

Grade: 4

Strand: Physical Science

Standard/Topic: SCI-04.PS3.03

Ask questions and predict outcomes about the changes in energy that occur when objects collide.



		Sample Activities
Score 4.0 Complex	In addition to Score 3.0, in-depth inferences and applications that go beyond the target content.	
	3.5 In addition to target performance, in-depth inferences and applications with partial understanding	
Score 3.0 Target	The student will: • ask questions and predict outcomes about the changes in energy that occur when objects collide The student exhibits no major errors or omissions.	For example, make qualitative predictions about the change in energy due to changes in speed as objects collide.
	2.5 No major errors or omissions regarding the simple content and partial understanding of the target content	
Score 2.0 Simple	There are no major errors or omissions regarding the simpler details and processes as the student: • The student will recognize or recall specific terminology, such as: ◦ collide, energy, friction, outcome • The student will perform basic processes, such as: ◦ describe the relationship between speed and energy ◦ describe what happens when objects collide However, the student exhibits major errors or omissions regarding the more complex ideas and processes.	
	1.5 Partial understanding of the simple, but major errors or omissions regarding the target content	
Score 1.0	With help, partial understanding of the simple and target content	
	0.5 With help, partial understanding of the simple content, but not the targeted content	