

Science
Water Cycle
 “Standard 1”
Grade 4

Score 4.0	In addition to Score 3.0 performance, in-depth inferences and applications that go beyond what was taught.
Score 3.5	In addition to a Score 3.0 performance, partial success at inferences and applications that go beyond what was taught.
Score 3.0	<p>Students will understand that water changes state as it moves through the water cycle by ...</p> <ul style="list-style-type: none"> • Identifying different water sources and describing their amounts • Identifying and describing evaporation, condensation, and precipitation • Identifying the major heat source of the water cycle • Constructing a water cycle model accurately • Applying knowledge to community application <p>The student exhibits no major errors or omissions regarding any of the information and/or processes (simple or complex) that were explicitly taught.</p>
Score 2.5	No major errors or omissions regarding the similar details and processes and partial knowledge of the more complex ideas and processes.
Score 2.0	No major errors or omissions regarding the simpler details and processes but major errors or omissions regarding the more complex ideas and processes.
Score 1.5	Partial knowledge of the simpler details and processes but major errors or omissions regarding the more complex ideas and processes
Score 1.0	With help, the student demonstrates a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.
Score 0.5	With help, a partial understanding of some of the simpler details and processes but not the more complex ideas and processes.
Score 0.0	Even with help, the student demonstrates no understanding or skill

Science
Weather
“Standard 2”
Grade 4

Score 4.0	In addition to Score 3.0 performance, in-depth inferences and applications that go beyond what was taught.
Score 3.5	In addition to a Score 3.0 performance, partial success at inferences and applications that go beyond what was taught.
Score 3.0	<p>Students will understand that the elements of weather can be observed, measured, and recorded to make predictions and determine simple weather patterns by...</p> <ul style="list-style-type: none"> • Identifying cloud types • Identifying tools of a meteorologist • Describing weather conditions • Using tools, gathering, measuring, and recording weather data • Graphing and evaluating data • Evaluating weather patterns to predict future weather possibilities • Applying weather knowledge to Utah specific situations <p>The student exhibits no major errors or omissions regarding any of the information and/or processes (simple or complex) that were explicitly taught.</p>
Score 2.5	No major errors or omissions regarding the similar details and processes and partial knowledge of the more complex ideas and processes.
Score 2.0	No major errors or omissions regarding the simpler details and processes but major errors or omissions regarding the more complex ideas and processes.
Score 1.5	Partial knowledge of the simpler details and processes but major errors or omissions regarding the more complex ideas and processes
Score 1.0	With help, the student demonstrates a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.
Score 0.5	With help, a partial understanding of some of the simpler details and processes but not the more complex ideas and processes.
Score 0.0	Even with help, the student demonstrates no understanding or skill

Science
Rocks and Soil
 “Standard 3”
Grade 4

Score 4.0	In addition to Score 3.0 performance, in-depth inferences and applications that go beyond what was taught.
Score 3.5	In addition to a Score 3.0 performance, partial success at inferences and applications that go beyond what was taught.
Score 3.0	<p>Students will understand the basic properties of rocks, the processes involved in the formation of soils, and the needs of plants provided by soil by...</p> <ul style="list-style-type: none"> • Understanding the differences between rocks and minerals • Sorting and classifying rocks, by describing the processes involved for the three types of rocks • Comparing and modeling weathering and erosion • Illustrating a soil profile and describing components of each layer • Demonstrate how soil relates to plant growth and erosion <p>The student exhibits no major errors or omissions regarding any of the information and/or processes (simple or complex) that were explicitly taught.</p>
Score 2.5	No major errors or omissions regarding the similar details and processes and partial knowledge of the more complex ideas and processes.
Score 2.0	No major errors or omissions regarding the simpler details and processes but major errors or omissions regarding the more complex ideas and processes.
Score 1.5	Partial knowledge of the simpler details and processes but major errors or omissions regarding the more complex ideas and processes
Score 1.0	With help, the student demonstrates a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.
Score 0.5	With help, a partial understanding of some of the simpler details and processes but not the more complex ideas and processes.
Score 0.0	Even with help, the student demonstrates no understanding or skill

Science
Fossils
“Standard 4”
Grade 4

Score 4.0	In addition to Score 3.0 performance, in-depth inferences and applications that go beyond what was taught.
Score 3.5	In addition to a Score 3.0 performance, partial success at inferences and applications that go beyond what was taught.
Score 3.0	Students will understand how fossils are formed, where they may be found in Utah, and how they can be used to make inferences by... <ul style="list-style-type: none"> • Demonstrating how different types of fossils are formed • Constructing a fossil map of Utah • Inferring how Utah has changed through time • Contrasting two theories of extinction The student exhibits no major errors or omissions regarding any of the information and/or processes (simple or complex) that were explicitly taught.
Score 2.5	No major errors or omissions regarding the similar details and processes and partial knowledge of the more complex ideas and processes.
Score 2.0	No major errors or omissions regarding the simpler details and processes but major errors or omissions regarding the more complex ideas and processes.
Score 1.5	Partial knowledge of the simpler details and processes but major errors or omissions regarding the more complex ideas and processes
Score 1.0	With help, the student demonstrates a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.
Score 0.5	With help, a partial understanding of some of the simpler details and processes but not the more complex ideas and processes.
Score 0.0	Even with help, the student demonstrates no understanding or skill

Science
Utah Environments
“Standard 5”
Grade 4

Score 4.0	In addition to Score 3.0 performance, in-depth inferences and applications that go beyond what was taught.
Score 3.5	In addition to a Score 3.0 performance, partial success at inferences and applications that go beyond what was taught.
Score 3.0	<p>Students will understand the physical characteristics of Utah’s wetlands, forests, and deserts and identify common organisms for each environment by...</p> <ul style="list-style-type: none"> • Classifying plants and animals in the three environments • Describing the physical characteristics of the three environments • Creating a map of Utah showing locations of the three environments • Analyzing plants and animals, and their adaptations and interactions within the three environments • Creating a model of the three environments <p>The student exhibits no major errors or omissions regarding any of the information and/or processes (simple or complex) that were explicitly taught.</p>
Score 2.5	No major errors or omissions regarding the similar details and processes and partial knowledge of the more complex ideas and processes.
Score 2.0	No major errors or omissions regarding the simpler details and processes but major errors or omissions regarding the more complex ideas and processes.
Score 1.5	Partial knowledge of the simpler details and processes but major errors or omissions regarding the more complex ideas and processes
Score 1.0	With help, the student demonstrates a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.
Score 0.5	With help, a partial understanding of some of the simpler details and processes but not the more complex ideas and processes.
Score 0.0	Even with help, the student demonstrates no understanding or skill