

LIGHT WAVES

NEXT GENERATION SCIENCE STANDARDS

Mar. 4, 2019

Day 1/113



At the end of today's lesson you will;

- *How does light interact with materials?*

Classwork-

- **Light Waves 2.3**
- *Students have gathered evidence that not all light is the same by observing that different types of light can change a material in different ways.*
- *For the remainder of Chapter 2, students will consider the Investigation Question: What makes types of light different?*
- *In this lesson, students return to the “Harvesting Sunlight” article to identify two types of light, one that helps plants photosynthesize and one that damages plants.*
- *Students then use the Light Waves Simulation to compare these types of light. They discover that different types of light have different wavelengths and that changing amplitude does not change the type of light.*
- *Students then watch a video to deepen their understanding of wave properties and reflect on what they have learned about what makes light different.*

Homework-

- *Complete all of the Light Waves 2.3 Sections from today's lesson.*
- *Study the new Vocabulary terms found in the Light Waves unit on QUIZLET.*