



Office of Instruction Buffalo Public Schools

Grade Level Expectations

New York State learning standards outline what a student should know and be able to do by the end of the grade level or band. There are also additional skills that a well-rounded student should possess. Listed below are examples of Buffalo Public Schools' academic expectations for fifth grade students. These should be viewed holistically and are not meant to determine promotion or retention; a student may demonstrate or be on track for proficiency without having mastered every skill. Teachers intervene as appropriate to support skills development.

READING

- Use combined knowledge of letter-sound correspondences, syllable types, & morphology (e.g., roots and affixes) to read unfamiliar multisyllabic words
- Read grade-level text with accuracy, appropriate rate, and expression
- Provide relevant & specific details from texts to support answers, inferences
- Determine a main idea, theme or central idea & explain how it is supported by key details; summarize a text
- Compare/contrast two or more texts, including overall structure
- Explain how a chapters or scenes fit together to provide story structure
- Describe how point of view influences the description of events
- Explain how claims in a text are supported by relevant reasons and evidence, identifying which reasons and evidence support which claims
- Read and comprehend grade 5 literature and informational texts

WRITING & LANGUAGE

- Demonstrate grade-appropriate use of spelling, grammar, usage, mechanics
- Write an opinion/argument to support claims with relevant evidence
- Write informative/explanatory texts to convey ideas and relevant information
- Write narratives using effective technique, descriptive details, sequencing
- Use transition words to help develop key ideas
- Conduct research projects using several sources
- Take notes and create outlines using appropriate strategies

VOCABULARY

- Use context clues and knowledge of common Greek and Latin roots, prefixes and suffixes to determine word meaning
- Interpret figurative language, including similes and metaphors
- Explain the meaning of common idioms, adages, and proverbs

LISTENING & SPEAKING

- Engage in collaborative discussions, give oral reports, share information and/ or recount an experience
- Express ideas clearly and build on those of others
- Come to discussions prepared, having read or studied required material

GRADE 5

Grade 5 students in BPS are screened three times per year for literacy to ensure that they are on track for reading proficiency.

Grade 5 Literacy Screening Measures

Students in grade 5 use a computer based adaptive diagnostic that assesses vocabulary and comprehension.

If screening results indicate that a student is at risk of not achieving proficiency, teachers will administer a diagnostic assessment to help determine specific areas in need of reinforcement.

Grade 5 Mathematics Screening Measure

Short, computer adaptive diagnostic assessment that screens students across four domains:

- Algebra and Algebraic Thinking
- Measurement and Data
- Number and Operations
- Geometry

Students in grade 5 take State Assessments in English Language Arts and Mathematics.

GRADE

5



TIPS FOR PARENTS

Set aside quiet time every day for reading. Ask students questions about the book they have chosen. Read the book yourself to foster better conversation.

Encourage students to select books about science, history, art, music, and famous people. Building background knowledge is important for comprehension.

Expect students to write daily using the strategies learned in school. Writing about what they have read improves their comprehension.

Play word games like Scrabble. Keep a "word log" for new words students discover.

Practice basic facts by posing problems to solve mentally; expect a quick response.

Involve your student in tasks at home that require math like cooking, measuring, building, etc.

Allow students to make a mistake and problem-solve a better solution.

Ask students to communicate and defend their thinking on various topics.

MATH

Grade Level Fluencies: Multi-digit multiplication

Geometry:

- Graph points on the coordinate plane to solve problems
- Classify two-dimensional figures into categories based on their properties

Operations and Algebraic Thinking

- Write and interpret numerical expressions
- Analyze patterns and relationships

Number and Operations in Base Ten

- Understand the place value system
- Perform operations with multi-digit whole numbers and with decimals to hundredths

Number and Operations -- Fractions

- Use equivalent fractions as a strategy to add and subtract fractions
- Apply and extend previous understanding of multiplication & division to multiply & 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

SCIENCE

- Understand & apply scientific concepts, principles and theories related to the physical setting, Earth and space science, and the living environment
- Recognize the historical development of ideas in science: structure and properties of matter; matter and energy in organisms and ecosystems; Earth's systems and space systems: stars and the solar system
- Use scientific equipment to take measurements using standard metric units
- Recognize that objects have properties that can be observed, described, and/or measured (e.g., states of matter, density, temperature, conductor, volume, etc.)
- Use scientific inquiry to demonstrate understanding of the scientific process and concepts by making observations and testing proposed explanations

SOCIAL STUDIES

- Understand the history and geography of the Western Hemisphere (WH): development of cultures, civilizations, & empires; interaction between societies; comparisons of governments and economic systems of modern nations
- Identify the relationship between geography, economics, & history in the WH
- Examine the effects of European colonization on native populations and how it led to the transatlantic slave trade

ART

- Use Elements & Principles of Art & Design to communicate meanings & ideas
- Use various materials/tools, including digital technology, to promote creativity
- Analyze, reflect, discuss and interpret artwork, and identify artist inferences
- Research & discuss a variety of artworks from diverse cultures throughout time

MUSIC

- Maintain tone, pitch, rhythm, tempo and dynamics while singing
- Describe elements of music such as melody, rhythm, harmony, form and style
- Use instruments in creating and performing music
- Identify a basic repertoire of songs from various world cultures

PHYSICAL EDUCATION

- Perform basic motor, manipulative skills; show competence in physical activities
- Demonstrate safe, responsible, personal and social behavior