

3rd/4th Grade Information for Parents

This document identifies each progress report standard, with noted extensions for students receiving highly capable services. The left-hand column indicates the grade level standard, and the right-hand column notes the intended extension. The advanced activities and assignments in the highly capable classroom stretch students beyond grade level standards.

Students are expected to master skills at a faster pace, to cover topics in greater depth and complexity, and to demonstrate a sophisticated level of understanding. The scores on the progress report reflect the student's performance in this rigorous setting.

Math

Skills:

- Apply and adapt a variety of appropriate strategies to solve problems that arise in mathematics and in other contexts
- Make and investigate mathematical conjectures
- Develop and evaluate mathematical arguments
- Organize and consolidate mathematical thinking through communication, communicate mathematical thinking coherently
- Analyze and evaluate the mathematical thinking and strategies of others
- Recognize and use connections among mathematical ideas

3 rd /4 th Grade Standard	Highly Capable 3 rd /4 th Grade Extensions
<p>Operations and Algebraic Thinking</p> <p>3rd - Solves multiplication and division problems; Understands the relationship between multiplication and division; Multiplies and divides within 100 fluently - memorizes products of two one-digit numbers</p> <p>4th - Adds, subtracts, multiplies, and divides whole numbers to solve word problems; Gains familiarity with factors and multiples; Generates and analyzes patterns</p>	<ul style="list-style-type: none"> • Applies pattern strategies to solve complex problems • Writes and interprets numerical expressions to identify an unknown
<p>Numbers and Operations in Base Ten</p> <p>3rd - Rounds whole numbers to the nearest 10 or 100; Adds and subtracts within 1000 fluently; Multiplies one-digit whole numbers by multiples of 10</p> <p>4th - Uses place value understanding to read, write, and round multi-digit whole numbers; Uses place value understanding and properties of operations to add, subtract, multiply, and divide whole numbers</p>	<ul style="list-style-type: none"> • Analyzes number systems and can convert within them • Performs operations with multi-digit whole numbers and decimals
<p>Number and Operations - Fractions</p> <p>3rd - Understands fractions as parts of a whole and points on a number line; Represents and explains equivalent fractions; Compares fractions by reasoning about their size</p> <p>4th - Extends understanding of equivalence and ordering to add, subtract, and multiply with fractions; Understands decimal notation for fractions and compares two decimals to hundredths</p>	<ul style="list-style-type: none"> • Applies equivalent fractions as a strategy to add and subtract fractions • Identifies fractions as representations of division • Multiplies fractions with whole numbers and fractions
<p>Measurement and Data</p> <p>3rd - Solves problems involving measurement and estimation of time intervals, liquid volumes, and mass; Tells and writes time to the nearest minute; Understands concepts of area and perimeter</p> <p>4th - Solves problems involving measurement and conversion of measurements; Represents and interprets data; Understands concepts of angles and measures angles</p>	<ul style="list-style-type: none"> • Understands concepts of volume and relates volume to multiplication and addition • Applies knowledge of area, perimeter, and angles to solve problems for unknown measurements • Converts and solves problems of units within a given system
<p>Geometry</p> <p>3rd - Reasons with shapes and their attributes</p> <p>4th - Draws, identifies, and classifies lines, angles, and shapes by their properties; Recognizes lines of symmetry</p>	<ul style="list-style-type: none"> • Graphs points on a coordinate plane to solve real-world and mathematical problems • Constructs a shape from a given set of properties • Identifies and classifies 3-dimensional shapes by properties

Reading

Skills:

- Reads and comprehends literary and informational texts independently and proficiently at least one year above grade level
- Uses text features including headings, graphs, and table of contents
- Monitors reading and knows what to do when not comprehending
- Applies elements of reasoning (purpose, point of view, inferences, etc.) to comprehend complex texts
- Classifies details to make generalizations within a text
- Considers long and short-term consequences of solutions, both in the text and in the real world

3 rd /4 th Grade Standard	Highly Capable 3 rd /4 th Grade Extensions
<p>Foundational Skills – - Applies phonics and word analysis skills in decoding words - Reads with accuracy and fluency to support comprehension</p>	<ul style="list-style-type: none"> • Uses a variety of word recognition skills with increasingly complex text • Uses context, word parts, knowledge of stems and word origins to figure out unfamiliar words • Uses expression, rhythm, and phrasing in complex texts
<p>Comprehension: Literary Text 3rd - Asks and answers questions to demonstrate understanding of a text; Uses reading skills and strategies to understand characters, central message, and word meanings in text 4th - Summarizes the main idea of theme using key details from the text or inferences</p>	<ul style="list-style-type: none"> • Compares and contrasts internal and external influences on settings, characters, and events over time • Understands cause and effect and its relationship to consequences and implications within a text • Uses reading strategies such as predicting, questioning, and connecting to own experiences
<p>Comprehension: Informational Text 3rd - Asks and answers questions to demonstrate understanding of a text; Determines the main idea, retells the key details; Compares and contrasts important points and key details in two texts on the same topic 4th - Integrates information from multiple sources on the same theme or topic</p>	<ul style="list-style-type: none"> • Employs a variety of strategies to include: determining importance, making inferences, drawing conclusions, and considering multiple perspectives in non-fiction text • Identifies a concept or “Big Idea” that supports interdisciplinary connections e.g., change
<p>Language 3rd - Determines or clarifies the meaning of unknown and multiple-meaning words and phrases 4th - Determines the meaning of words and phrases by using a variety of strategies (e.g. context, word parts, root words)</p>	<ul style="list-style-type: none"> • Uses reference materials to determine meaning, pronunciation, and origin of words and word stems • Self-selects various reference materials including atlases, dictionaries, and websites to find answers to questions about a topic • Increases number of known words

