**Environmental Science 20 SDS1- Student - Directed Study**

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|  | **4 (Mastery)** | **3 (Proficiency)** | **2 (Approaching)** | **1 (Beginning)** |
| **Project Proposal** | My project proposal has a clear focus question that is related to at least one topic in Health Science. I have created an appropriate and efficient plan to answer my question. | I can write a project proposal for scientific investigation of a topic related to Health Science | I was unable to write a complete project proposal. I still have some questions about how to create a research question or develop a plan to answer my question. | I could not come up with a clear question for my project and/or develop a plan to answer my question. |
| **Research** | I can make detailed and relevant observations through the experimental process and/or research. A wide variety of sources were used to find information, including the internet, scientific journals, people, etc. and I documented my time and sources correctly using APA format. | I can perform research or an experiment that answers my question. I used a variety of sources and documented my time and my methods of research. | I can complete some research in attempt to answer my question. I had trouble finding reliable sources and/or enough sources. I still have some questions about how to perform quality research. | I had difficulty completing research. I was unable to use outside sources to answer my research question. |
| **Content** | I can provide detailed analysis of the data I collected through research and/or experiments. I can draw insightful conclusions based on the data I collected. My focus question has been answered with supporting evidence and I have given consideration as to where I could go next. I can communicate my findings with a high degree of precision and clarity. | I can provide explanations of the data I collected through research and/or experiments. I can draw conclusions based on the data. My focus question has been answered with supporting evidence. I can communicate my findings with clarity. | I can answer my question in basic detail using some research. I still have some questions about how to use my research to draw conclusions. | I had some difficulty making connections between data I collected and my research question. |
| **Collaboration** | I can work collaboratively with my peers to improve my research, experiments, content, and product. | I can use my feedback given from my peers to improve my content and product. | I can take feedback from my peers to know what I need to work on. | I had trouble using feedback from my peers to improve my project. |
| **Reflection** | I can reflect on my learning process and suggest ways that I could improve. I am able to make personal connections and significance to the content and the learning process. | I can reflect on my learning process to understand what I could improve on. There is evidence of personal connection and significance to the learning. | I can reflect on what I learned while completing the project. I still have some questions about how the information is personally significant to me. | I had trouble reflecting on my learning process. |