

## Mathematics



### Number and Operations in Base Ten

- Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.
- Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.
- Read, write, and compare decimals to thousandths.
- a. Read and write decimals to thousandths using base-ten numerals, number names, and expanded form, e.g.,  $347.392 = 3 \times 100 + 4 \times 10 + 7 \times 1 + 3 \times (1/10) + 9 \times (1/100) + 2 \times (1/1000)$ .
- b. Compare two decimals to thousandths based on meanings of the digits in each place, using  $>$ ,  $=$ , and  $<$  symbols to record the results of comparisons.
- Use place value understanding to round decimals to any place.
- Fluently multiply multi-digit whole numbers using the standard algorithm.
- Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.
- Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

## Geometry

- Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category. *For example, all rectangles have four right angles and squares are rectangles, so all squares have four right angles.*
- Classify two-dimensional figures in a hierarchy based on properties.

## Science

- Understand how structure and systems of organisms perform functions necessary for life.
- Understand why organisms differ from or are similar to their parents based on the characteristics of the organism.

## Social Studies

- Analyze the chronology of key events in the United States.
- Understand the role of prominent figures in shaping the United States.
- Understand how human activity has and continues to shape the United States.
- Understand how increased diversity resulted from migration, settlement patterns, and economic development in the United States.

## Go for the GOLD!

Give and earn respect

Own your actions

Lead by example

Demonstrate Cooperation

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# Farmington Woods IB/PYP Magnet Elementary School

Farmington Woods IB/PYP Magnet Elementary School will promote inquiry and provide an international awareness while educating our children to become life long learners.

## Fifth Grade Curriculum Objectives Quarter 1



A WCPSS International  
Baccalaureate PYP Magnet School

This brochure is designed to share grade level standards and benchmarks with our families. Your understanding of what your child is expected to learn at each grade level is essential as we work together to reach your child's learning potential.

## Literacy



### Reading-Literature and Informational Text

- Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.
- Determine a theme of a story, drama, or poem from details in the text, including how characters in a story or drama respond to challenges or how the speaker in a poem reflects upon a topic; summarizes the text.
- Compare and contrast two or more characters, settings, or events in a story or drama, drawing on specific details in the text (e.g., how characters interact).
- Determine the meaning of words and phrases as they are used in a text, including figurative language such as metaphors and similes.
- Analyze how visual and multimedia elements contribute to the meaning, tone, or beauty of a text.

## Writing

- Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences. Orient the reader by establishing a situation and introducing a narrator and/or characters; organize an event sequence that unfolds naturally.
- Use narrative techniques, such as dialogue, description, and pacing, to develop experiences and events or show the responses of characters to situations.
- Use a variety of transitional words, phrases, and clauses to manage the sequence of events.
- Use concrete words and phrases and sensory details to convey experiences and events precisely.
- Provide a conclusion that follows from the narrated experiences or events.
- With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.

## Foundational Skills

- Know and apply grade-level phonics and word analysis in decoding words. Use combined knowledge of all letter-sound correspondences, syllabication patterns, and morphology (e.g., roots and affixes) to read accurately unfamiliar multi-syllabic words in context and out of context.
- Read with sufficient accuracy and fluency to support comprehension. Read on-level text with purpose and understanding.
- Read with sufficient accuracy and fluency to support comprehension. Read on-level text orally with accuracy, appropriate rate, and expression on successive readings.

## Speaking and Listening

- Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 5 topics and texts*, building on others' ideas and expressing their own clearly. Come to discussions prepared, having read or studied required material, explicitly draw on that preparation and other information known about the topic to explore ideas under discussion.
- Follow agreed upon rules for discussions and carry out assigned roles.
- Pose and respond to specific questions by making comments that contribute to the discussion and elaborate on the remarks of others.
- Acquire and use accurately grade-appropriate conversational, general academic, and domain-specific words and phrases, including those that signal contrast, addition, and other logical relationships (e.g., however, although, nevertheless, similarly, moreover, in addition).

## Language

- Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. Explain the function of conjunctions, prepositions, and interjections in general and their function in particular sentences.
- Use verb tense to convey various times, sequences, states, and conditions.
- Use correlative conjunctions (e.g., *either/or*, *neither/nor*).
- Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing. Use punctuation to separate items in a series.
- Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on *grade 5 reading and content*, choosing flexibly from a range of strategies. Use common, grade-appropriate Greek and Latin affixes and roots as clues to the meaning of a word (e.g., *photograph*, *photosynthesis*).
- Demonstrate understanding of figurative language, word relationships, and nuances in word meanings. Use the relationship between particular words (e.g., synonyms, antonyms, homographs) to better understand each of the words.
- Acquire and use accurately grade-appropriate conversational, general academic, and domain-specific words and phrases, including those that signal contrast, addition, and other logical relationships (e.g., *however*, *although*, *nevertheless*, *similarly*, *moreover*, *in addition*).