes.
- Using statistical measures to compare data sets and describe patterns.
- Investigating simple probability by finding the chance of an event occurring.
- Solving multi-step real-world and mathematical problems.



Conversation Starters

With Students

- Tell me how you solved a problem in math class today. What strategies or models did you use?
- Productive struggle is an important part of learning math. What can you do when you encounter a challenge in math class?
- What goals do you have for your math class? How can I help?
- What is your favorite thing about math class? Why?



If your student does not feel confident in math, reach out to the teacher for ways to help. *Every student has the ability to be brilliant in math and we are here to help.*

With Teachers

- Is my child meeting the expectations of this class?
- Are there additional resources you would recommend to support learning outside the classroom?
- How can I keep track of my student's progress and what you are currently teaching in class?
- Feel like **you** need a math lesson? Ask about resources for you to use while supporting your child.



Resources:

[TN State Standards](#) |