



5th Grade Learner Outcomes

By the end of 5th Grade, students are expected to:

English Language Arts

Reading - Literature

- quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text
- determine story elements (setting, plot, characterization, character change, character's point of view) of narrative text (story, drama, poem, etc.)
- summarize accurately narrative text
- compare and contrast two or more characters, settings or events using specific details from two text examples
- using a variety of strategies (word structure, decoding skills, root word, origin, synonyms and antonyms, affixes, vowel patterns skills, context clues) determine the meaning of words and phrases as used in texts including figurative language (metaphors, similes, idioms)
- explain how a series of chapters, scenes or stanzas fit together to provide the overall structure and defining features of a particular story, drama or poem
- identify and describe how a narrator or speaker's point of view and purpose influence how events are described
- analyze how visual and multimedia elements contribute to the meaning, tone and beauty of text (e.g. graphic novel, multimedia presentation of fiction, folktale, myth and poem)
- compare and contrast stories in the same genre on their approaches to similar themes and topics
- read literature(stories, drama and poetry) independently and proficiently

Reading - Informational Text

- recall and quote accurately from a text when explaining what the text states explicitly and when drawing inferences from the text
- identify two or more main ideas and explain how they are supported by key details
- summarize text
- explain the relationships or interactions between or among two or more individuals, events, ideas or concepts in a historical, scientific, or technical text based on specific information in the text
- using a variety of strategies (word structure, decoding skills, root word, origin, synonyms and antonyms, affixes, vowel patterns skills, context clues) to determine the meaning of words and phrases as used in texts
- compare and contrast the overall structure (chronology, cause/effect, problem and solution, etc.) of events, ideas, concepts or information in two or more texts
- analyze multiple accounts of the same event or topic noting important similarities or differences in the point of view they represent
- draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently
- explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons and evidence support which point(s)
- integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably
- read and comprehend informational text (science, social studies, etc.) independently and proficiently



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Foundational Skills

- using a variety of skills and strategies (syllabication patterns, roots, affixes) apply grade level phonics and word recognition to accurately read unfamiliar multi-syllabic words in and out of context
- read on-level text with purpose and understanding
- read text fluently orally, with accuracy, appropriate rate and expression in successive readings
- use context to confirm or self-correct word recognition and understanding, rereading as necessary

Writing

- write opinion pieces on topics or texts, supporting a point of view with reasons and information
- write informative/explanatory texts to examine a topic and convey ideas and information clearly
- write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences
- produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience (following grade-specific expectations defined in core standards)
- with guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach
- with some guidance and support from adults, use technology, including the internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of two pages in a single sitting

- conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic
- recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources
- draw evidence from literary or informational texts to support analysis, reflection and research, applying grade 5 reading standards to literature and informational texts
- write routinely over extended time frames (time for research, reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes and audiences

Language

- demonstrate command of the conventions of standard English grammar and usage when writing or speaking
- demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing
- use knowledge of language and its conventions when writing, speaking, reading, or listening
- 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
- demonstrate understanding of figurative language, word relationships and nuances in word meanings
- acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal contrast, addition and other logical relationships



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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
- review the key ideas expressed and draw conclusions in light of information and knowledge gained from the discussions
- summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively and orally
- summarize the points a speaker makes and explain how each claim is supported by reasons and evidence
- report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes speak clearly at an understandable pace
- include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes
- adapt speech to a variety of contexts and tasks, using formal English when appropriate to task and situation

Math

Operation and Algebraic Thinking

- understand and use pemdas (parenthesis, exponents, multiplication, division, additions, subtraction) in number sentences
- read, write, and explain expressions and number sentences using symbols (+, -, =, <, >) and letter variables

Number and Operation – Base Ten

- read, write and compare whole numbers greater than a billion and decimals through the thousandths
- solve problems using percents, decimals and fractions
- make reasonable estimates and solve for whole numbers using addition, subtraction, multiplication and division

