**TYPES OF ENERGY PROFICIENCY SCALE**

| Name:  Science Core: |
| --- |

| **Types of Energy Learning Target: I can describe how energy is transferred and conserved.** | | | | |
| --- | --- | --- | --- | --- |
| Score 4.0 | In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught. Student consistently earns a 4.0 on target related assessments. | | | |
| Score 3.0 | The student will (supporting learning targets):   * + Explain how the kinetic energy of an object depends on its mass and velocity.   + Generate examples of kinetic energy.   + Compare kinetic energy to potential energy.   + Model how kinetic energy can be transformed into potential energy and how potential energy can be transformed into kinetic energy.   + Examine examples of different types of potential energy. | | | |
| Score 2.0 | The student will recognize or recall specific vocabulary, such as:   * **speed, force, kinetic energy, action, acceleration, velocity, potential energy, energy (physical), energy transfer, mass, action, energy conservation, mechanical energy, thermal energy, chemical energy, electrical energy, elastic potential energy, sound energy** | | | |
| Score 1.0 | With help, partial success at score 2.0 content and some 3.0 content | | | |

**Performance Tracker**

Pick two assignments/activities to showcase in your portfolio along with this completed proficiency scale document (one of your choices should be summative). Complete a reflection for one piece of your choice.

*F = Formative (practice) S = Summative (final test/project)*

*Summative assessments and assignments carry the most weight.*

| **Assignment/Assessment** | **F/S** | **Student Score** | **Assignment/Assessment** | **F/S** | **Student Score** |
| --- | --- | --- | --- | --- | --- |
| 009 Types of Energy Quiz #1 | F |  | 025 Energy Gimkit Preparation | F |  |
| 010 Kinetic Energy Study Guide | F |  |  |  |  |
| 011 Calculate Kinetic Energy | F |  | 028 Energy Test Corrections | F |  |
| 013 Potential Energy Study Guide | F |  |  |  |  |
| Types of Energy Quiz #2 | F |  |  |  |  |
| 018 Heat and Temperature | F |  |  |  |  |
| 015 Energy Skate Park Simulation | F |  |  |  |  |
| 024 Energy Conversion Lab Report Poster | S |  |  |  |  |
| Types of Energy Summative Test | S |  |  |  |  |

**Please complete the following at the end of the unit:**

| CLAIM - Rate yourself on the proficiency scale for this target.  (1-4) |  |
| --- | --- |
| EVIDENCE - Look back at your work and scores for this unit. Describe the evidence you have for your rating. |  |
| REASONING - Using your evidence make a final statement that supports your claim. |  |
| What are your challenges and successes during this unit? |  |