

Instructional Focus Statements

English Language Arts	Mathematics	Science
<p>Reading Students read a variety of grade level materials, applying strategies appropriate to various situations</p> <p>Writing Students write for a variety of purposes and audiences with sophistication and complexity appropriate to the grade level.</p> <p>Listening Students listen for a variety of purposes appropriate to the grade level.</p> <p>Speaking Students speak for a variety of purposes and audiences with sophistication and complexity appropriate to the grade level.</p> <p>Language Arts Integration Students synthesize individual language arts skills.</p>	<p>Number Operation and Concepts Students use number, number sense, and number relationships in a problem-solving situation. Students communicate the reasoning used in solving these problems.</p> <p>Geometry Students apply geometric concepts, properties, and relationships in a problem-solving situation. Students communicate the reasoning used in solving these problems.</p> <p>Measurement Students use a variety of tools and techniques of measurement in a problem-solving situation. Students communicate the reasoning used in solving these problems.</p> <p>Algebraic Concepts and Relationships Students use algebraic methods to investigate, model, and interpret patterns and functions involving numbers, shapes, data, and graphs in a problem-solving situation. Students evaluate and communicate the reasoning used in solving these problems.</p> <p>Statistics and Probability Students use statistics and probability to analyze given situations and the results of experiments. Students communicate the reasoning used in arriving at a conclusion.</p> <p>Tools and Technology Students use appropriate tools and technologies to model, measure, and apply the results in a problem-solving situation. Students communicate the reasoning used in solving these problems.</p> <p>Problem-Solving and Mathematical Reasoning Students apply a variety of problem-solving strategies to investigate and solve problems from across the curriculum as well as from practical applications.</p>	<p>Basic Concepts and Knowledge Students develop an understanding of scientific concepts using facts, theories, principles, and models.</p> <p>Unifying Concepts and Processes Students recognize patterns and processes, making connections in terms of systems and subsystems that explain the interrelationships of the natural and designed world.</p> <p>Science as Inquiry Students demonstrate knowledge and skills necessary to perform scientific inquiry.</p> <p>Habits of Mind Students develop habits of mind including curiosity, open-mindedness and persistence.</p> <p>Communication Students communicate and apply scientific concepts.</p> <p>Science in Personal and Social Perspectives Students apply scientific principles to personal and social issues.</p> <p>History and Nature of Science Students develop an understanding of the nature of science, its history, and science as a human endeavor.</p> <p>Science and Technology Students develop skills in using technology and recognize the relationship between technology and science, including its potential and limits.</p> <p>Safety Students exercise care in scientific inquiry and recognize the importance of safety.</p>