Writing

3 rd /4 th Grade Standard	Highly Capable 3 rd /4 th Grade Extensions
<p>Demonstrates the ability to write narrative pieces</p>	<ul style="list-style-type: none"> • Produces narrative pieces that are representative in development, clarity, and complexity of writing at least one grade-level above • Applies the use of literary devices to elaborate details • Employs a variety of writing structures (folktale, poetry, fantasy, etc.) • Communicates character traits through appearance, behaviors, and dialogue
<p>Demonstrates the ability to write informative/explanatory pieces</p>	<ul style="list-style-type: none"> • Produces informative pieces that are representative in development, clarity, and complexity of writing at least one grade-level above • Conducts research by applying skills of questioning, information gathering, and synthesis • Utilizes text and graphics features within complex pieces • Creates and organizes information using charts, diagrams, and timelines as appropriate
<p>Demonstrates the ability to write opinion pieces</p>	<ul style="list-style-type: none"> • Produces opinion pieces that are representative in development, clarity, and complexity of writing at least one grade-level above • Supports opinion pieces with valid reasoning and considers point of view • Elaborates on specific details to enhance reasoning
<p>Develops and strengthens writing as needed by planning, revising, and editing</p>	<ul style="list-style-type: none"> • Identifies and writes to specific purposes and audiences • Utilizes pre-writing strategies that are best matched for genre and own skill • Demonstrates proficiency in the writing process to enhance their own writing and the writing of their peers • Uses technology, including the Internet, to produce and publish writing
<p>Demonstrates accurate grammar, capitalization, punctuation, and spelling</p>	<ul style="list-style-type: none"> • Applies appropriate grammar and usage, conventions of capitalization, punctuation, and spelling to pieces of greater complexity

Speaking and Listening

3 rd /4 th Grade Standard	Highly Capable 3 rd /4 th Grade Extensions
<p>Collaboration Participates in collaborative conversations</p> <p>Presentation Reports on a on a topic or text, tells a story, or retells an experience with appropriate facts and details while speaking clearly</p>	<ul style="list-style-type: none"> Engages in academic discussion across curriculum Assumes various leadership roles within collaborative groups Prepares and presents ideas and information in an organized format with extended evidence and reasoning Communicates with clarity and precision, strives for accurate communication, and avoids generalizations, distortions and deletions

Science

3 rd /4 th Grade Standard	Highly Capable 3 rd /4 th Grade Extensions
<p>Physical Science 3rd - Demonstrates understanding of forces and interactions 4th - <i>Defines energy and describes the relationship between energy and forces; Demonstrates understanding of the properties of waves - water, light, sound</i></p>	<ul style="list-style-type: none"> Investigates and demonstrates understanding of the natural world in a systematic way, like a scientist, and applies these skills and knowledge to solve problems Applies appropriate methodology and procedures to investigate a scientific principle Creates an individual scientific project (investigation, technology, or invention) Acquires significant content knowledge through the course of solving an interdisciplinary, real-world problem
<p>Life Science 3rd - Describes that organisms have unique and diverse life cycles; Demonstrates understanding of life science skills -fossil evidence, natural selection, adaptation 4th - <i>Demonstrates understanding of the structures of plants and animals that support survival, growth, behavior, and reproduction</i></p>	
<p>Earth Science 3rd - Demonstrates understanding of Earth's systems and human activity - weather conditions, climate in different regions of the world, weather-related hazards 4th - <i>Demonstrates understanding of Earth's systems - fossils, erosion, natural resources, natural hazards</i></p>	
<p>Science and Engineering Practices 3rd - Applies the principles of the engineering/design process to solve a problem 4th - <i>Understands and efficiently uses the scientific process; Develops and uses models; Constructs explanations and designs solutions; Engages in argument from evidence</i></p>	

Social Studies

3 rd /4 th Grade Standard	Highly Capable 3 rd /4 th Grade Extensions
<p>Demonstrates knowledge and skills within unit guidelines 3rd - First Nations of North America; Cultures of North America; Cultures in our Community 4th - <i>Exploring the Pacific Northwest Prior to Statehood; Tribal Sovereignty in Washington State; Washington State Geography, Resources, and Economics</i></p>	<ul style="list-style-type: none"> Applies abstract concepts such as systems, cause and effect, and how things change over time to understand the impact of the past on the present Applies skills of historical analysis and historical interpretation to primary and secondary sources of information Investigates various cultures and communities, with attention to defining features of geography, history, and traditions