

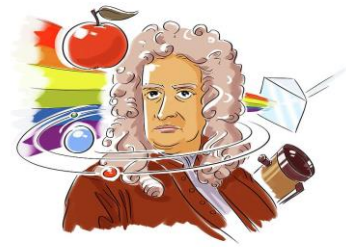
## FORCE: Gravity and Motion (K-2)

### The SCIENCE of FORCE:

**Force** is a push or a pull on an object.



Earth's **gravity** is what keeps objects – including you – on the ground.

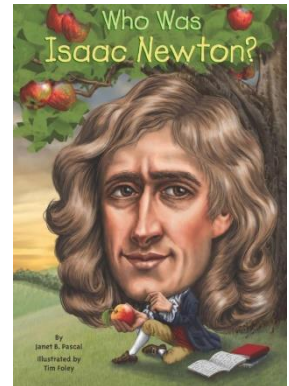


Sir Isaac Newton wrote the three **Laws of Motion**

### READ:

[Who was Isaac Newton?](#) by Janet Pascal introduces kids to one of the greatest scientists ever known.

Don't have this book at home? There are lots of books you can find about [Newton's Laws of Motion](#) online.



### ACTIVITY: EGG DROP

Materials: 1 egg, water, 1 empty toilet paper tube, 1 pie tin, 1 large drinking glass



1. Fill the glass  $\frac{3}{4}$  with water
2. Place a pie tin right side up on top of the glass
3. Balance a toilet paper tube up in the middle of the pan
4. Place the egg on top of the tube on its side
5. "Karate chop" the pie tin away and watch the egg fall into the glass of water!

**NOTE** – make room for the tin to fly away safely. Sometimes the egg might break. Maybe use a plastic egg or ping pong ball instead.

**What is happening?** Objects at rest don't want to move – so the egg wants to keep resting when you knock the tin away. Then gravity kicks in and the egg drops into the water.

For step-by-step instructions, watch the video at: [Egg Drop STEM](#)

*This at-home educational activity is from the Literacy Coalition of Palm Beach County's literacy-based Stories & STEM program. Stories & STEM is made possible with support from Prime Time Palm Beach County, Inc., which receives significant funding from the Children's Services Council of Palm Beach County, Inc.*

*Having fun? Send pictures or video links of you and your Stories & STEM projects to [csharkey@literacyabc.org](mailto:csharkey@literacyabc.org)*