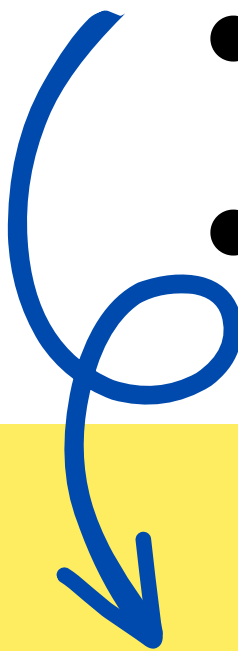


Complete Newton's 1st Law Bundle

- Lesson
- Worksheets
- Activities
- Assessment



SCROLL
to take a look inside!

Newton's 1st Law of Motion: Lesson, Worksheet, & Activities Bundle

- Teaching Timeline
- Grade 6-8+

- Lessons
- Worksheets
- Activities
- Assessments



1 Fully Editable & Engaging Lesson and Worksheets

Videos embedded directly in your lesson

Three Included Quick Labs

Activity 3: Chair Push and Friction Investigation

Objective:

Students will explore how balanced and unbalanced forces affect an object's motion by testing how a chair moves under different conditions.

Materials:

- Lightweight chair
- Stopwatch
- Measuring tape
- Stopwatch (optional)

Instructions:

1. Place the chair
2. Push the chair and time.
3. Repeat the push
4. Have one student
5. Repeat with different
6. Record all data
7. Answer the following questions:
 - How do
 - How do
 - Where:

Activity 2: Balloon Rocket Motion Test

Objective:

Students will analyze how unbalanced forces change the motion of an object using a balloon rocket system.

Materials:

- Balloon
- Drinking straw
- String (2–3 meters)
- Tape
- Chairs or other supports to tie string across

Instructions:

1. Thread the straw onto the string. Stretch the string between two chairs so it is taut.
2. Inflate the balloon without tying it and tape it to the straw.
3. Hold the balloon at one end of the string, release, and observe its motion.
4. Repeat with different balloon sizes (small, medium, large) and record how far it travels.
5. Record observations about speed, distance, and force.
6. Answer the following reflection questions:
 - Why does the balloon move forward when the air rushes out?
 - What role do balanced vs. unbalanced forces play in this activity?
 - How does balloon size affect motion?

