

Newton's 3rd Law of Motion Lesson Bundle

- Teaching Timeline
- Grade 6-8+
- Lessons
- Worksheets
- Activity
- Assessments



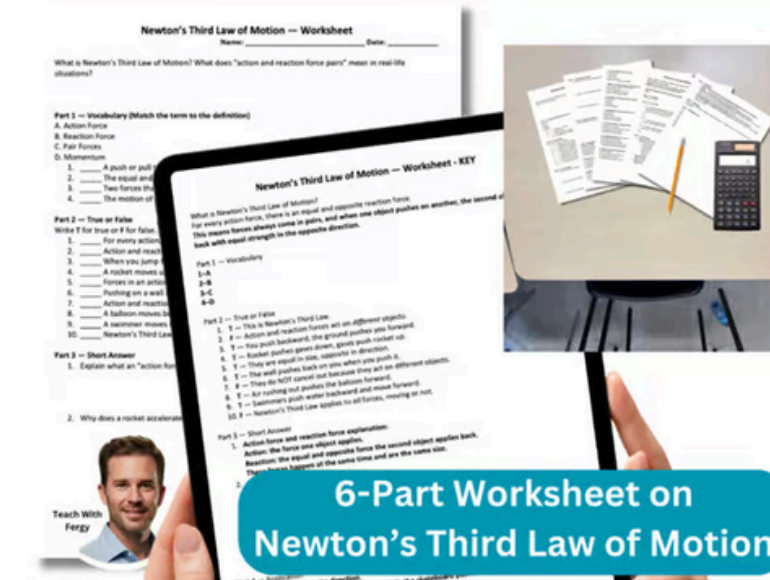
Also Includes

Case Study
Newton's 3rd Law: Why You Don't Jump off Boats



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

Newton's 3rd Law of Motion Worksheet Bundle



SCROLL

to take a look inside!



HOW THIS LESSON HELPS YOU

- **Saves Prep Time** - Everything is pre-made, ready to go, and fully editable.
- **Provides Built-In Assessments** - The worksheet lets you quickly check for understanding.
- **Provides Applicability** - the lesson includes multiple examples of real-life applications.

