

Learning Tracker

Energy Unit: Part 1

Potential and Kinetic Energy

F = Formative

S = Summative

I can identify/describe kinetic and potential energy and the transformation between the two and that energy is conserved in the transformation.			
Assignment	Learning Target	Type	Grade
The Pendulum Skill Builder	I can identify/describe kinetic and potential energy and the transformation between the two and that energy is conserved in the transformation.	F	
Energy Concept Drawings	I can develop vocabulary which helps me understand forms of energy and energy transformations	F	
Energy Conservation Contraption Skill Builder	I can design, build and operate a system (contraption) which starts as potential energy, transforms into kinetic energy, and then into thermal energy, then back to potential energy	F	
Potential Energy Car Lab Skill Builder	I can collect evidence which demonstrates the relationship between elastic potential energy and kinetic energy.	F	
Crater Lab Skill Builder	I can analyze evidence which shows gravitational potential energy depends on the mass of an object and how far it falls.	F	
Kinetic Energy of a Marble Skill Builder	I can identify the connection between velocity and kinetic energy	F	
Amusement Park Activity Skill Builder	I can calculate the kinetic energy produced by roller coasters.	F	
Energy Unit: Part 1 Test	I can identify/describe kinetic and potential energy and the transformation between the two and that energy is conserved in the transformation.	S	
Energy Unit Part 1: Lab Test	I can design a lab which collects data which clearly identifies the relationship between potential and kinetic energy.	S	

Independent Project Tracker

Learner must demonstrate a minimum of two (2) approved independent projects which demonstrate how you have refined your understanding of the standard.

Title of Project	Learning Target		
		S	
		S	
		S	