

Content	Domain	Strand	Topic	Grade	Statement
ONLS	Science	Physical Science	Changes in Motion	2	Forces change the motion of an object.
ONLS	Science	Physical Science	Light, Sound and Motion	5	The amount of change in movement of an object is based on the mass of the object and the amount of force exerted.
ONLS	Science	Physical Science	Matter and Motion	6	There are two categories of energy: kinetic and potential.
ONLS	Science	Physical Science	Matter and Motion	6	An object's motion can be described by its speed and the direction in which it is moving.
ONLS	Science	Physical Science	Conservation of Mass and Energy	7	Energy can be transformed or transferred but is never lost.
ONLS	Science	Physical Science	Conservation of Mass and Energy	7	Energy can be transferred through a variety of ways.
ONLS	Science	Physical Science	Forces and Motion	8	Forces between objects act when the objects are in direct contact or when they are not touching.
ONLS	Science	Physical Science	Forces and Motion	8	Forces have magnitude and direction.
ONLS	Science	Physical Science	Forces and Motion	8	There are different types of potential energy.
ONLS	Science	Physical Science	Forces and Motion	9–12	Motion (displacement, velocity, and acceleration)
ONLS	Science	Physical Science	Forces and Motion	9–12	Types of forces (gravity, friction, normal, tension)
ONLS	Science	Physical Science	Forces and Motion	9–12	Dynamics (how forces affect motion)