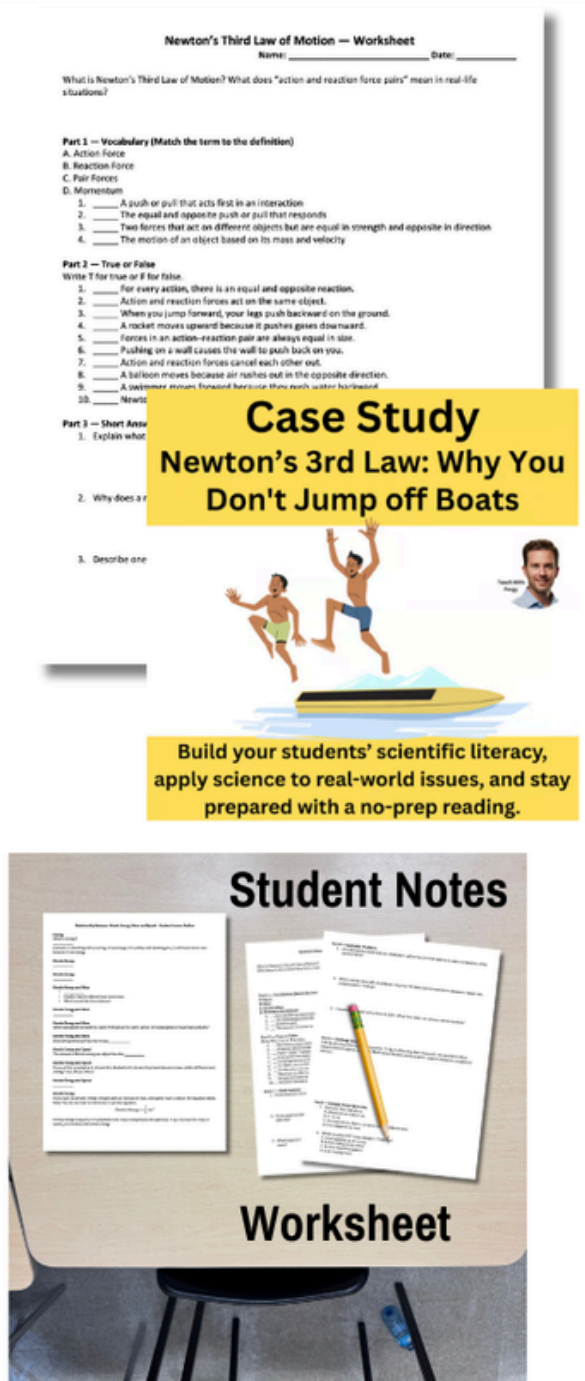
NO PREP

✓ **Simply Download and Project/Upload** to your class site.

✓ **Assessment Included**
Worksheet, STEM Investigation, & Case Study

✓ **Interactive & Video-Enhanced**

✓ **Google, Office, & PDF**

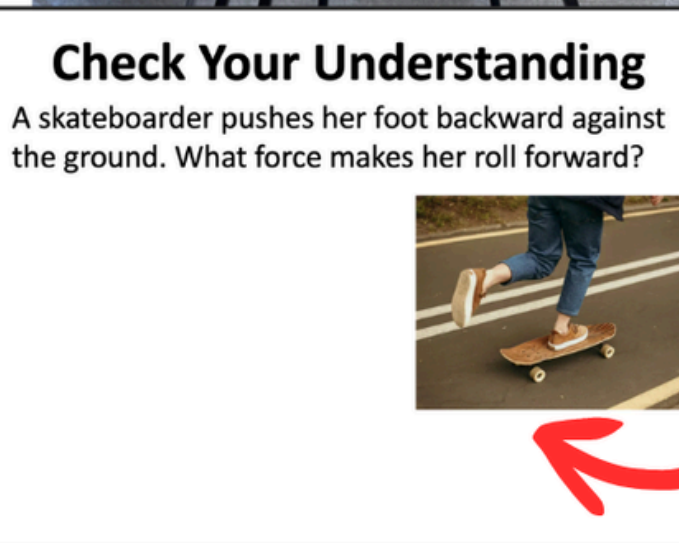
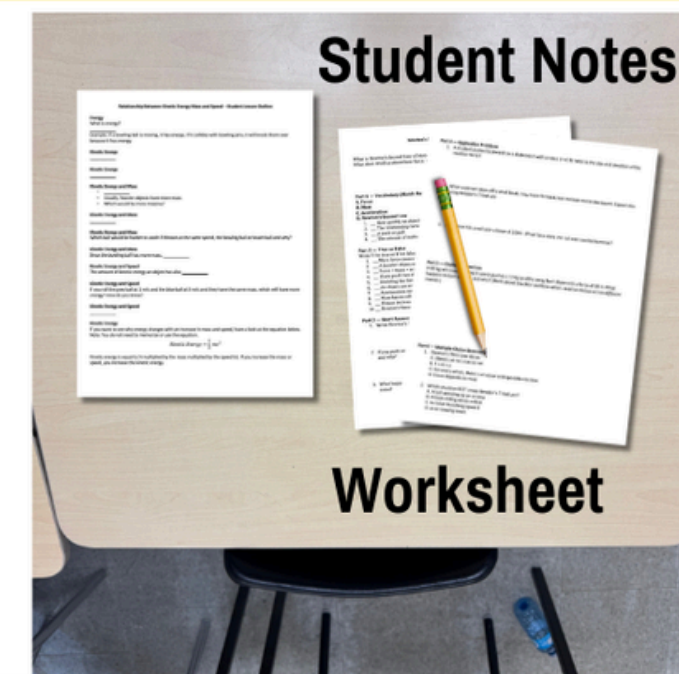


- ★ A Complete, Fully-Editable Lesson & Student Notes
- ★ Teacher and Student Versions of your Lesson with Embedded Videos
- ★ Worksheet and Case Study