Google Access

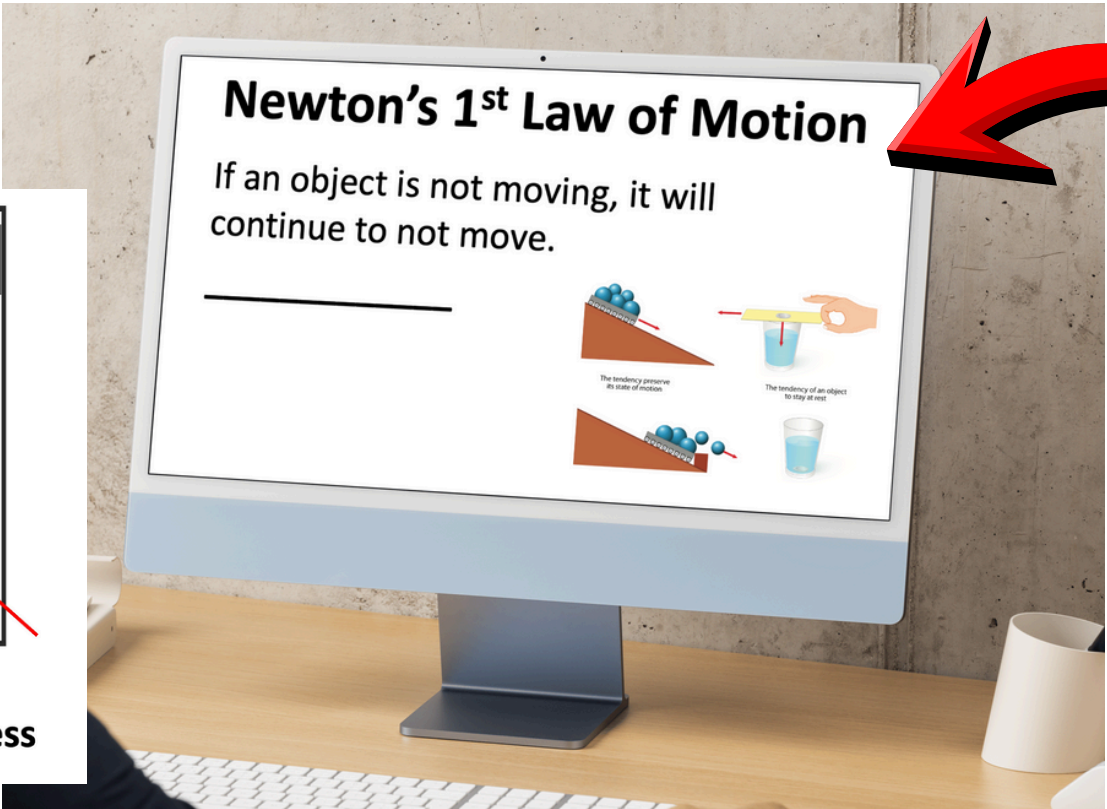
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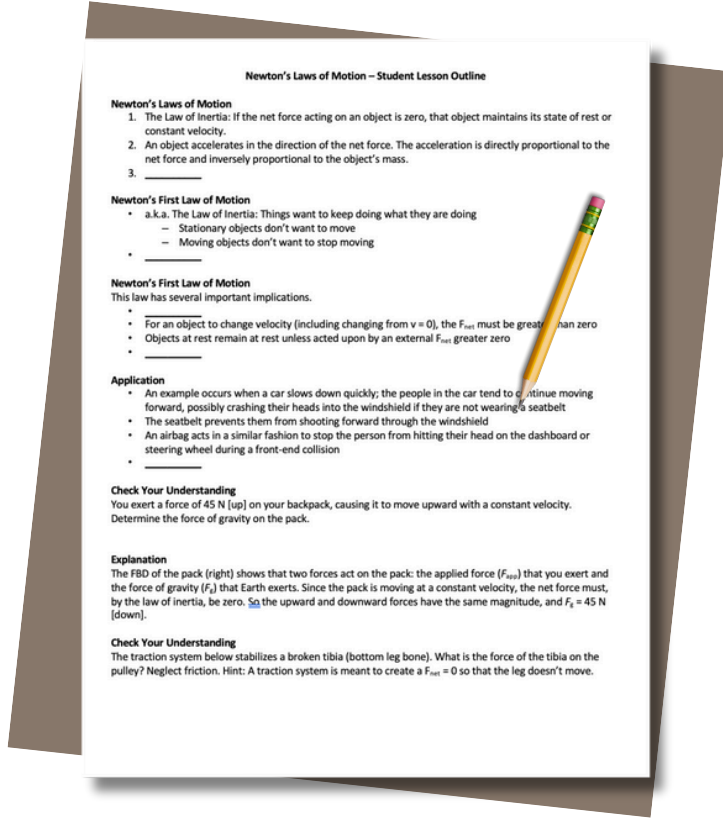
TWF

Google Classroom Ready
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Student Notes

