Inquiry Question
Newton's three laws of motion can be easily memorized, but do you understand them? Can you create a comic strip that shows your understanding of these three laws?

Name: _____ Date: _____

Students are to draw a six frame comic strip that presents ONE simple story that happens to illustrate each of Newton's three laws.

As a review, here are the laws:

First Law

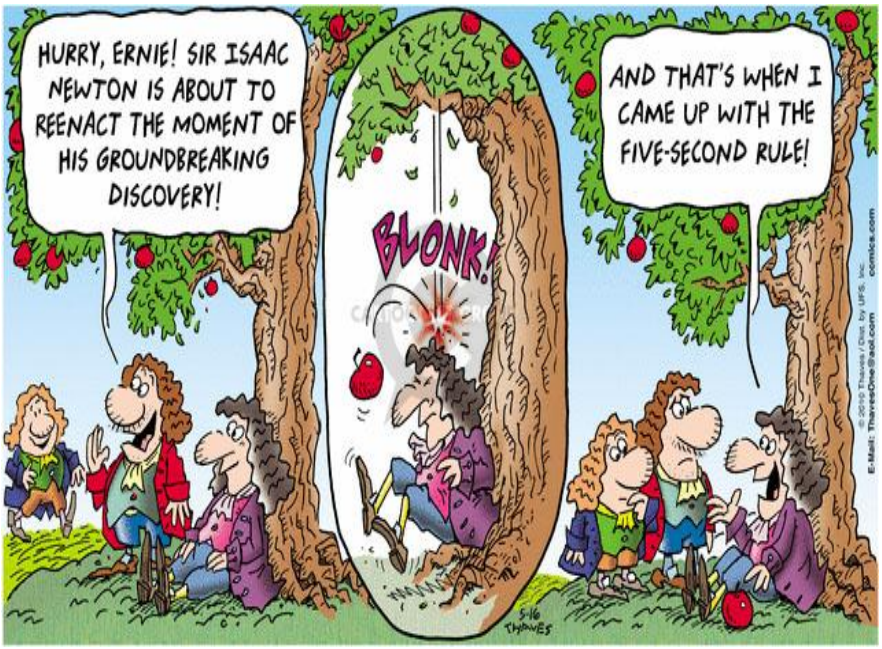
- *The first law says that an object at rest tends to stay at rest, and an object in motion tends to stay in motion, with the same direction and speed.*

Second Law

- *As the force gets larger, the acceleration also gets larger. If the force is held constant the acceleration will decrease as we push heavier and heavier masses.*

Third Law

- *The third law says that for every action (force) there is an equal and opposite reaction (force). Forces are found in pairs.*



General Instructions

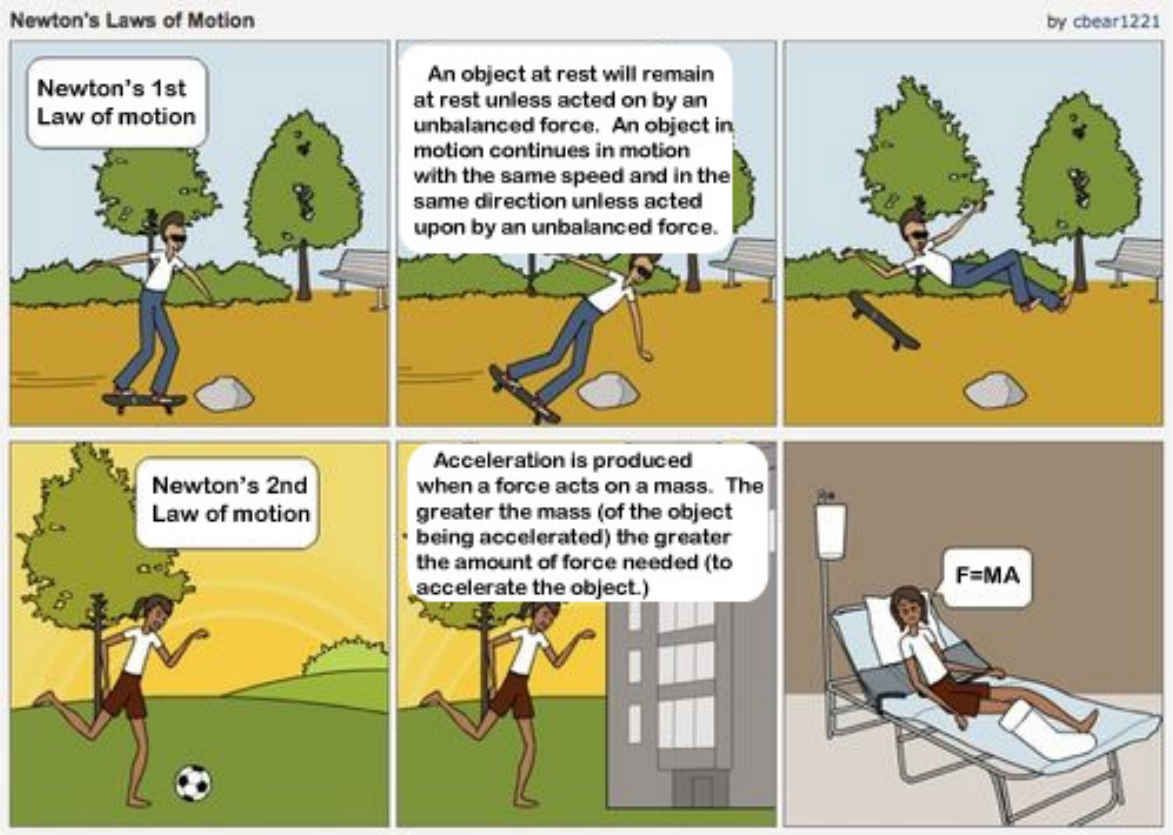
Students are to draw a six frame comic strip that presents ONE simple story that happens to illustrate each of Newton's three laws.

Materials you'll need:

- Your course notes
- The internet
- one or two sheets of white paper
- pencil and pencil crayons (or any other colouring tools)

Procedure:

- Creativity is important. Be original with your cartoon
- Make sure that your comic strip illustrates each of the three laws.
- Make sure your comic tells a story as it progressives from frame to frame.
- A sample showing the first two laws only is shown below. DO NOT USE THESE scenarios.



Ideas and Hints

- Make it so your story **illustrates** examples of each law. DO NOT simple have your characters state the laws.
- The characters can help assist the reader with dialogue to draw help draw attention to the law being illustrated.
- Be creative! Try to illustrate with humour - it is a comic after all.

Project submission:

- If you can drop-in to the school, you can present it to your teacher in-person. Otherwise, scan or take a photo and upload it to the project submission folder at the end of the unit.

Project Timing:

- In its most basic form, this project will take the average student 1 hour.

Inquiry Questions and Experimental Design:

1. Which law was the most difficult to illustrate? Why
2. What other media would be useful to illustrate the laws?
3. Could the addition of sound help with your comic? Why or why not?