

Grade 6 Science  
Week of March 8 – March 12




**Unit 3 Inquiry Project**

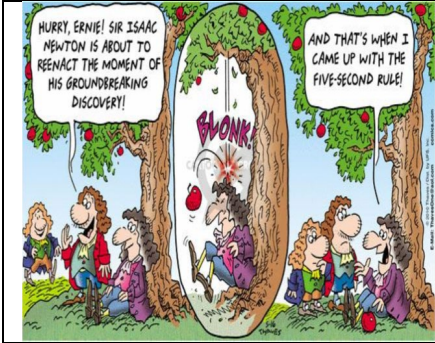


Explanation of Inquiry Projects: <https://youtu.be/NtE0es3r7CY>

**Instructions:**

- Select ANOTHER project for this unit from the list below. More details in the separate PDFs.
- Each project should be in **ONE** file (often a WORD document) where all data, pictures, scans, etc.....are inserted into this document. It should be clearly named and completed.

<p><b>NEWTON'S 1<sup>ST</sup> LAW</b></p>  <p><b>A BODY AT REST WANTS TO STAY AT REST.</b></p>	<p><b>Newton's First Law states that objects at rest tend to stay at rest while objects in motion tend to remain in motion. It is often called the "Law of Inertia". What does "inertia" mean? Can you design an experiment that proves this law?</b></p> <p>Topics: forces, inertia, Newton's Laws</p>
	<p><b>Why do some ©Hotwheels move faster than others? Can you create the ideal ramp to send a ©Hotwheel down fast? What conditions are necessary to send the car far? Test your powers of observation. Design an experiment and play.</b></p> <p>Topics: forces, inertia, dynamics</p>
	<p><b>Do you have the makings of a future "Rocket Scientist"? Can you design and build a simple rocket so that it effectively completes a given task?</b></p> <p>Topics: forces, Newton's Laws, rockets</p>



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?

Topics: forces, inertia, Newton's Laws



Can knowledge of Newton's Laws help you win "Jenga"? Let's build a game of "Physics Jenga" and observe Newton's Laws in action

Topics: inertia, physics, Newton's Laws