

Unit 7: Forces

Lesson Plan

Disciplinary Core Idea:	Forces and Interactions
NGSS:	<ul style="list-style-type: none">• MS-PS2-2 Plan an investigation to provide evidence that the change in an object's motion depends on the sum of the forces on the object and the mass of the object.
Lesson Title	Friction
Lesson Number	7-8
Learning objectives:	<ul style="list-style-type: none">• Define the four types of friction.• Describe factors which affect friction.• Describe how friction affects motion.
"I can" statement:	<ul style="list-style-type: none">• I can describe the four types of friction, factors which affect friction and how it affects motion.
Prior Knowledge: Action and Reaction, Balanced and Unbalanced Forces, Force, Mass and Acceleration.	
Vocabulary: Aerodynamics, Drag, Friction, Kinetic Energy, Rolling friction, Sliding friction, Static friction	
Summary of Activities: <ol style="list-style-type: none">1. Distribute and complete bell ringer activity.2. Discuss guided notes and slideshow, with students.3. Lab activity4. Vocabulary activity5. Exit quiz	
Additional Resources: <ul style="list-style-type: none">• See online activities	
Homework: <ul style="list-style-type: none">• Assignment	
Assessment: <ul style="list-style-type: none">• Bell work• Assignment• Lab activity• Exit quiz• End of unit review	