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| **Science Inquiry** |
| **Topic:** **6.2.1:** Explain the components of the scientific investigation (e.g., hypothesis, observation, data collection, data interpretation, communication of results, replicable) **6.2.4:** Use appropriate tools and techniques to gather and analyze data |
| **Grade: 6th Grade Science** |
| **Score 4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.** | **Sample Activities** |
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|  | **3.5** | In addition to score 3.0 performance, in-depth inferences and applications with partial success. |  |
| **Score 3.0** | **The student:*** Conducts a scientific experiment following the scientific method.
* Writes a testable if/then/because hypothesis.

**The student exhibits no major errors or omissions.** |  |
|  | **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content. |  |
| **Score 2.0** | **There are no major errors or omissions regarding the simpler details and processes as the student:*** Identifies the steps of the scientific method in order.
* Demonstrates knowledge of the steps of the scientific method.
* Determines what tools are most appropriate for gathering data (ruler, beaker, visual observations, tables, etc.)

**However, the student exhibits major errors or omissions regarding the more complex ideas and processes.** |  |
|  | **1.5** | Partial knowledge of the 2.0 content, but major errors or omissions regarding the 3.0 content. |  |
| **Score 1.0** | **With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.** |
|  | **0.5** | With help, a partial understanding of the 2.0 content, but not the 3.0 content. |
| **Score 0.0** | **Even with help, no understanding or skill demonstrated.** |