**Transformers… More than meets the eye.**

**Benchmarks:**

SC.7.P.11.2-Investigate and describe the transformation of energy from one form to another.

SC.7.P.11.3- Cite evidence to explain that energy cannot be created nor destroyed, only changed from one form to another.

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| **4** | I am able to design an experiment that would confirm or demonstrate the law of conservation of energy and or energy transformations. | |
| **3** | I am able to investigate and describe energy transformations of energy from one form to another. | |
| **2** | I can **define:**  \_\_\_\_ Transferred/ Converted  \_\_\_\_ Created  \_\_\_\_ Destroyed | \_\_\_\_ I can give **examples** of the transformation of energy from one form to another. |
| I can **define:**  \_\_\_\_ Mechanical Energy  \_\_\_\_ Kinetic Energy  \_\_\_\_ Potential Energy  \_\_\_\_ Electrical Energy  \_\_\_\_ Nuclear Energy  \_\_\_\_ Solar Energy  \_\_\_\_ Chemical Energy  \_\_\_\_ Thermal Energy | \_\_\_\_ I can **describe** and **identify** different forms of energy and differentiate between potential and kinetic energy.  \_\_\_\_ I can **identify** situations where kinetic energy is transformed into potential energy as stated by the Law of Conservation of Energy. |
| **1** | With help, students are able to have partial success with 2.0 content. | |

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| **4** | I am able to design an experiment that would confirm or demonstrate the law of conservation of energy and or energy transformations. | |
| **3** | I am able to investigate and describe energy transformations of energy from one form to another. | |
| **2** | I can **define:**  \_\_\_\_ Transferred/ Converted  \_\_\_\_ Created  \_\_\_\_ Destroyed | \_\_\_\_\_\_\_I am able to cite evidence that supports the law of conservation of energy. |
| I can **define:**  \_\_\_\_ Mechanical Energy  \_\_\_\_ Kinetic Energy  \_\_\_\_ Potential Energy  \_\_\_\_ Electrical Energy  \_\_\_\_ Nuclear Energy  \_\_\_\_ Solar Energy  \_\_\_\_ Chemical Energy | \_\_\_\_ I am able to investigate and describe energy transformations. |
| **1** | With help, students are able to have partial success with 2.0 content. | |