**Project Reflection Form**

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

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

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

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

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**Checklist of Skills: Earth/Space Science**

**Space Systems:**

☐ Develop a model to illustrate the life span of the sun and the role of nuclear fusion.

☐ Construct an explanation of the Big Bang Theory based on evidence from light spectra,

motion of distant galaxies, and composition of matter in the universe.

☐ Communicate scientific ideas about the way stars, over their life cycle & produce elements.

☐ Use math to predict the motion of orbiting object in the solar system.

**History of Earth**

☐ Evaluate evidence of the past and current movements of continental and oceanic crust and

the Theory of Plate Tectonics.

☐ Apply scientific reasoning and evidence from ancient Earth materials, meteorites, and other

planetary surfaces to construct an account of Earth’s early formation and history.

☐ Develop a model to illustrate how Earth’s internal and surface processes operate at different

spatial and temporal scales to form continental and ocean-floor features.

**Earth’s Systems**

☐ Analyze geoscience data to claim one change to Earth’s surface creates feedback to others.

☐ Develop a model based on evidence of Earth’s interior to model internal thermal convection.

☐ Plan and conduct an investigation of the properties of water and its affect on Earth.

☐ Develop a quantitative model to describe the carbon cycle.

☐ Construct an argument based on evidence about the simultaneous coevolution of Earth’s

systems and life on Earth.

**Weather and Climate**

☐ Use a model to describe how variations in the flow of energy into and out of Earth’s systems

result in changes in climate.

☐Analyze geoscience data and the results from global climate models to make an evidence-

based forecast of the current rate of global or regional climate change and associated

future impacts to Earth’s systems.

**Human Sustainability**

☐ Construct an explanation based on evidence for the availability of natural resources,

occurrence of natural hazards, and changes in climate have influenced human activity.

☐ Evaluate competing design solutions for developing, managing, and utilizing energy and

mineral resources based on cost-benefit ratios.

☐ Create a computational simulation to illustrate the relationships among management of

natural resources, the sustainability of human populations, and biodiversity.

☐ Evaluate or refine a technological solution that reduces impacts of human activity on

natural systems.

☐ Use a computational representation to illustrate the relationships among Earth systems

and how those relationships are being modified due to human activity

**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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