Number and Operation - Fractions

- understand and use equivalent names for fractions, decimals, percents and mixed numbers
- compare and order rational numbers, fractions, decimals and mixed numbers
- solve multi-digit addition and subtraction of whole numbers and decimals
- solve multi-digit multiplication and division of multi-digit whole numbers and decimals
- solve addition and subtraction fraction and mixed numbers problems
- make reasonable estimates and solve for fractions, decimals and mixed numbers using addition, subtraction, multiplication and division
- solve problems using multiplication of fractions and mixed numbers
- solve problems using division of fractions



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Measurement and Data

- convert like measurement units within a given measurement system
- collect and organize data to create a line, plot, bar and circle graphs
- recognize and calculate volume of prisms using cm^3 , in^3 , ft^3 and improvised units

Geometry

- name, locate and plot points in a four quadrant coordinate grid using ordered pairs
- identify, describe, compare, name and draw 2-dimensional and 3-dimensional shapes

Science

Life Science

- classify groups of living things according to their role in a food web
- describe the roles of producers, consumers, predators, prey and decomposers
- compare and contrast ecosystems and biomes

Earth Science

- analyze forces that build up or wear down the earth's surface features
- categorize the three major climate zones and their characteristics
- identify the effects of the Earth's rotation and revolution
- justify reduce, reuse, and recycle as ways to conserve resources

Physical Science

- compare and contrast different forms of energy
- explain physical properties that can be used to identify a material

- identify an element as matter made of one kind of atom
- interpret a compound as a substance made of two or more elements that are chemically combined

Social Studies

- identify key events, causes and effects in each of the identified periods in United States history
 - 1500 – 1600
 - 1600 – 1700
 - 1700 – 1800
 - 1800 - 1900
- recognize the contribution of famous people such as explorers, politicians, military leaders, and cultural groups in U. S. history
- identify and relate information found in maps, graphs and charts
- discuss current issues in the U.S. and world through the use of current periodicals
- identify basic economic issues that affect people in all societies
- identify the role of the three branches of government
- explain basic democratic principles and the rights and responsibilities of U. S. citizens
- explain when, where and why groups immigrated to the U.S.
- describe the influence of discoveries and inventions on American life

Art

- explain the importance of historical events and their impact on society and its artwork
- identify and explain the principles of design (emphasis, balance, harmony, variety, rhythm, movement, proportion and unity)
- identify and use the elements of art (form, line, shape, color, texture, space and value) in their artwork



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- analyze important historical periods and styles in artwork
- discover how other disciplines, such as science, are integrated into the visual arts

Music

- identify the whole rest, half rest and dotted half note
- demonstrate the whole note
- identify the letter names for the lines and spaces on the grand staff
- identify notes on the staff as steps, skips, upward, downward or repeated notes
- perform as an ensemble on classroom instruments, using known music elements
- perform as an ensemble on keyboards, using known music elements
- perform melodic ostinatos on classroom instruments
- identify duple and triple meters by listening
- define these music terms: measure, phrase, ostinato, AB form, verse, refrain
- identify the music symbols: bar line, double bar, repeat, tie, slur, time signature
- identify and demonstrate heavier and lighter voice registers
- participate in age appropriate performance repertoire, with movement, instruments and in a voice matching pitches and blending with the group

Fifth Grade Orchestra (optional activity)

- Tone Quality – demonstrate:
 - a) correct bow hair tension
 - b) bow adequately rosined
 - c) ability to draw straight bow
- Rhythm and Bowing – demonstrate:
 - a) detache (legato)
 - b) bow lifts (‘)
 - c) right hand pizzicato
 - d) rhythm using: quarter, half, eighth notes and quarter rest

Physical Education

- participate regularly in physical education class for the purpose of maintaining good health
- develop an understanding of their individual fitness level by interpreting a variety of fitness assessments and establish personal physical activity goals
- develop basic offensive and defensive strategies in a variety of team activities
- follow activity or game related rules, procedures and etiquette