**Scientific Literacy Rubric**

**Revised 3/13/19**

A person who is competent in scientific literacy has the ability to apply the scientific method and related concepts and principles to make informed decisions and engage with issues related to the natural, physical, and social world. Scientific literate individuals can recognize and know how to use the scientific method, and to evaluate empirical information.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Excellent-4** | **Good-3** | **Acceptable-2** | **Needs Improvement-1** |
| **Formulate a hypothesis** | Formulates a testable hypothesis related to the problem. | Hypothesis is established but is not testable OR is unrelated to the problem. | Hypothesis is established but is not testable AND is unrelated to the problem. | Hypothesis is missing. |
| **Collect data** | Relevant data is collected with few or no errors. | Relevant data is collected with minor errors. | Relevant data is collected with a significant number of errors. | No relevant data is collected. |
| **Analyze data** | Data is analyzed with few or no errors. | Data is analyzed with minor errors. | Data is analyzed with a significant number of errors. | Data is not analyzed. |
| **Draw accurate conclusions based on data** | Conclusion drawn fully supports the scientific argument. | Conclusion drawn partially supports the scientific argument. | Conclusion drawn does not support the scientific argument. | Conclusion is missing. |

VWCC General Education Assessment Page 1