



STUDENT OUTCOMES

GRADE 5

Literacy • Numeracy



Grade 5 Literacy Blueprint

	Reading Recommended Lexile Range 565L-910L	Vocabulary	Writing and Oral/Written Conventions	Research
Students will be able to:	<ul style="list-style-type: none"> Read a variety of grade-level fiction and nonfiction texts with sufficient accuracy and fluency (prosody) to support comprehension Make inferences and support with evidence from the text Understand how the characters respond as the plot develops and changes Determine the central idea or theme of a variety of texts Summarize information and make comparisons across texts Explain and evaluate an argument in text and how it is supported Determine an author's point of view or purpose and explain how it is presented 	<ul style="list-style-type: none"> Determine the meaning of grade-level academic words using linguistic root words and affixes Determine word meanings using a variety of strategies including context clues and structural analysis Demonstrate understanding of figurative language, word relationships and nuances in word meanings Effectively use reference materials (dictionary, thesaurus, etc.) to determine word meanings Increase vocabulary knowledge through independent reading Become word-conscious (how words work and ways they can be used in and away from school) 	<ul style="list-style-type: none"> Write opinion pieces on topics or texts, supporting a point of view with reasons and information Plan, develop, revise, and edit written work for a specific audience using graphic organizers and effective revising and editing strategies before publishing Write in a variety of modes (narrative, expository/informative, persuasive, poetry) for various audiences Write brief compositions about a topic that includes supporting sentences Choose and incorporate an appropriate organizational pattern based on audience and purpose Use and understand correct capitalization, usage, punctuation, and spelling (CUPS) in writing 	<ul style="list-style-type: none"> Generate research topics by brainstorming or consulting with others Formulate open-ended questions to address an appropriate topic and present findings in a concise and meaningful format Locate valid and reliable resources Apply note taking strategies Utilize strategies to avoid plagiarism and cite valid sources Create an effective topic sentence and compile information from multiple sources to support conclusions Present findings in a consistent format
The teacher will support by:	<ul style="list-style-type: none"> Providing appropriate graphic organizers to support comprehension Monitoring fluency using fluency probes (weekly or bi-monthly), using Paired/Partner readings, Readers Theater, Choral readings, and Repeated readings to improve fluency and comprehension Reading aloud to model how a fluent reader sounds Using think-alouds to model effective reading skills and comprehension strategies Providing daily opportunities for students to read at their independent reading level 	<ul style="list-style-type: none"> Providing explicit instruction regarding the structural analysis of words (root words, affixes, and multiple meaning words) Demonstrating multiple strategies to determine word meaning (context clues) Utilizing interactive word walls, appropriate graphic organizers to promote vocabulary acquisition and retention Providing instruction that supports word ownership (word-conscious) by students 	<ul style="list-style-type: none"> Using the 6+1 Traits of Writing to create a common language of effective writing and to demonstrate what good writing looks like Utilizing rubrics to assess student writing Providing mentor texts as a means to model effective writing and grammar usage Integrating writing and grammar instruction Integrating writing across content areas 	<ul style="list-style-type: none"> Providing instruction regarding locating and using valid and reliable sources Providing instruction on use of reliable resources to gather information Demonstrating effective note taking strategies (graphic organizers, note cards, etc.) Providing instruction on strategies to avoid plagiarism (summarizing, paraphrasing, citing sources)
Parents can support by:	<ul style="list-style-type: none"> Having books available for children to read at least 20 minutes daily Reading aloud to your child and encouraging your child to read from a variety of texts Listening to your child read and periodically stopping to ask questions (who, what, when, where, why, how) Knowing your child's Lexile range and providing appropriate texts from the public library, websites, etc. Discussing current events (local, state, national, international) to build "world knowledge" 	<ul style="list-style-type: none"> Providing access to text and online reference sources (dictionary, thesaurus, etc.) Encouraging discussion of new and unfamiliar words Routinely reviewing and reinforcing vocabulary skills learned at school Playing word games with your child (Scrabble, Jeopardy, Boggle, Scategories, word search and crossword puzzles, etc.) 	<ul style="list-style-type: none"> Encouraging your child to write in a variety of formats (poems, letters, advertisements, plays, songs, etc.) and share their writing Providing real-world opportunities for your child to write Exposing your child to professional language usage 	<ul style="list-style-type: none"> Providing opportunities to visit the public library, museums and cultural events Encouraging your child to explore new ideas Viewing and discussing educational programs with your child



