

LIGHT WAVES

NEXT GENERATION SCIENCE STANDARDS

Feb. 27, 2019

Day 2/110



At the end of today's lesson you will;

- *How does light interact with materials?*

Classwork-

- **Light Waves 2.1**
- *In Lesson 1.4, students learned that Brazil and Australia have similar amounts of sunlight, but the skin cancer rate is higher in Australia. Is there something different about the sunlight in Australia, or is all light the same?*
- *To answer this question, students first conduct a hands-on investigation, shining an incandescent flashlight and an ultraviolet flashlight on different materials, and then observing different changes.*
- *Students then watch a video showing that light from the sun changes sun paper, but light from a light bulb does not.*
- *Partners discuss the evidence they have so far and determine that different light sources can emit different types of light.*

Homework-

- *For homework, students use the Light Waves Simulation to gather additional evidence about light emitted by different sources. Complete all of the Light Waves 2.1 Sections from today's lesson.*
- *Study the new Vocabulary terms found in the Light Waves unit on QUIZLET.*