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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.** |