**ENERGY AND WAVES PROFICIENCY SCALE**

| Name:  Science Core: |
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| **Types of Energy Learning Target: I can describe how waves are used to transfer energy and information.** | | | | |
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| 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 scores a 4.0 on target related assessments.. | | | |
| Score 3.0 | The student will (supporting learning targets):   * + Describe how light waves behave then they pass from one medium to another.   + Explain how light reflects off mirrors and other types of surfaces.   + Predict if an object is more likely to transmit or absorb light.   + Explain the properties of different types of waves.   + Explain what causes sound, seismic, and electromagnetic waves to transmit energy through different mediums. | | | |
| Score 2.0 | The student will recognize or recall specific vocabulary, such as:   * **wavelength, refract, reflection, concave lens, convex lens, transparent, translucent, amplitude, longitudinal wave, electromagnetic spectrum, frequency, wave, crest, trough, transverse wave, medium, radiation, diffraction** | | | |
| 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** |
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**Please complete the following at the end of the unit:**

| CLAIM - Rate yourself on the proficiency scale for this target.  (1-4) |  |
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| 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? |  |