

NEWTON'S LAWS OF MOTION




BASEBALL GAME



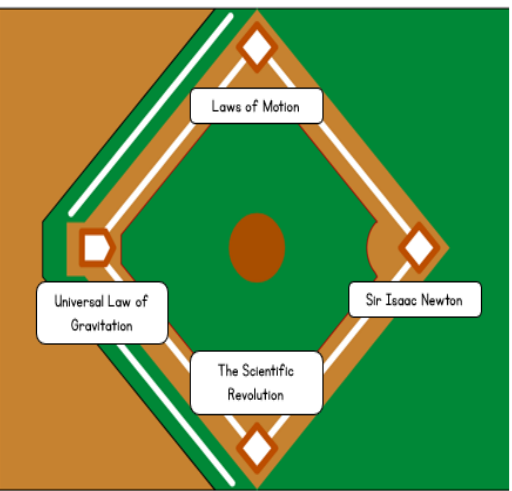
VIRTUAL Field trip



Let's Play Ball!



As you collect stickers from each slide with a baseball symbol, you will copy (ctrl + C) the sticker and then paste (ctrl + V) it on the correct label on the baseball diamond. Once you've completed the presentation, you've made a home run!



The diagram shows a baseball diamond with four bases. Each base has a white label: 'Laws of Motion' at the top base, 'Universal Law of Gravitation' at the left base, 'The Scientific Revolution' at the bottom base, and 'Sir Isaac Newton' at the right base. The diamond is green with brown bases and a brown pitcher's mound in the center.

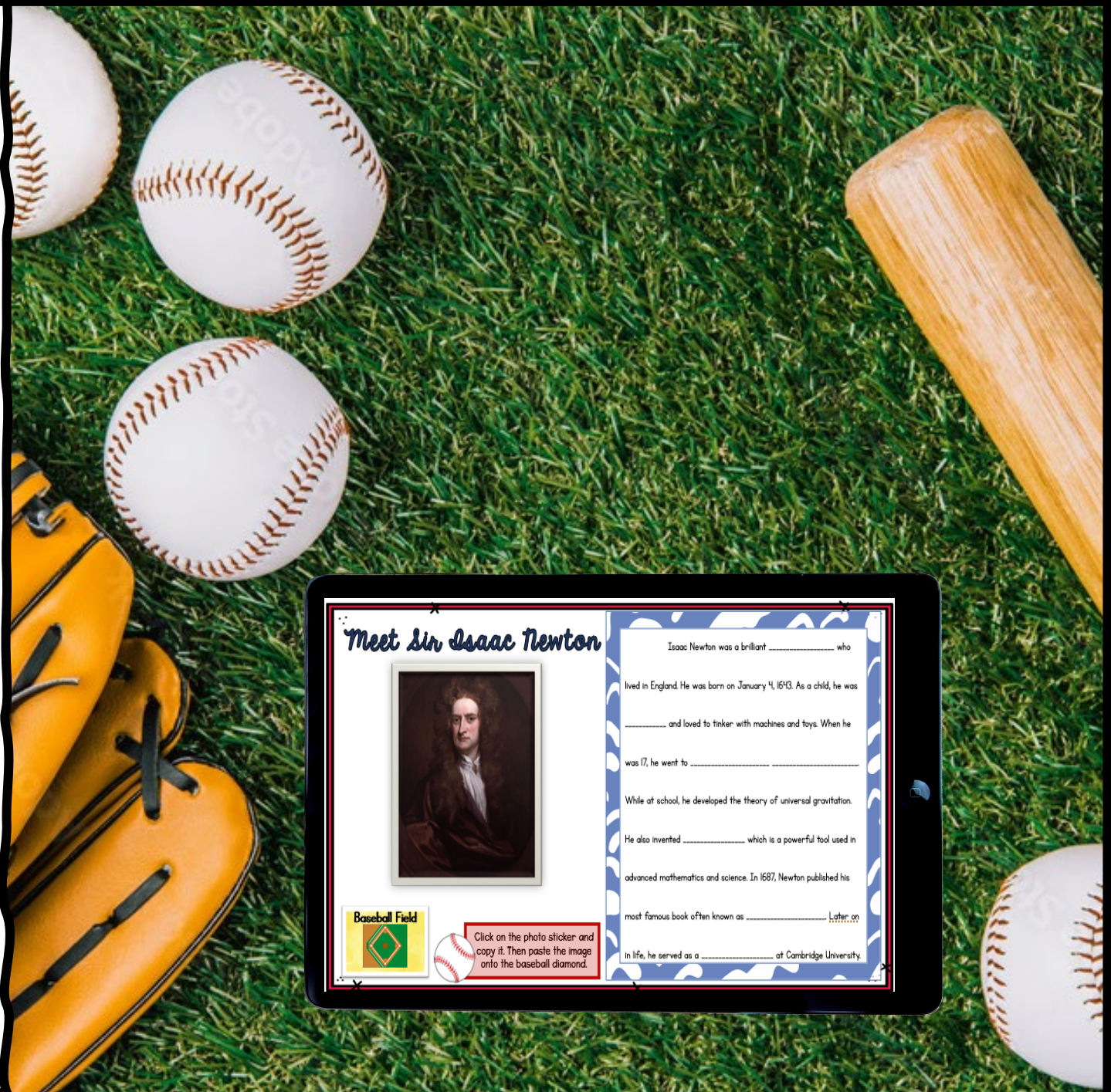
STEP UP TO THE PLATE!

