

Mathematics

In Grade 4, instructional time will focus on:

Operations and Algebraic Thinking:

- Use the four operations with whole numbers to solve problems.
- Gain familiarity with factors and multiples.
- Generate and analyze patterns.

Number and Operations in Base Ten:

- Generalize place value understanding for multi-digit whole numbers.
- Use place value understanding and properties of operations to perform multi-digit arithmetic.

Number and Operations—Fractions:

- Extend understanding of fraction equivalence and ordering.
- Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
- Understand decimal notation for fractions, and compare decimal fractions.

Measurement:

- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
- Geometric measurement: understand concepts of angle and measure angles.

Data Literacy:

- Represent and interpret data.
- Organize data and understand data visualizations.

Geometry:

- Draw and identify lines and angles, and classify shapes by properties of their lines and angles.



Social Studies

Students learn the history of their state by exploring the culture, economics and geography from the past to present.

- New Jersey's Land and Early People
- Exploration to Early Statehood
- Progress as a State
- New Jersey Today



Science

The performance expectations in 4th Grade help students formulate answers to questions on topics such as:

- Weathering and Erosion
- Earth Processes
- Structures and Functions
- How Organisms Process Information
- Transfer of Energy
- Force and Motion
- Using Engineering Design with Force and Motion Systems
- Waves and Information



Superintendent: Jeffrey Havers
Assistant Superintendent: Adelina Giannetti
Chief Academic Officer: Ida Smith
Pemberton Township Schools
609-893-8141
www.pemberton.k12.nj.us

FOURTH GRADE

Elementary Curriculum Overview



You can get there from here!

Pemberton Township Schools



*Pursuing Excellence
One Child At A Time*

Introduction

Pemberton Township Schools is continually refining its curriculum for students in Kindergarten through fifth grade. State standards as well as district personnel shape our curriculum. The use of technology is integrated throughout the curriculum. This overview provides information on what your child should be able to do by the end of this grade.



English Language Arts

Using a structured literacy approach, focusing on reading, writing, listening, and speaking, students are exposed to a range of grade appropriate texts and topics that connect across all content areas.

LANGUAGE

Foundational Skills - Reading/Writing

- **Phonics and Word Recognition:** Apply word analysis skills in decoding and encoding words; use combined knowledge of all letter sound correspondences, syllabication patterns, and roots and affixes to read accurately unfamiliar multisyllabic words in context and out of context.
- **Fluency:** Read grade-level texts with sufficient accuracy and fluency to support comprehension.
- **Spelling:** Demonstrate the command of the conventions of spelling and encoding complex multi-syllable words with the most common Latin roots, prefixes, and suffixes. Use dictionaries, glossaries, thesauruses, both print and digital to find the pronunciation and determine or clarify the precise meaning of the key words and phrases.
- **Sentence Composition:** Use basic paragraphing, adding adjectives and adverbs, independent clauses and coordinating

conjunctions. Use capitalization, punctuation, quotation marks, word order, precise nouns, stronger verbs, and pronouns.

- **Language Development:** Determine or clarify the meaning of unknown and multiple meaning academic and domain specific words and phrases using context clues, affixes, root words, glossaries and dictionaries (both print and digital). Demonstrate understanding of figurative language, similes, metaphors, idioms, adages, and proverbs.

These standards aim to lay a strong literacy foundation for young learners.

READING

The reading program includes shared reading, guided reading, independent reading and teacher read-alouds.

- Refer to details and examples as textual evidence when explaining what a literary and/or informational text says and make relevant connections when making inferences about the text.
- Summarize a literary and/or informational text and interpret the author's purpose.
- Describe the impact of individuals and events throughout the course of a text, using analysis or explanation based on evidence in the text.
- Describe the overall structure of texts and explain the major differences between kinds of texts.
- Compare and contrast points of view, first and third person narrations, and multiple accounts of the same event or topic.
- Compare and contrast similar themes, topics, and patterns of events in literary and/or informational texts from authors of different cultures.

WRITING

- Write opinion pieces supporting a point of view with reasons and information.
- Write informative/explanatory texts to examine a topic and convey ideas and information. Develop the topic with facts, definitions, concrete details and text evidence.
- Write narratives to develop real or imagined

experiences or events using narrative technique, descriptive details, and clear event sequences. Use dialogue, transitional words and phrases, and sensory details to convey events and experiences precisely.

- Develop and strengthen writing as needed by planning, revising, and editing. Include self-evaluation and peer feedback as part of the writing process.
- Conduct a short research project that uses multiple reference sources (print and non-print).
- Regularly discuss and engage in collaborative and independent writing tasks.

SPEAKING AND LISTENING

- Participate in collaborative conversations about topics and texts in small and large groups. Build on others' ideas and express own ideas clearly.
- Pose and respond to specific questions to clarify or follow up on information. Make comments that contribute to the discussion and link to the remarks of others.
- Paraphrase parts of texts presented in diverse media and various formats. Identify the reasons and evidence a speaker provides to support particular points.
- Speak clearly when reporting on a topic or text using appropriate facts and relevant, descriptive details.
- Use multi-media to emphasize or enhance facts and details when presenting information. Speak in complete sentences, clearly and at an understandable pace.

