



Kentucky Summative Assessment (KSA) Performance Level Descriptors (PLDs) Grade 4

Reading – Grade 4

Distinguished

A student performing at the Distinguished performance level for grade 4 Reading consistently reads closely, using details and examples from the text as well as explicit and implicit evidence, to support an explanation of what the text says and to analyze how the theme or central ideas are reflected in the text. The student routinely demonstrates the ability to describe and analyze how and why characters/individuals, events and ideas are connected over the course of the text. The student skillfully analyzes structure in the overall text or parts of the text. The student consistently compares and contrasts point of view and firsthand/secondhand account of events or topics in the text. The student is adept at determining the meaning of words, phrases and figurative language in the text, including how they shape meaning of the text. The student adeptly compares and contrasts themes, topics and events in a variety of texts from different cultures.

Proficient

A student performing at the Proficient performance level for grade 4 Reading usually reads closely, using details and examples from the text as well as explicit and implicit evidence, to support an explanation of what the text says and to analyze how the theme or central ideas are reflected in the text. The student often demonstrates the ability to describe and analyze how and why characters/individuals, events and ideas are connected over the course of the text. The student usually analyzes structure in the overall text or parts of the text. The student often compares and contrasts point of view and firsthand/secondhand account of events or topics in the text the student often determines the meaning of words, phrases and figurative language in the text, including how they shape meaning of the text. The student accurately compares themes, topics and events in a variety of texts from different cultures.

Apprentice

A student performing at the Apprentice performance level for grade 4 Reading sometimes reads closely, using details and examples from the text as well as explicit and implicit evidence, to support an explanation of what the text says and to analyze how the theme or central ideas are reflected in the text. The student demonstrates adequate ability to describe and analyze how and why characters/individuals, events and ideas are connected over the course of the text. The student attempts to analyze structure in the overall text or parts of the text. The student adequately compares and contrasts point of view and firsthand/secondhand account of events or topics in the text. The student sometimes determines the meaning of words, phrases and figurative language in the text, including how they shape meaning of the text. The student

attempts to compare themes, topics and events in a variety of texts from different cultures.

Novice

A student performing at the Novice performance level for grade 4 Reading rarely reads closely, using details and examples from the text as well as explicit and implicit evidence, to support an explanation of what the text says and to analyze how the theme or central ideas are reflected in the text. The student demonstrates minimal ability to describe and analyze how and why characters/individuals, events and ideas are connected over the course of the. The student rarely analyzes structure in the overall text or parts of the text. The student minimally compares and contrasts point of view and firsthand/secondhand account of events or topics in the text. The student demonstrates minimal ability to determine the meaning of words, phrases and figurative language in the text, including how they shape meaning of the text. The student demonstrates little ability to compare themes, topics and events in a variety of texts from different cultures.

Mathematics – Grade 4

Distinguished

A student performing at the Distinguished performance level for grade 4 Mathematics consistently makes sense of quantities and their relationships in problem situations. The student routinely demonstrates the ability to flexibly choose among methods and strategies to solve contextual and mathematical problems, understand and explain their approaches and produce accurate answers efficiently. The student effectively interprets mathematical relationships. The student is adept at identifying key features and applying correspondences between multiple representations, such as place value, multiplication and division, estimation, fractions, and shapes.

Proficient

A student performing at the Proficient performance level for grade 4 Mathematics often makes sense of quantities and their relationships in problem situations. The student usually demonstrates the ability to flexibly choose among methods and strategies to solve contextual and mathematical problems, understand and explain their approaches and produce accurate answers efficiently. The student generally interprets mathematical relationships. The student is adept at identifying key features and applying correspondences between multiple representations, such as place value, multiplication and division, estimation, fractions, and shapes.

Apprentice

A student performing at the Apprentice performance level for grade 4 Mathematics attempts to make sense of quantities and their relationships in problem situations. The student sometimes demonstrates the ability to flexibly choose among methods and strategies to solve contextual and mathematical problems, understand and explain their approaches and produce accurate answers efficiently. The student interprets a few mathematical relationships. The student attempts to identify key features and apply correspondences between multiple

representations, such as place value, estimation, multiplication and division, fractions, and shapes, but the results indicate a lack of clarity or a lack of consistency.

