**Unit 4 Inquiry-Based Learning Rubric: Sustainability and Earth’s 4 Spheres**

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| **Name:** | **Emerging** | **Developing** | **Proficient** | **Extending** |
|  | **C- (50-59%)** | **C(60-66%)**  **C+(67-72%)** | **B (73-85%)** | **A (86-100%)** |
| **Big Idea** | Realizes that… one’s actions affect Earth. | Understands that… one’s actions affect the sustainability of Earth’s 4 spheres. | Analyzes… how one’s actions affect the sustainability of Earth’s 4 spheres. | Analyzes... how one’s actions affect Earth’s 4 spheres.  Justifies... ways to increase sustainable actions in society, taking multiple perspectives into consideration. |
| **Questioning and Predicting** | Can make simple predictions based on teacher-provided questions. | Can create closed questions, can make open questions with help.  Can make simple predictions. | Can create open questions and make multiple predictions. | Can create open forward thinking questions and multiple thoughtful predictions that take into account reflections. |
| **Investigating: Planning and Conducting** | Needs assistance to plan, select, and use appropriate investigation methods | Able to plan, select, and use investigation methods. Methodology incomplete or inappropriate. | Able to plan, select, and use appropriate investigation methods in a safe manner | plan, select, and use appropriate investigation methods and taking ethics, and multiple perspectives into consideration |
| **Analyzing** | Teacher assisted analysis. | Analyzes data and uses scientific concepts to draw conclusions that are mostly consistent with evidence. Some ideas/concepts lack supporting evidence. | Analyzes data and uses scientific concepts to draw conclusions that are consistent with evidence. | Analyzes data using multiple means of analysis (graphing, modelling, diagraming, identifying patterns/trends, etc.) and uses scientific concepts to draw conclusions that are consistent with evidence. |
| **Evaluating** | Provides basic ways to improve their investigations with assistance. | Makes basic improvements to their investigations without assistance. | Improves their investigations by considering either the social, ethical, or environmental implications. | Considers social, ethical, and environmental implications from their own and others’ investigations |
| **Synthesis: Applying and innovating** | Generates solutions to problems at a local and/or global level, but solutions are superficial or not backed by scientific knowledge. | Generates basic solutions to problems at a local and/or global level, using existing ideas. | Generates new/refined ideas through problem solving to find solutions to problems at a local and/or global level. | Generates new/refined ideas through problem solving to find solutions to problems at a local and/or global level to  contribute to care for self, others, community, and world) |
| **Communication** | Communicates basic scientific ideas and information | Communicates scientific ideas, information, and evidence-based claims | Communicates scientific information, ideas, evidence-based claims and a potential course of action. | Communicates ideas, claims, information, and a potential course of action, taking multiple perspectives into consideration |