



**KCS** | KNOX COUNTY SCHOOLS

2021-2022

# SUMMER SCHOLARS GUIDE

SECOND GRADE



# Letter: Scholars Guide

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Dear KCS Families,

As the school year concludes, it is important to our educators and families that we provide opportunities for children to stay engaged with learning during the summer, especially with the unexpected school closure related to the COVID-19 pandemic.

KCS has created a Summer Scholars Guide for grades K-8 that serves as a resource for families and aims to minimize summer learning loss and promote preparation for the upcoming school year. Suggestions in the Scholars Guide are optional activities to help students maintain and expand their academic growth over the summer.

In the Scholars Guide, you'll find a list of academic standards from the grade level that your child recently completed, with practice tips on subjects that are already familiar. You'll also find a list of academic standards related to your child's next grade level, allowing them to prepare for the upcoming school year. In both cases, you may need to adapt the suggested activities to meet your child's specific needs. Reading is one of the best things your child can do over the summer, and your local branch library has books for students of all ages. The Scholars Guide includes a list of reading topics and suggested educational websites. We wish your family a fun and safe break and look forward to seeing your child back in school next fall!

***\*Please adhere to CDC recommendations during COVID-19 and consider virtual options where available.***

## Glossary

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**Comprehension** – Showing that the reader understands the texts that he or she just read.

**Culture** – The customs, arts, social institutions, and achievements of a particular nation, people or other social group.

**Equation** – An equation says that two things are equal and it will have an equal sign.

**Fiction** – Stories and books that are about imagined events.

**Math fluency** – The ability to add and subtract within 30 orally or in writing within three to five seconds by the end of the school year.

**Math operations** – A mathematical process that includes addition, subtraction, multiplication or division.

**Nonfiction** – Books and articles that are about real life events, science, and other subjects that are not imagined.

**Primary sources** – Immediate, first-hand accounts of a topic from people who had a direct connection with an event. Primary sources can include: texts of laws and other original documents; newspaper reports by reporters who witnessed an event or who quote people who did; speeches, diaries, letters and interviews - what the people involved said or wrote; original research; datasets or survey data, such as census or economic statistics; photographs, video, or audio that capture an event.

**Secondary sources** – One step removed from primary sources, a secondary source is created by someone who did not directly witness an event, though they often quote or otherwise use primary sources. These sources can cover the same topic as a primary source but add a layer of interpretation and analysis. Secondary sources can include: most books about a topic; analysis or interpretation of data; scholarly or other articles about a topic, especially by people not directly involved; documentaries (though they often include photos or video portions that can be considered primary sources).

**Standard units of length** – Include inches, feet, yards, centimeters, mile.

**Topic sentence** – A sentence that expresses or summarizes the main idea of a paragraph.

## What you learned **this** year and need to keep practicing

### **ENGLISH LANGUAGE ARTS**

- Read second-grade text accurately and with expression to support comprehension
- Answer 1-2 questions about the text after reading
- Engage in conversations with others
- Write a topic sentence and 1-2 details to support and a conclusion

### **MATH**

- Represent with words, pictures, equations, or objects and solve addition/subtraction problems
- Fluently add/subtract within 30 (total is not > 30)
- Understand and use place value to add/subtract. Ex., break apart numbers into tens and ones to add:  $26 + 24$  is the same as  $20 + 20 + 6 + 4$
- Measure and estimate lengths in standard units
- Solve real-world addition/subtraction problems using length

### **SCIENCE**

- Classify animals (vertebrates/invertebrates)
- Read grade-appropriate texts to determine evidence or patterns about the scientific world
- Generate multiple solutions to a problem
- Identify technologies, describe life without them

### **SOCIAL STUDIES**

- Gather, examine, organize, and communicate information from primary/secondary sources
- Compare, contrast various cultures within U.S.
- Learn about the U.S. economy, producers, consumers supply, demand, imports, exports, budgets
- Learn about government/civics: different branches, national/state governments, rules and laws, voting

