

# newton's law

## Photography Project

### The Challenge

Newton's laws are hidden in plain sight all around you! Illustrate one of Newton's laws of motion with an original photograph. Accompanying the photograph will be an essay describing how the photograph illustrates Newton's law.

### Photograph Categories

Your photograph may either be a **natural** photograph, a **contrived** photograph, or a photograph with **multiple images**.

- **Natural** photos are those that involve everyday situations that may demonstrate a variety of physics concepts.
- **Contrived** photos are those that are set up to show a particular physics concept or related set of concepts.
- Photos with **Multiple Images** are those that have been manipulated with software to show multiple exposures in the photograph.

### Inspiration

The idea for this project came from the AAPT Photo Contest. Check out examples of photographs in each category here at the [AAPT Photo Contest website](#). If you use a photograph for inspiration, you must cite it in your essay.

### Project Guidelines

1. Photographs must be original works taken by the physics student who is turning in the project.
2. Photographs may be color or black and white.
3. Your project should be submitted as a two page PDF to your Google Assignment Turn In folder AND Turnitin.com in the following manner:
  - First page – the photograph
  - Second page - the Newton's Law Essay
4. **Size:** Your original photograph should be no larger than 8" x 10" and no smaller than 8" x 5". The jpeg file size must large enough so that the final product will not be pixelated, and small enough to be uploaded to Google Drive.
5. **Editing:** Photographs may be cropped for better composition. Minimal manipulation of digital images with the intention of accurately rendering the subject is acceptable e.g., small adjustments to brightness, color, color balance and/or sharpness, is acceptable.
6. Your photograph may have a caption. If so, the caption of your photograph must be the title of your essay.
7. **Essay:** Write an essay of 250 words or less explaining the category of the photograph and describing the physics in the photo. You must also include a brief explanation of the inspiration of your photograph. Additionally, your essay must have a title and must follow manuscript form.