

Science DesCartes: General Science – Physical Science
 Skills: Understand That the Total Energy in the Universe is Constant

Students:	DesCartes Skills: (Highlight the skills related to your chosen standard/concept)
	RIT 231-240: • Gives examples of potential energy
	RIT 221-230: • Recognizes the major forms of energy • Defines kinetic energy • Gives examples of kinetic energy • Gives examples of potential energy
	RIT 211-220: • Defines kinetic energy • Relates kinetic energy to the speed of an object • Describes ways that energy may be changed as a result of a chemical reaction • Explains that when energy is converted from one form to another, heat is often produced as a by-product • Recognizes that mechanical machines produce heat
	RIT 201-210: • Relates kinetic energy to the speed of an object • Interprets diagrams showing conversions between potential and kinetic energy • Makes predictions about the transformation between kinetic and potential energy • Describes the transformations of energy that may occur in electrical systems • Explains that a turbine is a machine that is used in the transformation of mechanical to electrical energy
	RIT 191-200: • Gives examples of objects that use electrical energy
	RIT 181-190: • Gives examples of forms of energy

Lesson Title:

Standard/Concept for All:

Introduction: (Get Attention; Connect to Prior Knowledge)

For Students Ready for a Challenge:

Lesson/Activity:

Resources:

Means of Assessment:

For Most Students:

Lesson/Activity:

Resources:

Means of Assessment:

For Students Needing Extra Support:

Lesson/Activity:

Resources:

Means of Assessment:

Closure/Summary for All:

