

NGSS MS-PS2-1

Curriculum Bundle

Newton's Third Law & Collisions

- ✓ 1 Lesson and 4 Activities
- ✓ Everything You Need to Teach NGSS MS-PS2-1



Resources Included

✓ **1 Lesson**

✓ **4 Activities**

- Newtons Laws of Motion – Lesson
- Newton's Laws Identification Worksheet
- Newton's Third Law and Colliding Objects - Activity
- Crash Course Video Worksheet Newtons Laws
- Isaac Newton - Reading

Newton's 3 Laws of Motion
Lesson MS-PS2-1 & MSPS2-2

Included in your Lesson:

- Forces and Net Force
- Newton's First Law
- Newton's Second Law
- Newton's Third Law
- Multiple Applications for Each Law
- Student Worksheet

Middle School 20 N → 1 kg ← 10 N



Newton's Third Law and Colliding Objects Activity

NGSS MS-PS2-1

Students design a solution to a problem involving the motion of two colliding objects.

NGSS MS-PS2-1

TWF



Everything You Need to Teach

NGSS MS-PS2-1

Newton's 3 Laws of Motion Lesson MS-PS2-1 & MSPS2-2

Included in your Lesson:

- Forces and Net Force
- Newton's First Law
- Newton's Second Law
- Newton's Third Law
- Multiple Applications for Each Law
- Student Worksheet



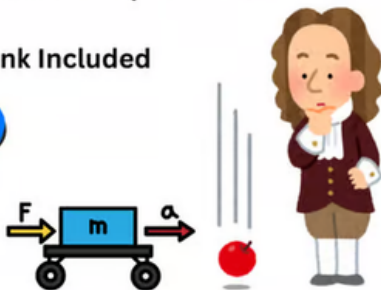
Middle School

20 N → 2 kg ← 10 N

Crash Course Physics #5 Newton's Laws

- ✓ Classroom Ready - Just Print and Go!
- ✓ Active Engagement - Keep Students' Attention
- ✓ Direct Video Link Included

WATCH VIDEO



Includes Student Copy
and Answer Keys

Newton's 3 Laws Identification Worksheet

NGSS MS-PS2-1 and PS2-2

Students analyze 10 different real-life situations and determine which of Newton's 3 Laws can be used to explain what is happening.



NGSS MS-PS2-1 and PS2-2

TWF

Newton's Third Law and Colliding Objects Activity

NGSS MS-PS2-1

Students design
design a solution to
a problem involving
the motion of two
colliding objects.



NGSS MS-PS2-1

TWF

Sir Isaac Newton Famous Scientist Reading Comprehension Article



Improve your students **Scientific Literacy** and **Analysis Skills**, use as an **Emergency Substitute Plan** or create **Applicability** in your classroom

The Standard is Explained and the Resources it Incorporates are Outlined

California Preferred Integrated NGSS Course Model – Grade 8 MS PS2 Motion and Stability: Forces and Interactions

MS PS2-1: Apply Newton's Third Law to design a solution to a problem involving the motion of two colliding objects.

Examples of practical problems could include the impact of collisions between two cars, between a car and stationary objects, and between a meteor and a space vehicle.

Assessment Boundary: Assessment is limited to vertical or horizontal interactions in one dimension.

Resources:

- Newton's Laws of Motion – Lesson
- Newton's Laws Identification Worksheet
- Newton's Third Law and Colliding Objects - Activity
- Crash Course Video Worksheet Newton's Laws
- Isaac Newton - Reading

Newton's 3 Laws of Motion Lesson MS-PS2-1 & MSPS2-2

Included in your Lesson:

- Forces and Net Force
- Newton's First Law
- Newton's Second Law
- Newton's Third Law
- Multiple Applications for Each Law
- Student Worksheet



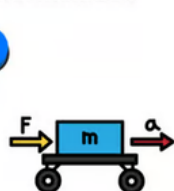
Middle School

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Newton's Third Law and Colliding Objects Activity

NGSS MS-PS2-1

Students design
design a solution to
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NGSS MS-PS2-1

TWF

Who is this Bundle for?

- Teachers who teach middle school science and use the NGSS
- Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to meet the standard
- Teachers who don't have time to develop their own resources or organize what to teach and when