Scholars Summer Guide  
TES - 6th-8th Grades

Below is a summary of the core standards your child covered and will learn in middle school. In addition, we are including some suggestions for summer reading and activities to help them retain skills over the summer break.

5th grade reading: Reading informational text  
Locating evidence within nonfiction text  
Using informational text to ask and answer questions  
Writing short essays/stories based on text/prompts

6th grade reading: Reading informational text  
Locating evidence within nonfiction text  
Using informational text to ask and answer questions  
Writing short essays/stories based on text/prompts

7th grade reading: Reading informational text  
Locating evidence within nonfiction text  
Using informational text to ask and answer questions  
Writing short essays/stories based on text/prompts

8th grade reading: Reading informational text  
Locating evidence within nonfiction text  
Using informational text to ask and answer questions  
Writing short essays/stories based on text/prompts

Summer Reading: Online resources: Storylineonline.net. Whoo’s Reading, Grammar Park Practice, Readworks.org. and openlibrary.org

We suggest your child visit the Bolivar-Hardeman County Library and sign up for a library card this summer. Weekly visits are an excellent way to maintain and improve reading levels and improve comprehension.

5th Grade Math - instructional time focused on these three areas:

- addition and subtraction of fractions, and developing understanding of the multiplication of fractions (unit fractions divided by whole numbers and whole numbers divided by unit fractions)
- extending division to 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations
- developing understanding of volume

6th Grade Math - instructional time will focus on these four areas:
- whole number multiplication and division and using concepts of ratio and rate to solve problems
- division of fractions and extending understanding of numbers to the system of rational numbers
- writing, interpreting, and solving expressions and equations
- developing statistical thinking

7th Grade Math - instructional time will focus on these four areas:
- proportional relationships
- adding, subtracting, multiplying, and dividing with rational numbers and working with expressions and linear equations
- solving problems involving scale drawings and informal geometric constructions, and solve problems involving area, surface area, and volume
- drawing inferences about populations based on samples

8th Grade Math - instructional time will focus on these three areas:
- formulating and reasoning about expressions and equations and solving linear equations and systems of linear equations
- defining, evaluating, and comparing functions
- analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem

5th grade science: See the fourth and fifth grade teacher’s site.

6th grade science: The theme for 6th grade science is how energy found in multiple system scales, is driving ecosystems, Earth’s natural resources, and Earth processes, in turn, oceans, weather, and climate help to determine characteristics of ecosystems.

STEM integration is supported both as a stand alone disciplinary idea.

7th grade science - The theme for 7th grade science is how matter and reactions are the basis for life science and their hierarchy to organ systems and heredity; and biogeochemical cycles carbon and oxygen cycling through photosynthesis and respiration. Earth science, space science are addressed from a prospective based on matter and reactions. Students are often required to gather information from reliable sources to construct evidence-based arguments.
**8th grade science** - The theme for science in 8th grade are how forces and motion drive objects in our solar system, move lithospheric plates, and how nature’s driving force of geology impact ecosystems via environmental selection for a species. Tennessee math standards are integrated specifically with forces and motion. Special attention is given to science literacy through the use of science and engineering practices.

**TENNESSEE PHYSICAL EDUCATION STANDARDS GRADES K-5**

1) The Tennessee Physical Education Standards Grades K-5 state skills, knowledge, and behaviors students should demonstrate at each grade level. The STANDARD is now what was previously called an outcome or student performance indicator.

2) Each component is divided into subcomponents as a means to organize similar standards, e.g. MS.20.5 (Motor Skill number 20, Grade 5) Creates and performs a simple jump rope routine with short or long rope.

3) It is recommended that standards be revisited in a school year. Most standards will require more than one class period for student mastery.

4) While standards are grade-specific, some skills, when developmentally appropriate, may be introduced as exploratory tasks in an earlier grade.

5) Mastery of all standards is dependent on students meeting two or three days a week for a minimum of 30 minutes per class. Modifications will be necessary if students meet less than two times or more than three times a week.

6) Some non-locomotor skills are more specifically referred to as educational gymnastics. Traditional gymnastics or tumbling is not a part of the standards. If a teacher deems him or herself unqualified to teach the educational gymnastic skills of rolling or weight transfer safely or does not have safe and adequate equipment, this standard is optional. The Tennessee Physical Education Standards Grades K-5 document is divided into five components: Motor Skills (MS); Movement Knowledge & Application (MKA); Fitness & Physical Activity (FPA); Personal & Social Responsibility (PSR); and Values Physical Activity (VPA). Key Ideas:

7) A glossary of terms is included. 8) Suggested critical elements for the mature pattern of motor skills is included and denoted by an asterisk.

**TENNESSEE PHYSICAL EDUCATION STANDARDS GRADES 6-8**

The Tennessee Physical Education Standards Grades 6-8 document is divided into five components: Motor Skills (MS); Cognitive Components (CC); Fitness and Physical Activity (FPA); Personal and Social Responsibility (PSR); and Values Physical Activity (VPA). Key Ideas:

1) The Tennessee Physical Education Standards Grades 6-8 state skills, knowledge and behaviors students should demonstrate at each grade level. The STANDARD is now what was previously called an outcome or student performance indicator.

2) Each component is divided into subcomponents as a means to organize similar standards, e.g., Cognitive Components has 3 subcomponents: Skill Analysis, Tactics and Strategies, and Outdoor Pursuits (optional).

3) The standards need not be taught in the order presented. The component and subcomponent numbers are only for organization and identification.
4) The standard is the action, knowledge or behavior expected, e.g., MS. 12.7. Using either a short or long handled implement successfully rallies with a partner.
5) Mastery of all standards is dependent on number of class meetings per year. Modifications may be necessary.