

Content Area: Science

Strand: Scientific Inquiry	Missouri GLE:
Reporting Topic: Developing and Conducting Investigations	7.1.A
Grade: 4	

Score 4.0	<p>In addition to Score 3.0, in-depth inferences or applications that go beyond what was taught. For example, the student may:</p> <ul style="list-style-type: none"> • Investigate new knowledge by developing a question based upon new generalizations and principles.
	3.5 In addition to 3.0 performance, in-depth inferences and applications with partial success.
Score 3.0	<p>The student will:</p> <ul style="list-style-type: none"> • Formulate a testable hypothesis with guided instructions and partners, conduct a fair test (investigation) to answer a question about objects, materials, organisms and events in the environment. • Recognize characteristics of fair and unbiased tests. • Make qualitative and quantitative observations using simple tools and equipment (e.g. hand lenses, magnets, thermometers, metric rulers, balances, graduated cylinder and spring scale) while measuring and recording the results of an investigation. <p>The student exhibits no major errors or gaps in the learning goal (complex ideas and processes).</p>
	2.5 No major errors or gaps in 2.0 content and partial knowledge of 3.0 content.
Score 2.0	<p>The student will:</p> <ul style="list-style-type: none"> • Make observations using simple tools and equipment. • Recognize or recall specific terminology (Scientific Inquiry, fair and unbiased test). • Identify the components of a fair test to answer a testable question. <p>The student exhibits no major errors or gaps in the simpler details and processes.</p>
	1.5 Partial understanding of the 2.0 content with major errors or gaps in 3.0 content.
Score 1.0	With help, a partial understanding of the 2.0 content and some of the 3.0 content.
	0.5 With help, a partial understand of the 2.0 content and none of the 3.0 content.
Score 0.0	Even with help, no understanding or skill demonstrated.