Day 3- Optics

Light- An Electromagnetic Wave

* Heat energy can be transferred by conduction (solids )& convection (liquids & gases )
* Light energy travels through the vacuum of outer space and does not require a specific medium for transmission.
* Light energy is transferred through radiation.
* An electromagnetic wave has both electric and magnetic parts, does not require a medium and travels at the speed of light.
* Scientists have identified different kinds of electromagnetic waves in addition to radio waves and x-rays.
* The electromagnetic waves have been classified based on the energy of the waves. This classification system is called the electromagnetic spectrum.
* Visible light is any electromagnetic wave that the human eye can detect.( white light )
* The continuous sequence of colours that make up white light is called the visible spectrum.

Read pages 463-469 in Nelson 10.

Review IN SUMMARY on page 469.

Answer questions #1-9 on page 469.

*TRY THIS ACTIVITY!*  (p.467 )