Student & Teacher Versions



Engaging Activities & Worksheets



 Newton 1st Law of Motion

➤ STEM Investigation



Newton's 1st Law of Motion Worksheet Bundle



✓ Newton's 1st Law Case Study - Bus Stop Surprise



Newton's First Law of Motion - Video Worksheet

NO PREP

Just Download and Teach

NEWTON 1ST LAW OF MOTION STEM INVESTIGATION

Penny and Index Card Inertia Test: Newton's 1st Law STEM Investigation

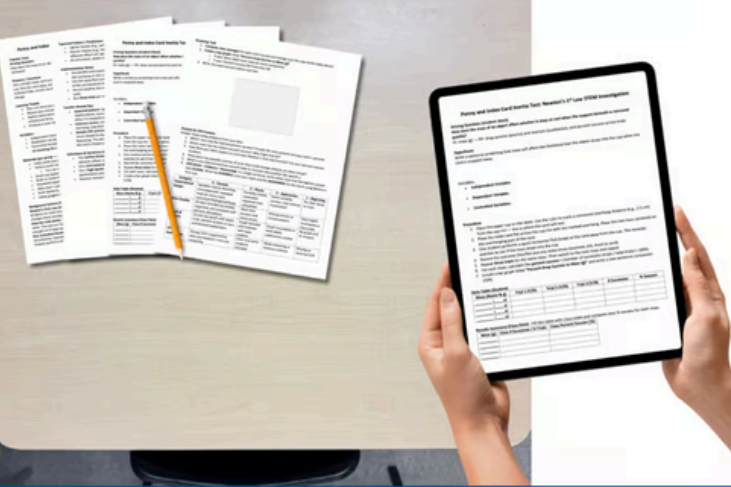
Teacher Copy
Driving Question
How does the mass of an object affect its tendency to remain at rest when the support beneath it is quickly removed?

NO PREP

Full investigation breakdown

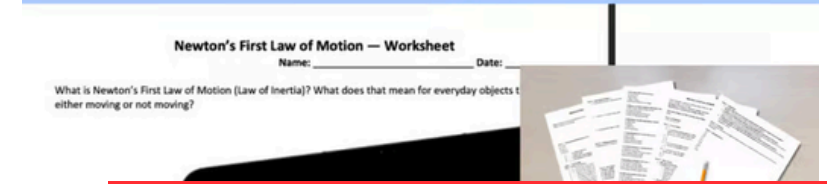
FULLY EDITABLE AND READY-TO-GO INVESTIGATION

Complete Key Included



GREAT FOR TEACHING THE SCIENTIFIC METHOD

Newton's 1st Law of Motion Worksheet Bundle



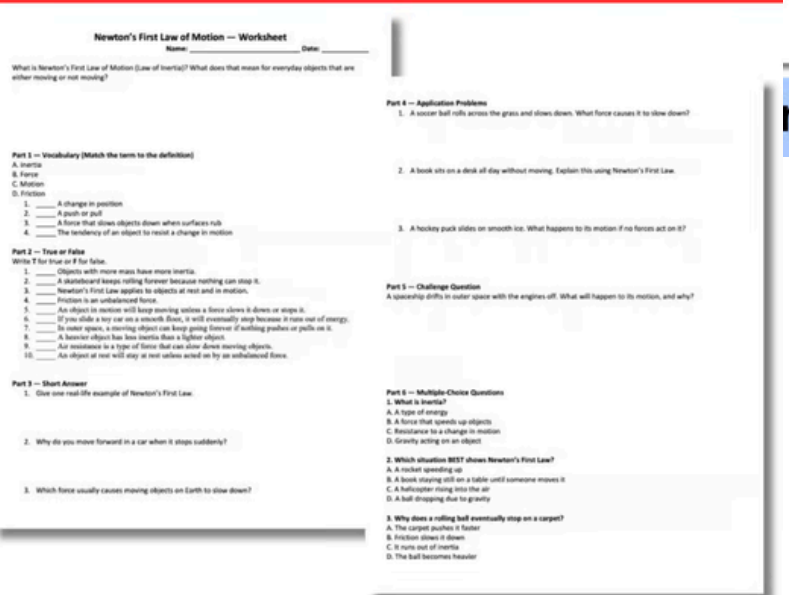
NO PREP
Just Download and Go!

