

# POP! TEACHER RESOURCE



Lesson Plan



## The Effects of Gravity

Lesson Plan for *Gravity*

Grade 1

### Objective

To help students compare and contrast a text and a video about how gravity affects matter.

### Things Needed

- *Gravity* book
- Access to the “Gravity” web page on the Pop! website:  
<https://popbooksonline.com/science-all-around/gravity>
- Access to the “Science Trek: Gravity” video listed on the “Explore Links” tab of the Pop! web page. This video can also be found here:  
<https://tpt.pbslearningmedia.org/resource/idptv11.sci.phys.maf.d4kgrav/gravity/>

### Before the Activity

Read *Gravity* out loud to students. Then open the “Gravity” web page in your internet browser. Pull up the “Explore Links” tab and click the “Science Trek: Gravity” link to open the video.

### Activity

To start, review what gravity is. Open the *Gravity* book to Chapter 2 (“Matter”). Students should use this chapter to answer the following questions:

- What is matter? (Answer: Matter makes up everything that exists. Matter takes up space.)
- What does gravity do to matter? (Answer: Gravity pulls matter together.)
- What is mass? (Answer: Mass is the amount of matter in an object.)
- Is the pull of gravity on objects with large masses strong or weak? (Answer: strong)
- Is the pull of gravity on objects with small masses strong or weak? (Answer: weak)



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Then, watch the “Science Trek: Gravity” video. Ask students the following questions:

- What information did we already know about gravity from the book? (Possible Answers: Mass is the amount of matter in an object; gravity is the force that pulls two objects with mass together; matter takes up space; the greater the mass of the object, the greater the pull from gravity; etc.)
- The *Gravity* book describes how Earth’s gravity pulls the moon around it. Based on the video, what other things does gravity do? (Possible Answers: The moon’s gravity causes tides; Earth’s gravity pulls rain and snow from clouds; Earth’s gravity affects astronauts traveling to or in space; gravity affects how stars and planets are formed; Earth’s gravity can cause loose rocks to fall; etc.)

### **Evaluation**

Could students answer questions about gravity based on the information in the book?  
Could they identify the similarities and differences between the book and the video?

### **Standards**

This lesson plan may be used to address the Common Core State Standards’ reading standards for informational texts, grade 1 (RI 1.6).

