**Project Reflection Form**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Instructor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Assignment Description: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**Checklist of Skills: Physics**

**Waves and Electromagnetic Radiation**

**☐** Used math to support a claim regarding frequency, wavelength, and speed of waves

☐ Evaluate use of digital transmissions

☐ Evaluate light as a particle and a wave

☐ Evaluate published material supporting claims that different frequencies of EM waves effect

items that absorb them differently

☐ Communicate information about the principles of wave behavior

**Forces and Interactions**

☐Analyze data supporting the claim that the 2nd Law of Motion describes a mathematical

relationship among force, mass, and acceleration

☐Use math supporting conservation of momentum

☐Apply science and engineering ideas to evaluate and refine a device that minimizes force on a

macroscopic object during a collision

☐Use math to predict the gravitational and electrostatic forces between objects, using the Law of

Gravitation and Coulomb’s Law

☐Plan and conduct an investigation to provide evidence that an electric current can produce a

changing magnetic field that produces electric current

**Energy**

☐ Create a computational model to calculate change in energy to one component of a system

☐ Develop and use models to illustrate energy at the macroscopic scale illustrating the energy of

particles’ motion and energy with relative positions of particles

☐ Design, build, and refine a device that works within given constraints to convert one form of

energy into another form of energy

☐ Plan and conduct an investigation to provide evidence of thermal energy transfer within a

closed system – Second Law of Thermodynamics

☐ Develop & use a model of 2 objects interacting through electric or magnetic fields

**Directions:** Write a well-developed paragraph, using INK, to respond to the following question.

What can you be proud of in this project?

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