



Math

We use a Math Workshop format that incorporates independent practice, hands-on skill builders, technology, and small group instruction. Our workshops incorporate opportunities for students to explore and exercise their higher order thinking skills by using journal prompts, project-based learning, manipulatives, self-reflection, and one-on-one enrichment. Our math curriculum focuses on the following areas:

- Geometry and Measurement
 - Exploring area and perimeter
 - Composing 2D and 3D shapes
 - Student-led opportunities: a map creation
 - Units of time
 - Units of capacity
- Data Analysis
 - Organizing, displaying, and interpreting data
- Financial Literacy
 - Student-led opportunities: a live marketplace
- Computations and Algebraic Relationships
 - Represent and solve problems
 - Equations and equivalence
- Numerical Representations and Relationships
 - Whole numbers and the place value system
 - Number patterns
 - Number fluency (addition, subtraction, multiplication, and division)
 - Parts of a whole

Language Arts

We use a Reading and Writing Workshop format that includes an emphasis on phonics, word study, decoding, and comprehension strategies. This workshop model also permits daily time for small group and one-on-one guided instruction. We follow Scarborough's Reading Rope Model and place an equal importance on word recognition and comprehension (please reference the graphic on the next page).

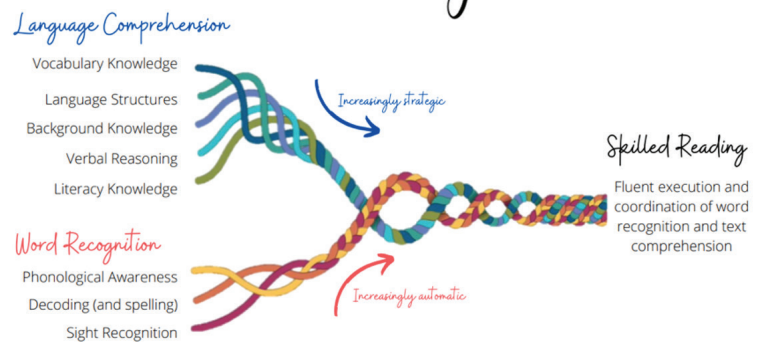
- **Phonics:** Know and apply grade level phonics and word analysis in both reading and writing
- **Phonemic Awareness:** Blending and segmenting words and word study
- **Reading Comprehension Strategies:** Predicting, visualizing, retelling, main idea and details, inferring, using context clues, synthesizing, genres, making connections
- **Grammar & Vocabulary:** Weekly grammar study and vocabulary building

Our writing curriculum follows a workshop model. Teachers will encourage and guide students as they learn to use illustrations and words to express themselves. Students will use what they know about sound-symbol relationships to begin writing. Students will participate in goal setting for their writing and individual student conferences.

In writing, students learn to construct paragraphs, simple stories, five-page books, and essays (each increasing in depth by grade level). Students will enhance their writing by exploring the foundational elements of the writing process and by incorporating proper grammar mechanics. Students will participate in goal setting for their writing through the use of individual student conferences. Some of the writing units students will experience include:

- Writing friendly letters
- Writing personal narratives
- How-to writing
- Informational writing
- Fiction writing
- Opinion writing

THE Reading ROPE



The many strands that are woven into skilled reading



Science

Science students utilize investigations and experiments in order to learn about the natural world. The students will use the scientific process (which includes inquiry methods, analyzing information, making informed decisions, and using tools to collect and record information) while addressing the major concepts and vocabulary in the context of physical, Earth, and life sciences. We explore the following areas:

- What is science?
 - How to design and implement investigations and experiments
- Earth science
 - Weather and the water cycle
 - Soil and landforms
 - Changes to the Earth's surface
 - Patterns in the sky
- Physical science
 - Forms of energy
 - Matter
 - Measuring mass
- Life science
 - Animals
 - Plants
 - Life cycles

Social Studies

Students will learn about themselves, their community, and the world at large to create a solid foundation for responsible citizenship in society. Students will learn that God created us all with unique abilities and strengths. Some of the units of study students will engage in include:

- Communities
- U.S.A. symbols and government
- Maps (continents, oceans, countries, and states)
- Holidays (includes a student-led Christmas around the world experience, Easter, national holidays)
- Technology and changes over time
- Important historical figures
- Economics- including goods and services/producers and consumers

Religion

Building a relationship with Christ is at the center of everything we do. Establishing such a relationship is critical as students form their identity, practice using their gifts, and serve others around them.

Our curriculum fosters an authentic faith while establishing a biblical world view. Through the use of Bible journaling, daily prayer, service projects, weekly Chapel, and the exploration of biblical truths, students are exposed daily to God's love and mercy.

We discuss the following themes:

- Creation, Fall, Redemption
- Bible heroes (including a student-led annual Hero Project)
- The life and teachings of Jesus
- Finding and responding to Scripture verses
- Praise and worship