Vocabulary Matching

True and False

Multiple Choice

Great for Review, Practice, or Sub-Plan



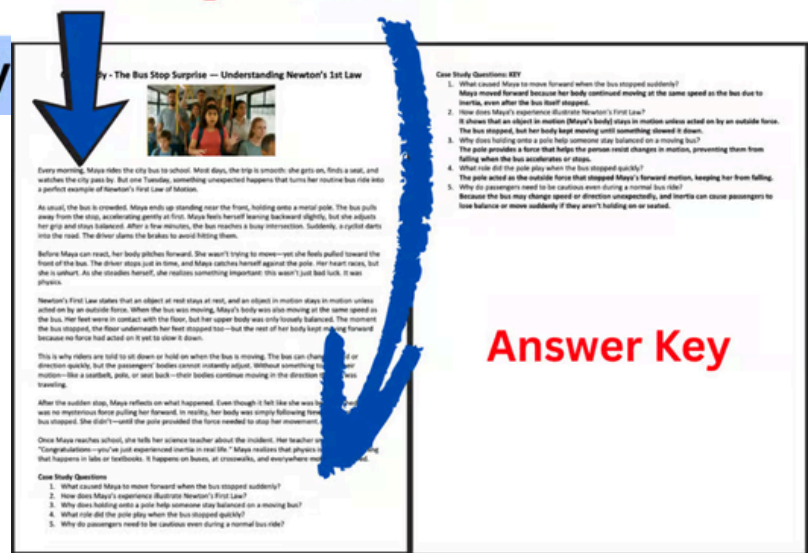
Case Study Newton's 1st Law: The Bus Stop Surprise



Build your students' scientific literacy, apply science to real-world issues, and stay prepared with a no-prep reading.

- ✓ Tackle literacy and science by having your students read and answer questions from a scientific case study.
- ✓ No prep, no formatting, no issues. Simply download, print (or upload to your class site) and you're all set.

Reading & Questions



Answer Key

Newton's First Law of Motion

- ✓ Teaches: Newton's 1st Law of Motion including Theory, Applications, and Student Activities.
- ✓ Ideal for Middle School Science
- ✓ No-Prep Resource





Sir Isaac Newton

Newton's 1st Law of Motion

Isaac Newton came up with three laws that help us understand how things move.

The first law states that if the net force acting on an object is

Newton's 1st Law of Motion

If an object is not moving, it will continue to not move.

Newton's 1st Law of Motion

If an object is not moving, it will continue to not move.

