

Thomas Haney Secondary School

Science 10

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LG #8: Law of Conservation of Energy (What I need to understand)

BIG IDEA: Where Does Energy Come From and Where Does It Go?

Learning Standards:	
 Fundamental Knowledge (what I need to know) ☆ How energy is never created or destroyed, merely transformed from one type of energy to another. 	 Curricular Competencies (What I need to do) Explain the conversion of potential and kinetic energy.
Some energy in all transformations is lost in the form of friction/heat.	State the Law of conservation of energyProvide examples of how energy
There are multiple forms of energy, for example; solar, thermal, potential, and kinetic energy.	conversions affect living things.

	ADVANCED (B)	MASTERY (A)
 ESSENTIALS (C/C+) I CAN: ☆ State the law of correnergy. ☆ Define potential and give examples of and give examples of energy conversion. ☆ Explain how energy energy conversion. 	 I CAN: Explain why most activities seem to NOT follow the law of conservation of energy. Explain the energy transformations that take place on a roller coaster AND how these energy conversions prove the law of conservation of energy. 	I CAN: ✓ Construct an experiment that demonstrates the of Conservation of energy. t



conversion prove the law of conservation of energy.