

# LIGHT WAVES

NEXT GENERATION SCIENCE STANDARDS

**Feb. 26, 2019**

**Day 1/109**



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

- *How does light interact with materials?*

**Classwork-**

- **Light Waves 1.4**
- *In this lesson, students apply key concepts to determine how light from the sun can cause skin cancer.*
- *Students create visual models that show how light carries energy from the sun to genetic material in skin cells, using a template called the Light Waves Modeling Tool that will be used throughout the unit.*
- *Students are then introduced to three claims that attempt to answer the question, Why is the skin cancer rate in Australia so high? They participate in the Write and Share routine to evaluate Claim 1, Australia gets a lot of sunlight.*
- *Through group discussion, students can conclude that although the amount of sunlight might help explain the high skin cancer rate in Australia, it does not completely explain it.*
- *This uncertainty motivates students to investigate how the same amount of sunlight can lead to different rates of skin cancer in Chapter 2..*

**Homework-**

- *Complete all of the Light Waves 1.4 Sections from today's lesson.*
- *Study the new Vocabulary terms found in the Light Waves unit on QUIZLET.*