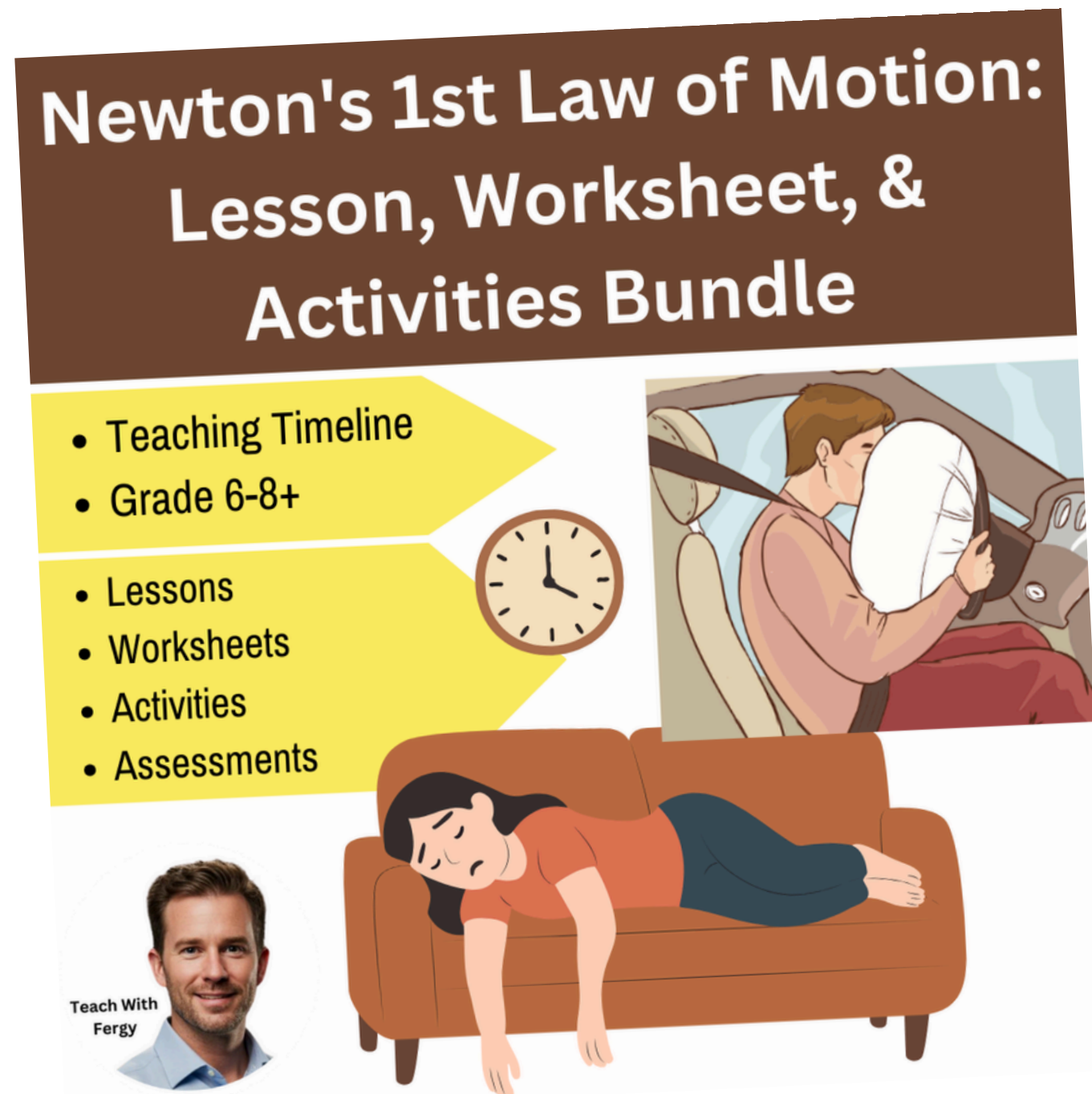
If it is moving, it will continue to move with the same speed in the same direction.



Exactly into class.

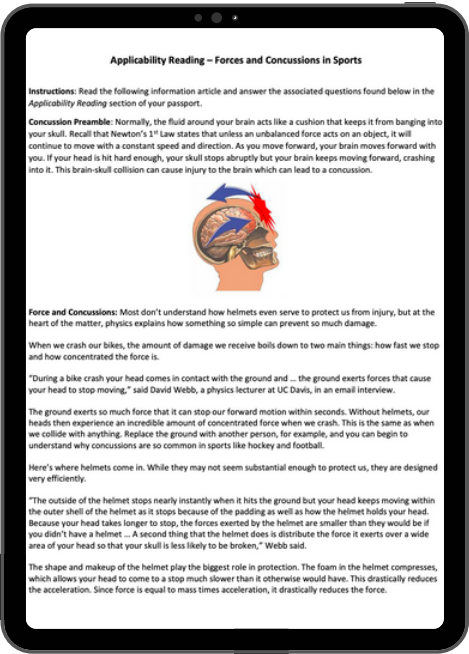
BY THE END OF THIS BUNDLE, STUDENTS WILL UNDERSTAND

- What a force and net is
- Newton's First Law of Motion
- Inertia and how it affects objects at rest and in motion
- Why unbalanced forces are required to change motion
- Effects of friction and air resistance on motion
- Real-life examples of the Law of Inertia
- Seat belts and airbags as applications of Newton's First Law
- How to plan and carry out a controlled investigation
- How to record trial data and calculate percent success
- How to construct a Claim-Evidence-Reasoning (CER) explanation relating mass and inertia using Newton's First Law



Editable and Interactive

Office, Google,
and PDF Versions
Fully Editable



Hands-on and
Interactive Activities

Engaging and Colorful Lesson

