

Scholars Summer Guide - 8th Grade

As our students leave for summer break, we wanted to share some ways that parents can continue to support their child in math and reading (ELA) as they prepare for high school. In each high school course, students work to master specific academic standards. Below you will find links to the complete ELA standards and math standards for each grade level/course.

One of the easiest ways to support your child academically over the summer is to have them continue to read for at least 20 minutes a day. In addition to reading their favorite fiction books, encourage your child to read more informational texts (non-fiction books, newspapers, articles, etc). When your child reads each day, you can continue to support them by talking with them about what they are reading. Below you will find a few topics that you may discuss with your child as you read with them or after they read.

- Vocabulary: What does that word mean as it is used in the story/text?
- How does this book compare to the movie? How are they alike? How are they different?
- Describe the characters, plot, and setting of the story.
- Summarize (retell) what has happened in the story/text so far (written or through conversation).

Another easy way to support your child in ELA this summer would be to have them write regularly. You could have your child write about their summer experiences in a journal and share their writing with you.

If your child is registered for Honors English 9 next year, the following book is required summer reading: *To Kill a Mockingbird* by Harper Lee.

*A complete list of the TN Academic ELA Standards can be downloaded at this webpage:

<https://www.tn.gov/education/instruction/academic-standards/english-language-arts-standards.html>

Below, you will find a list of some topics from 8th grade math that you could reinforce with your child by continuing to practice this summer.

- Solving multi-step equations
- Solving problems using scientific notation
- Using distributive property to expand expressions & collecting like terms
- Comparing linear functions in different forms (graphs, tables, and equations)
- Knowing and applying the Pythagorean Theorem

Listed below are a few examples of math topics that you may work on with your child in preparation for the challenges of high school courses.

- Add, subtract, and multiply with polynomials
- Write equations and inequalities to solve problems.
- Simplify radical expressions
- Rearrange formulas to solve problems
- Interpret slope and intercepts of an equation
- Use properties of exponents to create equivalent forms of expressions
- Solve systems of equations

*A complete list of the TN Academic Math Standards can be downloaded at this webpage:

<https://www.tn.gov/education/instruction/academic-standards/mathematics-standards.html>

Additional links to resources to use with your child this summer can be found at the Milan Middle School website under "parent resources." <https://www.milanmiddle.org/>

Have a great summer!