What You Get

NEWTON'S 3RD LAW OF MOTION

TEACHER & STUDENT VERSION

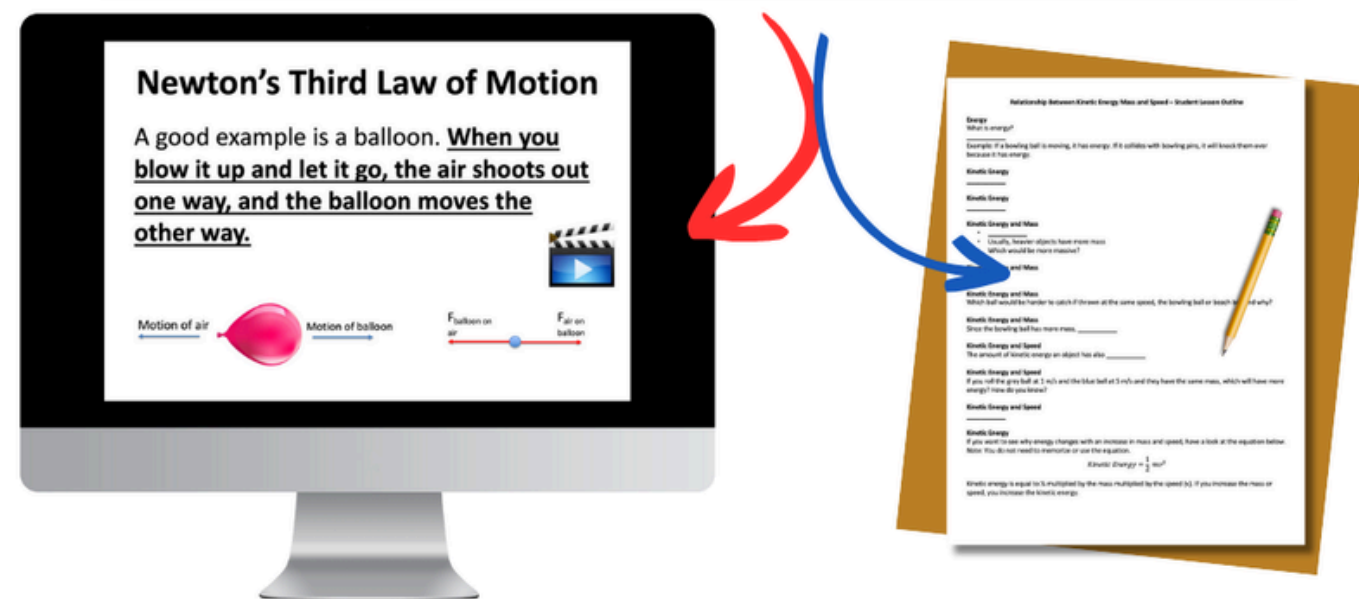


Opportunities for students to check their understanding.

What Will Your Students Learn?

- ✓ Newton's 3 Laws Summary
- ✓ Newton's Third Law of Motion
 - For every action there is an equal and opposite reaction force.

Videos Embedded & Student Notes



STEM Investigation + Google, PDF, & Office



- ✓ Action and Reaction Forces
- ✓ Force and Acceleration
- ✓ Real-World Examples
- ✓ Practice Questions



Your Lesson

Newton's Third of Motion – Student Lesson Outline

Newton's Third Law of Motion

1. The Law of Inertia: If the net force acting on an object is zero, that object maintains its state of rest or constant velocity.
2. An object accelerates in the direction of the net force. The acceleration is directly proportional to the net force and inversely proportional to the object's mass.
3. _____

Newton's Third Law of Motion

- For every force you put on something, it pushes back with the same amount of force in the opposite direction.
- _____

Newton's Third Law of Motion

A good example is a balloon. _____

Application

- A rocket pushes fuel backward, and the fuel pushes the rocket forward
- This works even in space with no air
- _____

Seat Belt and Airbags

- _____
- Your body pushes against the seat belt or airbag, and they push back on you with an opposite force

Seat Belt & Airbags

That opposite force is what slows you down safely instead of letting you fly.

Check Your Understanding

When a rocket pushes gas out of its nozzle, what happens to the rocket?

Check Your Understanding

A skateboarder pushes her foot backward against the ground. What force makes her roll forward?

Check Your Understanding

A swimmer pushes backward on the water with a force of 50 N. According to Newton's 3rd Law, how much force does the water push back on the swimmer?

