

Fun with Gravity and Climate

By Dawn Quarles and Schoolhouse Writers

Gravity

Introduction

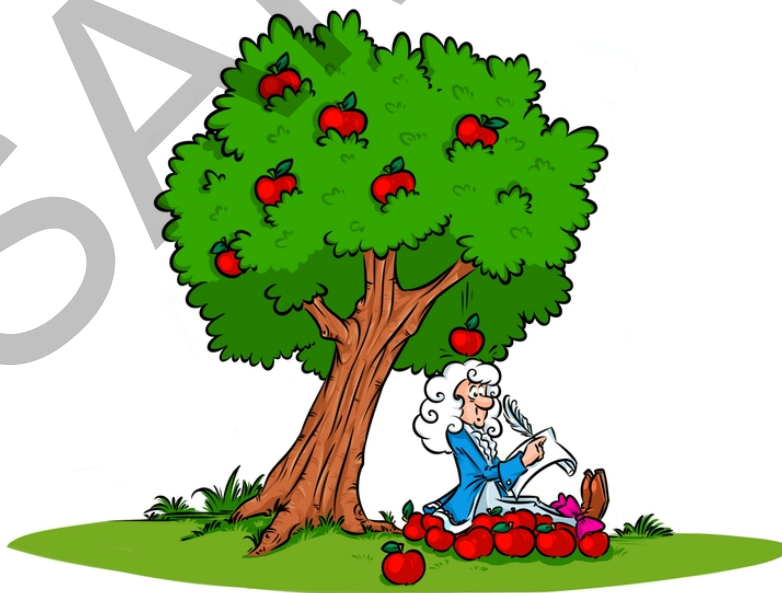
These lessons include weekly Bible reading to help children see a Biblical perspective as well as complete multiple activities to reinforce their understanding. Each week, students will be completing tasks such as printable activities, conducting research, creating projects based on their research, and a weekly experiment.

Format

The course is designed as a three-day-per-week course. The first day will introduce the content. The second and third days will be an activity related to the weekly theme such as an experiment, a creative writing assignment, or another hands-on activity.

By the conclusion of this course, students will be able to:

- Discuss contributions of Sir Isaac Newton to science
- Explain the Law of Gravity
- Demonstrate the relationship of force to gravity
- Show how force and motion work together
- Conduct scientific experiments that relate to the principles of gravity, force, and motion



Week 1: Sir Isaac Newton

Day 1

Read Genesis 1:1. Discuss the scripture. Since the very beginning, gravity has been in place because Earth was created amid the heavens. Download and print the page borders from the activity pack to write this verse in your best handwriting. Draw a picture of Heaven and Earth.

Today, let's create a chart called a K-W-L. We will use this as we study gravity and climate throughout this course. On a large piece of paper, create a chart similar to the one below.

What I <i>KNOW</i>	What I <i>WANT</i> to <i>Know</i>	What I have <i>LEARNED</i>	Questions I still <i>have</i>

Fill in the first two columns of the chart you created. Write anything you already know in the first column and anything you want to know in the second column. Write as much as you can think of!

As you go through this unit, continue to add to this chart each day that you work on an assignment. By the end of the unit, you will have a summary of everything you have learned!

Day 2

Download the Isaac Newton word mat from the activity pack. Research the significance of each of the elements on the mat. This will help you build a clear picture of Sir Isaac Newton! Add new information that you learn to the third column in your K-W-L chart.

Day 3

The legend is that Sir Isaac Newton discovered gravity when an apple fell from a tree. Imagine you are a news reporter interviewing him. Write an article about that interview. Use some of the facts you learned for the information in your questions or answers.