

# SCIENCE

Mar. 12, 2018

Day 4/116



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

Be introduced to the idea that wavelength and amplitude are properties of waves, and to help students understand that differences in wavelength are what make types of light different from each other.

## Classwork-

- **Light Waves 2.4**
- Students now understand that the sun emits different types of light. They are ready to investigate which types of light emitted by the sun can cause skin cancer.
- The Warm-Up activity helps students to eliminate two types of light (gamma rays and X-rays) that are absorbed by the Earth's atmosphere before they reach the surface.
- Students then use the Light Waves Simulation to determine whether other types of light have an effect on genetic material, and record their results in the Modeling Tool.
- Students observe that ultraviolet light and infrared light are absorbed by genetic material in skin cells, but that only ultraviolet light causes damage.

## Homework-

- Complete the 2.4.4 Homework.
- Study the Light Waves Vocabulary on Quizlet.