

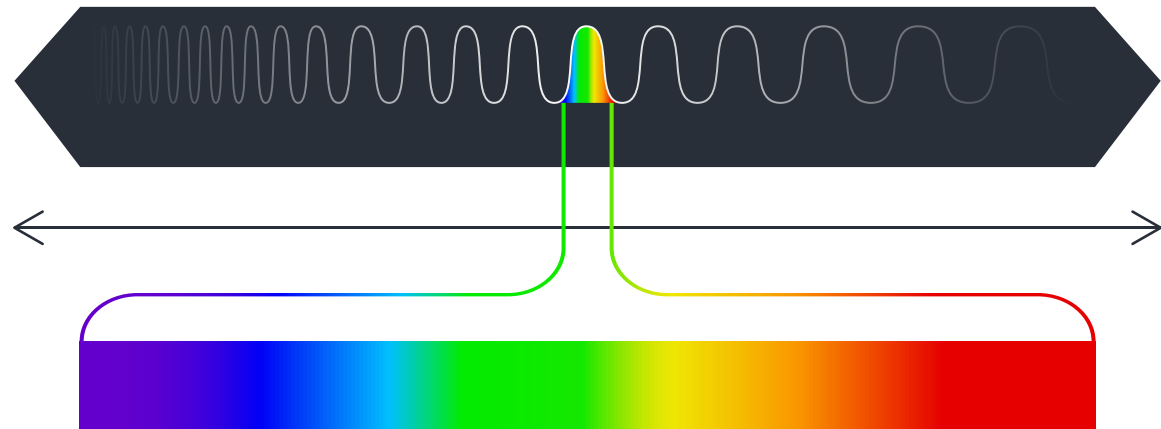
NGSS MS-PS4-2

Curriculum Bundle

Light Wave Behavior - Reflection, Absorption & Transmission

✓ 2 Lessons, 4 Activities

✓ Everything You Need to Teach NGSS MS-PS4-2



Resources Included

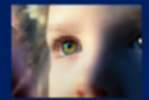
✓ 2 Lessons

✓ 4 Activities

- Light – Lesson
- Lasers, Absorption and Transmission – Lesson
- Why is the Sky Blue - Reading
- Crash Course Light - Video
- Worksheet
- Light and Optics Word Search and Scramble
- Bill Nye Light and Color - Video
- Worksheet

Light

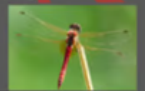
- Overview of light
- Properties of light
- Luminous and non-luminous objects
- History of light
- The electromagnetic spectrum
- Prisms
- Colour & Colour Blindness



This digital presentation includes both Google and Office resources and is [Google Classroom Ready](#)

Absorption, Reflection and Transmission of Light

- Light Rays
- Geometric Optics
- Reflection
- Transmission and Refraction
- Absorption
- Categories of light
- Lasers



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Why is the Sky Blue? An application of light waves

Scientific Reading Comprehension Article

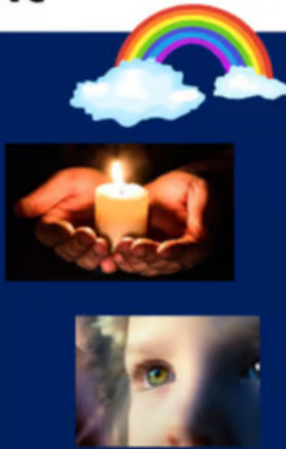


Improve your students **Scientific Literacy** and **Analysis Skills**, use as an **Emergency Substitute Plan** or create **Applicability** in your classroom

Everything You Need to Teach NGSS MS-PS4-2

Light

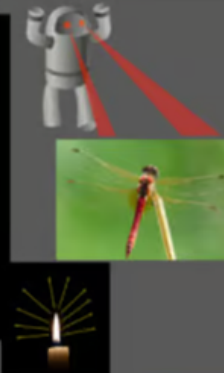
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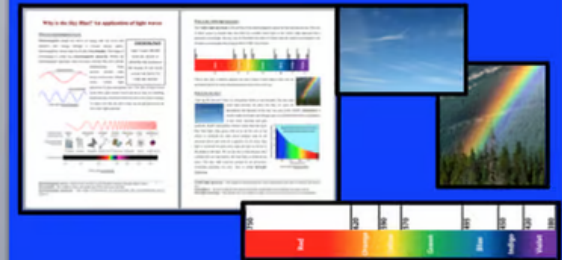
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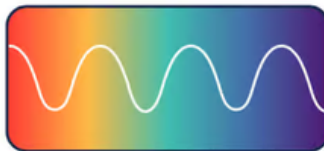
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Light and Waves Word Search and Scramble

THREE Activities in One!

1. Basic 25-Term Word Search
2. Scrambled Words Word Search
3. Word Scramble and Define Activity

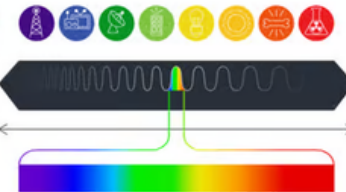
TWF



Crash Course Astronomy #24 Light

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

[WATCH VIDEO](#)



Includes Student Copy
and Answer Keys

The Standard is Explained and the Resources it Incorporates are Outlined

California Preferred Integrated NGSS Course Model – Grade 8 MS PS4 Waves and their Applications in Technologies for Information Transfer

MS PS4-2: Develop a model to describe that waves are reflected, absorbed, or transmitted through various materials.

Emphasis is on both light and mechanical waves. Examples of models could include drawings, simulations, and written descriptions. *Assessment Boundary:* Assessment is limited to qualitative applications pertaining to light and mechanical waves.

Resources:

- Light – Lesson
- Lasers, Absorption and Transmission – Lesson
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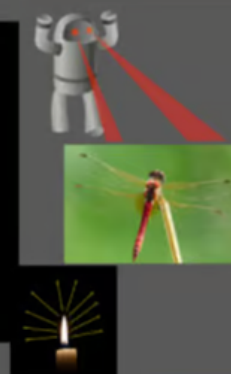
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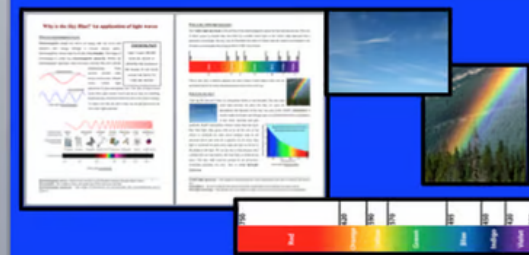
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Who is this Bundle for?

- **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**