Novice

A student performing at the Novice performance level for grade 4 Mathematics displays little understanding of how to make sense of quantities and their relationships in problem situations. The student rarely demonstrates the ability to flexibly choose among methods and strategies to solve contextual and mathematical problems, understand and explain their approaches and produce accurate answers efficiently. The student interprets mathematical relationships ineffectively or inaccurately. The student minimally or inappropriately attempts to identify key features and apply correspondences between multiple representations, such as place value, multiplication and division, estimation, fractions, and shapes.

Science – Grade 4

Distinguished

A student performing at the Distinguished performance level for grade 4 science has a comprehensive understanding of science and engineering concepts and practices incorporated in the Kentucky Academic Standards for Science up to grade 4. The student consistently communicates ideas related to foundational concepts in a sophisticated and complex manner, using thorough supporting detail and explicit examples. The student reasons and solves problems by using appropriate strategies by in an insightful way. Connections between concepts/ ideas from different areas of science, when appropriate, are justified and insightful. The student at the Distinguished performance will demonstrate knowledge, skills, and abilities related to the Kentucky Academic Standards for grade 4 science such as:

- Can analyze and interpret data to organize information and make sophisticated and complex predictions.
- Can generate and/or analyze a claim, citing relevant evidence, and utilize cause and effect relationships to support a sophisticated design solution.
- Can accurately and insightfully analyze and interpret data and observations about patterns they observe.
- Can construct and analyze an argument, providing insightful and relevant evidence to support a claim.
- Can define and analyze simple design problems, including identifying criteria for success and considering appropriate constraints.
- Can interpret data to identify patterns used as evidence to construct an insightful explanation.
- Can formulate insightful questions to predict insightful outcomes.
- Can accurately develop or use a model that insightfully explains components and relationships within a system.

Proficient

A student performing at the Proficient level for grade 4 science has a broad understanding of science and engineering concepts and practice incorporated in the Kentucky Academic Standards for Science up to grade 4. The student usually communicates ideas accurately using clear and appropriate examples of foundational concepts, supporting or justifying those ideas with relevant details and evidence. Problem-solving and critical thinking skills are used effectively and connections between concepts/ideas from different areas of science, when present, are reasonable and appropriate.

The student at the Proficient performance will demonstrate knowledge, skills, and abilities related to the Kentucky Academic Standards for grade 4 science such as:

- Can analyze and interpret data to organize information and make predictions.
- Can make and/or analyze a claim, citing relevant evidence and utilizing cause and effect relationships, to support a design solution.
- Can accurately analyze and interpret data and observations about patterns they observe.
- Can construct an argument with reasonable evidence to support a claim.
- Can analyze a simple design problem, including identifying criteria for success and considering appropriate constraints.
- Can interpret data to identify patterns used as evidence to construct a reasonable explanation.
- Can formulate questions to predict reasonable outcomes.
- Can accurately develop or use a model that explains most components and relationships within a system.

Apprentice

A student performing at the Apprentice level for grade 4 science has a basic understanding of science and engineering concepts and practices incorporated in the Kentucky Academic Standards for Science up to grade 4. The student communicates ideas about foundational concepts in a basic manner, but explanations, solutions or justifications may be unclear or ineffective. The student demonstrates some problem-solving and critical thinking skills using concepts/ideas from different areas of science, but they are not consistently applied.

The student at the Apprentice performance will demonstrate knowledge, skills, and abilities related to the Kentucky Academic Standards for grade 4 science such as:

- Can analyze or interpret data in a limited way to organize information or make predictions.
- Can make and/or analyze a claim, citing little or incomplete evidence.
- Can analyze or interpret data and observations about patterns they observe.
- Can construct an argument with limited evidence to support a claim.
- Can analyze a simple design solution which may include criteria for success and/or appropriate constraints.
- Can interpret data to identify patterns used as evidence to construct a limited explanation.
- Can recognize reasonable questions to make limited predictions.

- Can recognize, develop or use a model that explains some components and relationships within a system.
- Can develop a partial model or use a given model that shows and minimally explains components and relationships.

Novice

A student performing at the Novice performance level for grade 4 science has a minimal understanding of the three dimensions of the science and engineering concepts and practices incorporated in the Kentucky Academic Standards for science up through grade 4. The student communicates ideas ineffectively or inaccurately, providing little detail and little or no support. Attempts at problem-solving or critical thinking are minimal or inappropriate.

The student at the Novice performance level does not demonstrate the knowledge, skills, and abilities to be classified into the Apprentice performance level.