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| **Strand: Science – Force and Motion** | | |
| **Topic: Newton’s Third Law (FM3)** | | |
| **Grade: 7th Grade** | | |
| **Score 4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.** | |
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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 understands that objects in motion stay in motion unless acted on by an outside force.**   1. Understands that an object moves due to equal and opposite actions and reactions. 2. Recognizes the action and reaction in motion 3. Predicts the movement of an object when a force is applied. 4. Understand that when an object applies a force, the other object applies an equal and opposite force.   **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:**   * Recognizes or recalls specific terminology, such as:   1. Action   2. Reaction * Recognizes an object moves because of a force.   **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.** | |