

Name:

Motion Menu

Directions: *You have been studying the Laws of Motion, Speed, and Friction for a few weeks. Choose one of the following projects to demonstrate what you have learned so far.*

Choice #1: Physics Photos

As a world famous photographer, you have been asked to take as many pictures as you can that show Newton's Laws of Motion in action. Use a camera to safely take pictures that display Newton's Laws of Motion. Create a photo album or scrapbook that has a different section for each Law of Motion. Include captions or explanations to help the reader understand how the picture shows the Laws of Motion.

Choice #2: Colliding Collage

Use your artistic skills to create a collage that demonstrates each of Newton's Laws of Motion. Use pictures from magazines, the Internet, your own photos, and hand-drawings to create your collage. Include a short explanation of how your collage demonstrates Newton's Laws of Motion.

Choice #3: Sports Science

As a world record holding athlete, you have been asked to write a book, make a motivational speech or create a video to explain how the Laws of Motion have affected your performances in the sport. Select a sport or activity (common or not common) and research how the Laws of Motion affect athletes in that sport. Present your findings in a piece of writing, video, poster, or voice recording.

Rubric:

Target Outcome	Not Yet	Meets Standards	Exceeds Standards
Explain a concept with relevant facts, details, or examples		___ Student explains a concept with relevant details or examples from given resource	At least one of the following: ___ Student explains concept and expands with new examples and evidence ___ Student makes connections between past and/or current topics
Create a model that represents a scientific concept		___ Student can create an accurate model that demonstrates understanding of scientific concept	___ Student can create an accurate model that applies scientific concepts to show an advanced/detailed product.