

Topic: Causes of Forces
 Subject Area(s):

Days: 9
 Grade(s):

Key Learning: All forces arise from the interactions between different objects.

Unit Essential Question(s): What affects the forces acting on or between objects?

↓	↓	↓
Concept: a) Fundamental Forces <u>S11.A.3.3.1, S11.A.3.3.3, S11.A.1.1.1, 3.4.12.C</u>	Concept: b1,d) contact forces / Friction, Normal, Tension <u>S8.A.2.1.1, S8.A.2.1.2, S11.A.3.3.3, S11.A.1.1.5, 3.4.12.C</u>	Concept: c) pressure <u>S8.A.2.1.1, S8.A.2.1.2, 3.4.12.C</u>
↓	↓	↓
Lesson Essential Question(s): How do the four fundamental forces dominate nature? (A)	Lesson Essential Question(s): What affects the strength of the contact forces? (A)	Lesson Essential Question(s): How are forces and pressure related for solids, liquids, and gasses? (A)
↓	↓	↓
Vocabulary: Strong, Weak, Electromagnetic, Gravitation	Vocabulary: Normal, Tension, Friction, Applied, Newton	Vocabulary: Pressure, Area

Concept: b2,e,f) distant forces, gravity, e&m <u>S8.A.2.1.1, S8.A.2.1.2, S11.A.3.3.1, S11.A.1.1.5, 3.4.12.C</u>	Concept:	Concept:
↓	↓	↓
Lesson Essential Question(s): What affects the strength of forces that act at a distance? (A)	Lesson Essential Question(s):	Lesson Essential Question(s):
↓	↓	↓
Vocabulary: Newton's Law of Universal Gravitation, Coulomb's Law, Electrostatic	Vocabulary:	Vocabulary:

Additional Information:

Attached Document(s):