Grade 5 Numeracy Blueprint

	Number, Operations, & Quantitative Reasoning	Patterns, Relationships, & Algebraic Thinking	Geometry & Spatial Reasoning	Measurement	Probability & Statistics	Underlying Processes & Mathematical Tools
Students will be able to:	<ul style="list-style-type: none"> Compare, order, and generate equivalent forms of whole numbers, fractions, mixed numbers, improper fractions, and decimals through the use of concrete objects and pictorial models. Use base-ten knowledge to recognize and generate equivalent forms of commonly used fractions and decimals. Model factors and products using arrays and area models with the intent of finding all factor pairs and identifying common factors. Represent multiplication (up to three-digits by two-digits) and division (up to two-digit divisors and three-digit dividends) situations in picture, word, and number form. Use strategies including rounding and compatible numbers to estimate solutions. 	<ul style="list-style-type: none"> Describe the relationship between sets of data in graphic organizers (lists, tables, charts, and diagrams) to extend the pattern and state the rule for non-consecutive related number pairs. Identify prime and composite numbers using concrete objects, pictorial models, and patterns in factor pairs. Select from and use diagrams and equations such as $y = 5 + 3$ to represent meaningful problem situations and translate problem situations into algebraic equations and expressions. 	<ul style="list-style-type: none"> Identify essential attributes including parallel, perpendicular, and congruent parts of two- and three-dimensional geometric figures, and use formal geometric vocabulary to describe and compare given figures. Identify the transformation and sketch the results of translations, rotations, and reflections on Quadrant I coordinate grid and name points using ordered pairs. Locate and name points on a coordinate grid using ordered pairs of whole numbers and describe the distance between points. 	<ul style="list-style-type: none"> Perform simple conversions within the same measurement system SI (metric) or customary. Recognize attributes of a solid figure and connect concrete models and pictorial representations for perimeter, area, and volume with their respective formulas. Select and use appropriate units and formulas to measure length, perimeter, area, and volume in customary and SI (metric) system. Solve problems involving changes in temperature (in degrees Fahrenheit and Celsius) and elapsed time. 	<ul style="list-style-type: none"> Locate and name points on a coordinate grid using ordered pairs of whole numbers. Use tables of related number pairs to make line graphs and be able to graph a given set of data using an appropriate graphical representation such as a picture or line graph. Describe characteristics of data presented in tables and graphs including median, mode, and range of data. List all possible outcomes of a probability experiment such as tossing a coin using a variety of representations such as tables, charts, and tree diagrams and use the experimental results to make a prediction. 	<ul style="list-style-type: none"> Solve multi-step word problems involving addition, subtraction, multiplications, and division using a variety of strategies. Solve problems that incorporate understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness. Select or develop an appropriate problem-solving plan or strategy including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a simpler problem, or working backwards to solve a problem. Relate informal language to mathematical language and symbols.
Schools will support by:	<ul style="list-style-type: none"> Provide hands-on experiences using concrete objects to build and represent numbers and solutions. Provide multiple opportunities through challenging questions that involve problem-solving, reasoning, and connections to the real-world. Provide opportunities to use mathematical vocabulary to represent numbers and operations. 	<ul style="list-style-type: none"> Provide experiences using concrete objects to build and explore patterns and relationships with numbers and data. Provide opportunities to relate patterns and relationships to everyday experiences. 	<ul style="list-style-type: none"> Provide experiences using concrete objects to build and explore two and three dimensional shapes. Provide opportunities to connect geometric objects and materials within the real world and to make connections to other subjects such as art. 	<ul style="list-style-type: none"> Provide measurement experiences using tools such as rulers, meter sticks, measuring cups, clocks, scales, and thermometers. Provide opportunities to construct objects as well as measure and compare them in more than one way. 	<ul style="list-style-type: none"> Provide opportunities to conduct experiments and predict an outcome. Provide opportunities to work with data collected in classroom experiences and determine the central means of tendencies. Provide experiences graphing points on the coordinate grid and making line graphs. 	<ul style="list-style-type: none"> Provide students opportunities to communicate his/her understanding of the concepts and processes involved in solving problems and make connections to the real world Provide opportunities to estimate reasonable answers to problems.
Parents can support by:	<ul style="list-style-type: none"> Have your child create math problems using whole numbers, fractions, or decimals they have identified in the newspaper or magazines. Have your child justify their understanding of a mathematical concept. 	<ul style="list-style-type: none"> Have your child create math problems. <i>"If a pizza has 12 slices, how many slices would three, six and nine pizzas have?"</i> Extend the problem by asking your child to place the data in a table and plot on a line graph. Have your child write algebraic expressions by playing the secret number game. <i>"Your brother's secret number is 24 more than my number."</i> <i>"Dana's number is double Eva's number."</i> 	<ul style="list-style-type: none"> Ask your child to identify characteristics of angles and geometric shapes inside or outside your home. Discuss career professions that involve an understanding in this area such as architects, interior designers, construction, and engineers, etc... 	<ul style="list-style-type: none"> Ask your child to determine the perimeter/area of a coffee table or room and estimate the volume of the sink or bathtub. Allow your child to read recipes and measure out dry and wet ingredients. 	<ul style="list-style-type: none"> Ask your child to find and explain a line or bar graph in the newspaper or a magazine. Ask your child to list all the possible combinations of shirts and pants they can make using their own clothing. Have your child list their report card grades and determine the mode, median, and range of data. 	<ul style="list-style-type: none"> Set aside time for daily math homework or review math skills. Have your child read literature that relates to mathematics and explain the content. Play board or card games with your child that requires your child to makes choices and allow your child to explain or justify their strategy.

