

Mathematics

Operations and Algebraic Thinking

3.OA.1 Interpret products of whole numbers, e.g., interpret 5×7 as the total number of objects in 5 groups of 7 objects each. For example, describe a context in which a total number of objects can be expressed as 5×7 .

.OA.5 Apply properties of operations as strategies to multiply and divide.

3.OA.6 Understand division as an unknown-factor problem. For example, find $32 \div 8$ by finding the number that makes 32 when multiplied by 8.

3.OA.7 Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that $8 \times 5 = 40$, one knows $40 \div 5 = 8$) or properties of operations. By the end of Grade 3, know from memory all products of two one-digit numbers.

3.OA.8 Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

3.OA.9 Identify arithmetic patterns and explain them using properties of operations.

Numbers and Operations

3.NBT.3 Multiply one-digit whole numbers by multiples of 10 in the range 10-90 (e.g., 9×80 , 5×60) using strategies based on place value and properties of operations.

Measurement

3.MD.3 Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs. *For example, draw a bar graph in which each square in the bar graph might represent 5 pets.*

3.MD.5 Recognize area as an attribute of plane figures and understand concepts of area measurement.

3.MD.6 Measure areas by counting unit squares (square cm, square m, square in, square ft, and improvised units).

Science

How the World Works

3.E.1 Recognize the major components and patterns observed in the earth/moon/sun system.

4.E.1 Explain the causes of day and night and phases of the moon.

4.P.3 Recognize that energy takes various forms that may be grouped based on their interaction with matter.

2.P.2 Understand properties of solids and liquids and the changes they undergo.

3.P.2 Understand the structure and properties of matter before and after they undergo a change.

3.P.3 Recognize how energy can be transferred from one object to another.

3.P.1 Understand motion and factors that affect motion.

Social Studies

How We Organize Ourselves

3.C&G.1 Understand the development, structure and function of *local government*.

3.C&G.1.1 Summarize the historical development of *local governments*.

3.C&G.1.2 Describe the structure of *local government* and how it functions to serve citizens.

3.C&G.1.3 Understand the three branches of government, with an emphasis on local government.

3.C&G.2 Understand how citizens participate in their communities.

3.C&G.2.1 Exemplify how citizens contribute politically, socially and economically to their community.

3.C&G.2.2 Exemplify how citizens contribute to the well-being of the community's natural environment.

3.C&G.2.3 Apply skills in civic engagement and public discourse (school, community)

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 lifelong learners.

Curriculum Objectives 3rd Grade: Quarter 2



A WCPSS International Baccalaureate PYP Magnet School

This brochure is designed to share common core 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.

Language Arts

Key Ideas & Details

- RL.3.3** - Describe characters in a story (e.g., their traits, motivations, or feelings) and explain how their actions contribute to the sequence of events.
- RI.3.2** - Determine the main idea of a text; recount the key details and explain how they support the main idea.

Craft and Structure

- RL.3.4** - Determine the meaning of words and phrases as they are used in a text, distinguishing literal from non-literal language.
- RI.3.4** - Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 3 topic or subject area.
- RI.3.5** - Use text features and search tools (e.g., key words, sidebars, hyperlinks) to locate information relevant to a given topic efficiently
- RI.3.7** - Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur).

Integration of Knowledge and Ideas

- RL.3.9** - Compare and contrast the themes, setting, and plots of stories written by the same author about the same or similar characters (e.g., in books from a series).

Foundational Skills

- RF.3.3c** - Know and apply grade-level phonics and word analysis in decoding words. Decode multi-syllable words
- RF.3.3d** - Read grade-appropriate irregularly spelled words.
- RF.3.4c** - Read with sufficient accuracy and fluency to support comprehension. Use context to confirm or self-correct word recognition and understanding, rereading as necessary.

Speaking and Listening

- SL.3.1c** - Ask questions to check understanding of information presented, stay on topic, and link their comments to the remarks of others.
- SL.3.1d** - Explain their own ideas and understanding in light of the discussion.
- SL.3.2** - Determine the main ideas and supporting details of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.
- SL.3.3** - Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.
- SL.3.4** - Report on a topic or text, tell a story or recount an experience with appropriate facts and relevant, descriptive details, speaking clearly at an understandable pace.
- SL.3.6** - Speak in complete sentences when appropriate to task and situation in order to provide requested detail or clarification.

Writing

- W.3.1** Write opinion pieces on topics or texts, supporting a point of view with reasons and information.
- a. Introduce a topic or text clearly, state an opinion, and create an organizational structure in which related ideas are grouped to support the writer's purpose.
- b. Provide reasons that support the opinion.
- c. Use linking words and phrases (e.g., because, therefore, since, for example) to connect opinion reasons.
- d. Provide a concluding statement or section
- W.3.2a.** Write informative/ explanatory texts to examine a topic and convey ideas and information clearly. Introduce a topic and group related information together; include illustrations when useful to aid comprehension.
- b. Develop the topic with facts, definitions, and details.
- c. Use linking words and phrases (e.g., also, another, and, more, but) to connect ideas within categories of information.
- d. Provide a concluding statement or section.

Language

- L.3.1b** - Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. Form and use regular and irregular plural nouns
- L.3.4** - Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on *grade 3 reading and content*, choosing flexibly from a range of strategies.
- a- Demonstrate understanding of word relationships and nuances in word meanings. Distinguish the literal and nonliteral meanings of words and phrases in context (e.g., take steps).
- b - Determine the meaning of the new word formed when a known affix is added to a known word (e.g., agreeable /disagreeable, comfortable/ uncomfortable, care/ careless, heat/ preheat).
- c - Use a known root word as a clue to the meaning of an unknown word with the same root (e.g., company / companion).
- d - Use glossaries or beginning dictionaries, both print and digital, to determine or clarify the precise meaning of key words and phrases.
- L.3.5a** - Demonstrate understanding of word relationships and nuances in word meanings. Distinguish the literal and non-literal meanings of words and phrases in context
- L.3.6** - Acquire and use accurately grade-appropriate conversational, general academic, and domain-specific words and phrases, including those that signal spatial and temporal relationships (e.g., *After dinner that night we went looking for them*)
- L.3.1h** - Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. Use coordinating and subordinating conjunctions.
- L.3.1i** - **Produce** simple, **compound**, and complex sentences.
- L.3.2g** - Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing. Consult reference materials, including beginning dictionaries, as needed to check spellings.