Check Your Understanding

During a launch test, a balloon pushes air backward with 18 N of force. If friction pushes back on the balloon by 3 N, what is the net forward force on the balloon?



Student Notes in Word

1-Click Google Access

Teacher and Student Versions of the Lesson

Google Access

Thank you for your purchase. Clicking the link button below will automatically create a copy of the Google resources and place them into your Google Drive. You'll find the folder inside the 'Shared with me' section on the left side of your Drive.

Important: Before you click, make sure you're signed in to the Google account you'd like the resources placed into. If the resources are added to the wrong account, simply sign out and then into the correct one and repeat the process.

Click here to place a copy of your resources into your Google account

Google Classroom Ready One-Click Google Slides Access

NEWTON'S 3RD LAW OF MOTION TEACHER & STUDENT VERSION

Student Notes

Worksheet



Check Your Understanding

A skateboarder pushes her foot backward against the ground. What force makes her roll forward?



Opportunities for students to check their understanding.

Videos Embedded & Student Notes



Videos embedded in your slides

Upgrade to the Physics Mega Bundle

Get the lesson, teaching timeline, plus additional activities, and assessments inside the Physics Mega Bundle.

PHYSICS COMPLETE CURRICULUM

Newton's Third Law of Motion

- For every action force, there is a simultaneous reaction force equal in magnitude but opposite in direction.
- For every action, there is an equal and opposite reaction**
- When a balloon is inflated and released, air rushing from the balloon causes it to fly off in the opposite direction.

Daily Teaching Schedule

Print & Digital

Save You Hours of Prep and \$\$

DAILY TEACHING SCHEDULE FOR ALL UNITS

Day 1:

- Teach - Lesson 1 - One Dimensional Motion - Part 1
- Complete Student Notes
- One Dimensional Motion HW
- HW
- Any questions you didn't complete

Day 2:

- Teach - Lesson 1 - One Dimensional Motion Part 2
- Speed Challenge
- HW
- Complete Speed Challenge

Day 3:

- Teach - Lesson 2 - Two Dimensional Motion Part 1
- Two Dimensional Motion HW
- HW
- Complete Two Dimensional Motion HW

Day 4:

- Teach - Lesson 2 - Two Dimensional Motion Part 2
- Complete any outstanding HW questions

Day 5:

- Lab Station Activity - 1 and 2 Dimensional Motion

Day 6:

- Teach - Lesson 3 - Relative Motion
- Work Period - Lesson 3 - Relative Motion
- Students are to complete any outstanding HW questions plus any you see fit to assign
- It is also a day to answer any questions
- HW
- Complete any outstanding questions

★★★★★ Extremely satisfied - This is a wonderful resource. I am a first time physics teacher after being in the math classroom for 25 years. This resource gave me a road map for the upcoming year. Instead of being nervous, now I am excited. So far, the 5E lessons are my favorite! Also, I really like the fact that the bundle includes 11th and 12th grade materials. I can use this to differentiate instruction, remediate some and challenge others. Well worth the investment!

EVERYTHING YOU NEED

- ✓ Daily Teaching Timeline
- ✓ Interactive Lessons in Print & Digital
- ✓ 5E Lesson Bundles, Activities, & Assessments
- ✓ Complete 11th and 12th Grade Physics Units
- ✓ Space Unit, Optics Unit, & Electricity Unit

Motion (Kinematics) Unit

Forces Unit

Electricity and Magnetism Unit

Space Unit BUNDLE

Light and Waves Senior Physics Unit

Over 850 Units Sold on TPT!

★★★★★ Extremely satisfied - This bundle is super simple to just pick up and teach. As a first year teacher I was hesitant to spend so much on something, but my Grade 12 Physics class loved the slides and activities in this unit. I also love that it's growing!

★★★★★ Extremely satisfied - There is SO much here. This is a huge resource. Finding quality physics curriculum can be difficult. This is extremely well done. It is well worth the money and I highly recommend this curriculum.

Physics Curriculum BUNDLE

- ✓ Complete Physics Curriculum
- ✓ Day-by-Day Teaching Walkthrough
- ✓ Interactive 5E Lessons & Labs
- ✓ Google & Microsoft Compatible

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and then choose what you teach!

thanks
**for your interest
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