## What is ahead **next** year that you can prepare for

### **ENGLISH LANGUAGE ARTS**

- Read third-grade text accurately and with expression to support comprehension
- Identify main idea of a text, explain supporting details
- Retell a story in your own words
- Write a paragraph that includes a main idea, details, and a conclusion

### **MATH**

- Represent with words, pictures, equations, or objects and solve problems involving math operations (+, -, x, ÷)
- Understand properties of multiplication and the relationship between multiplication and division to multiply within 100 (up to  $10 \times 10$ ). Ex.,  $2 \times 4 = 8$  is same as  $4 \times 2 = 8$ ; related to  $8 \div 2 = 4$  and  $8 \div 4 = 2$
- Develop understanding of fractions as numbers
- Fluently multiply/divide within 100 (up to  $10 \times 10$ )

### **SCIENCE**

- Read grade-appropriate texts to determine evidence or patterns about the scientific world
- Read graphs/tables to determine science data
- Observe and investigate human impact on the world

### **SOCIAL STUDIES**

- Learn geography/mapping skills: maps, keys, legends, cardinal directions, globes, world, U.S./TN geography
- Observe and investigate human impact on our world
- Understand economics, including natural resources and goods and services in TN
- Learn about early American and TN history: indigenous peoples, European exploration, and early North American settlements

## Things to do and places to go during the summer

\*Please adhere to CDC recommendations during COVID-19 and consider virtual options where available.

### **ENGLISH LANGUAGE ARTS**

Put together a schedule with friends to swap books each week • Create a scrapbook, drawing all of the favorite characters in the books read over the summer

- Write a letter or postcard to an out-of-town family member

### **MATH**

Use dice or playing cards to make a game out of practicing math facts (within 30) • Plant a vegetable garden and track the plants' height from week to week

- Play restaurant and "buy" food they want to eat with pretend money

### **SCIENCE**

Mix different amounts of vinegar/baking soda to create a volcano eruption • Make seed starter pots out of recycled materials that can be planted directly into the ground • Visit the MUSE, Oak Ridge Science Museum, or Ijams Nature Center

### **SOCIAL STUDIES**

Watch the Women's World Cup and mark winners on a world map • Go for a hike at Cumberland Gap • Visit the Museum of Appalachia, McClung Museum, James White Fort, or Blount Mansion

### **RTI2, ELL, SPED**

Students participating in interventions should receive individual reports related to their specific goals from the school throughout the year.

# Keep reading all year long!

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Visit these websites for free reading materials and other important information about why literacy matters.

- [ReadCityUSA.com](http://ReadCityUSA.com)
- [Knoxschools.org/mackinvia](http://Knoxschools.org/mackinvia)
- [Knoxlib.org](http://Knoxlib.org)



## Reading List

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### ENGLISH LANGUAGE ARTS

- *Edison: the Mystery of the Missing Mouse Treasure* by Torben Kuhlman
- *Dear Molly, Dear Olive* by Megan Atwood
- *Magic Tree House Series* by Mary Pope Osborne

### MATH

- *Counting on Katherine: How Katherine Johnson Saved Apollo 13* by Helaine Becker
- *Three Times Four* by Ivan Brunetti
- *Math It: Measure It* by Nadia Higgins
- *Money Math: Addition and Subtraction* by David Adler

### SCIENCE

- *Fur, Feather, Fin--All of Us are Kin* by Diane Lange
- *Flow, Spin, Grow: Looking for Patterns in Nature* by Patchen Barss
- *Timeless Thomas* by Gene Barretta
- *Charlotte the Scientist is Squished* by Camille Andros

### SOCIAL STUDIES

- *The Extraordinary Mark Twain (According to Suzy)* by Barbara Kerley
- *Mapping Sam* by Joyce Hesselberth
- *My Life in the American Colonies* by Lynda Arnez
- *I'm Reading about Tennessee: The Volunteer State* by Carole Marsh