Gather stickers along your learning adventure to display your grand slam of knowledge!




EMBARK ON A JOURNEY OF DISCOVERY

Explore the remarkable life
and genius of Sir Isaac
Newton!



Meet Sir Isaac Newton



Isaac Newton was a brilliant who lived in England. He was born on January 4, 1643. As a child, he was and loved to tinker with machines and toys. When he was 17, he went to

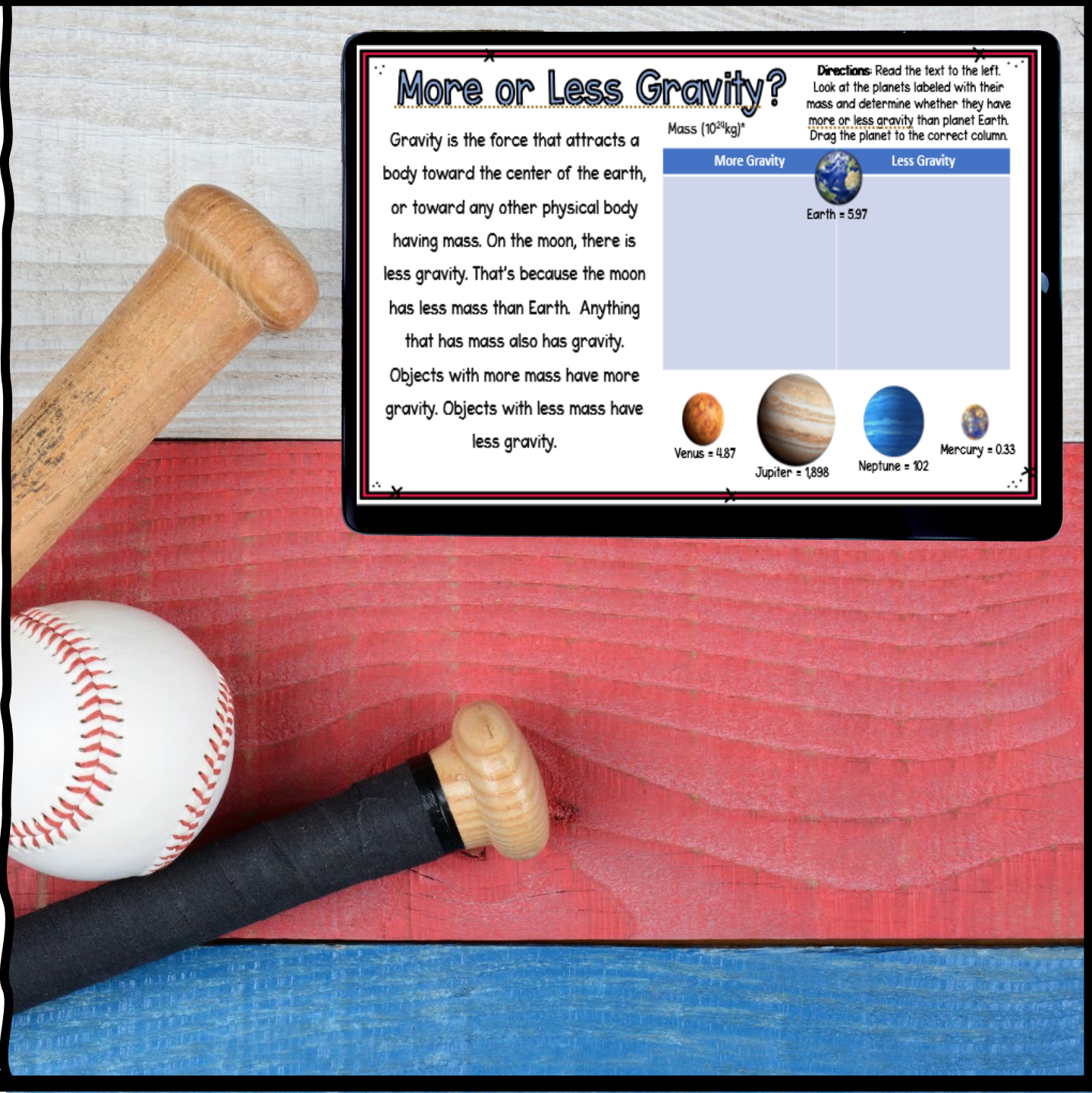
While at school, he developed the theory of universal gravitation. He also invented which is a powerful tool used in advanced mathematics and science. In 1687, Newton published his most famous book often known as Later, on in life, he served as a at Cambridge University.

Baseball Field

Click on the photo sticker and copy it. Then paste the image onto the baseball diamond.

UNRAVEL THE MYSTERIES OF THE COSMOS






Delve into the law that connects the entire universe- gravity!



More or Less Gravity?

Gravity is the force that attracts a body toward the center of the earth, or toward any other physical body having mass. On the moon, there is less gravity. That's because the moon has less mass than Earth. Anything that has mass also has gravity. Objects with more mass have more gravity. Objects with less mass have less gravity.

Mass (10^{24} kg)*

More Gravity	Less Gravity
	 Earth = 5.97
 Venus = 4.87	 Jupiter = 1,898
	 Neptune = 102
	 Mercury = 0.33

Directions: Read the text to the left. Look at the planets labeled with their mass and determine whether they have more or less gravity than planet Earth. Drag the planet to the correct column.

Newton's First Law of Motion

Newton's first law of motion says an object at rest stays at rest.



An object in motion stays in motion with the same speed and in the same direction unless acted upon by an unbalanced force.

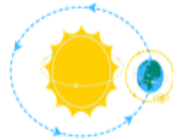
UNLOCK THE SECRETS OF MOTION

Dive into the fascinating world of Newton's Laws of Motion!

Take Me Out to the Ball Game!

Cause

A pitcher throws the ball and gravity pulls the ball downward.



Effect



The fielder must use force to jump and work against gravity to catch the ball.



Gravity helps the player to stay low when running the bases.



SWING INTO ACTION

Discover how Newton's Laws of Motion power every pitch, hit, and catch in baseball!

Suggested Uses

- Assign in Google Classroom or SeeSaw
- Whole Class Activity
- Small groups or center
- Early Finisher
- Incentive or Fun Friday

Google Slides and SeeSaw



Looking for More?

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Click the picture
to preview!