

# LIGHT WAVES

NEXT GENERATION SCIENCE STANDARDS

**Feb. 22, 2019**

**Day 3/107**



**At the end of today's lesson you will;**

- *How does light interact with materials?*

**Classwork-**

- **Light Waves 1.2**
- *Students begin the unit with an introduction to their new role as student spectroscopists tasked with answering the question, Why is the skin cancer rate in Australia so high?*
- *via a short documentary video, students meet a real spectroscopist and learn about what she does. Students read a message from the fictional Australian Health Alliance introducing the problem and informing them that they will first investigate why light from the sun causes skin cancer.*
- *Students then conduct a hands-on investigation to observe that light can cause materials to heat up, change color, and move.*

**Homework-**

- *Students react to statements in an Anticipation Guide that are designed to help them access what they already know about light and which they will revisit periodically throughout the unit.*
- *Complete all of the Light Waves 1.2 Sections from today's lesson.*
- *Study the new Vocabulary terms found in the Light Waves unit on QUIZLET.*