Grade 5 At-a-Glance: What your child will learn by the end of 5th grade in English language arts/literacy and mathematics

READING:

Foundational Reading Skills:

➤ *Phonics and Word Recognition Skills:* Know and apply 5th grade phonics and word analysis skills to accurately read unfamiliar multisyllabic words in context and out of context, including:
- Knowledge of all letter-sound correspondences
- Knowledge of syllabication patterns
- Knowledge of morphology (roots and affixes)

➤ *Fluency:*
- Read on-level prose and poetry orally with accuracy, appropriate rate and expression, to support comprehension

Reading Literature and Informational Text:

- Quote accurately from text for explicit and inferential responses
- Determine theme or two or more main ideas from details in a text, citing character's responses to challenges and speaker's reflections in poems; summarize the text
- Compare/contrast characters, settings, or events from text details
- Determine the meaning of words and phrases, including figurative language, as they are used in text including general academic vocabulary and grade 5 subject area words and phrases
- Explain how chapters, scenes or stanzas provide structure of a story, drama or poem
- Compare/contrast structure of informational text: chronology, comparison, cause/effect, problem /solution in two or more texts
- Analyze multiple accounts of the same event or topic noting similarities and differences in the point of view represented
- Analyze how visual and multimedia elements contribute to meaning, tone and beauty of a text
- Compare/contrast stories in same genre such as mysteries and adventure stories on approaches to similar themes and topics
- Citing information from text, explain interactions between two or more individuals, events, or ideas in historical, scientific, and technical texts
- Explain how author uses reasons and evidence in text to support point(s)
- Integrate information from several texts on the same topic
- Use information from multiple print/digital sources to locate an answer quickly and solve a problem efficiently
- Read and comprehend literature and informational texts with increasing difficulty, including history/social studies, science and technical texts;

WRITING: As writers, students will be able to:

- Produce at least three types of writing: *opinion* pieces supporting a point of view with ideas logically ordered to support writer's purpose; *informative/explanatory* writing, developing a topic with facts, definitions, details and quotations in formatted paragraphs, sections, and conclusion; precise language, including clauses, and domain-specific vocabulary to support explanation of a topic; *narrative* writing that establishes a situation, introduces a narrator or character, and uses dialogue, pacing, and description of actions, thoughts and feelings with a conclusion; use precise language to convey information;
- Strengthen writing by planning, revising and editing

MATHEMATICS:

Operations and Algebraic Thinking:
- Write and interpret numerical expressions using parentheses, brackets, or braces
- Analyze patterns and relationships

Number and Operations in Base Ten:
- Understand the place value system in multi-digit numbers
- Explain patterns in the number of zeros when multiplying by powers of 10
- Read, write and compare decimals to thousandths
- Fluently multiply multi-digit whole numbers using the standard algorithm
- Find whole-number quotients with up to four-digit dividends and two-digit divisors
- Add, subtract, multiply and divide decimals to hundredths

Number and Operations – Fractions:
- Use equivalent fractions as a strategy to add and subtract fractions
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions

Measurement and Data:
- Convert like measurement units within a given measurement system
- Represent and interpret data
- Geometric measurement: Understand concepts of volume and relate volume to multiplication and to addition; Recognize volume as additive
- Understand that a 1-unit by 1-unit by 1-unit cube is the standard unit for measuring volume

Geometry:
- Graph points on the coordinate plane to solve real-world and mathematical problems
- Classify two-dimensional figures into categories based on their properties