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| **Physical Science** | | | |
| **Forces and Motion** | | | |
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| **Score 4.0** | **In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.** | |  |
|  | *Score 3.5* | *In addition to score 3.0 performance, partial success at score 4.0 content* |  |
| **Score 3.0** | The student will:  Apply Newton’s Laws to real-world scenarios  Describe motion with respect to displacement and acceleration  Describe Newton’s First Law  Make predictions based on Newton’s Second Law  Recognize that all forces occur in equal and opposite pairs, identified in Newton’s 3rd Law  Describe the Law of Conservation of Momentum  Describe gravity as a force that affects masses in relationship to size and distance between them | | **Sample Activities:**  Create a graphic organizer comparing Newton’s laws, including illustrations, description, and real world examples  Solve story problems predicting speed, velocity, acceleration and momentum |
|  | *Score 2.5* | *No major errors or omissions regarding score 2.0 content, and partial success at score 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:  Displacement, reference point, acceleration, inertia, force, mass, velocity | | **Sample Activities:**  Flashcards, bellringers, sporkle game, four square, |
|  | *Score 1.5* | *Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content* |  |
| **Score 1.0** | **With help, partial success at score 2.0 content and score 3.0 content** | |  |
|  | *Score 0.5* | *With help, partial success at score 2.0 content but not at score 3.0 content* |  |
| **Score 0.0** | **Even with help, no success** | |  |