SNC 2D1

Optics- day 1

1. Show students some **OPTICAL ILLUSIONS** using the projector and www.opticsforkids.org

2. **What is light?**

- an electromagnetic wave

- travels at very high speeds (something traveling at the speed of light would circle the equator 7.5 times in 1 second!!)

-travels in a straight line

\*\*\* show some demos to reinforce these concepts:

- flashlight or laser beam (only see it when it reflects off something, you do not see the beam.... if you shake chalk dust in the air, you can see the beam of light because it has something to reflect off of)

- same idea, reflect the light off of a mirror

- use balloon, charge it on your hair and show how the electrons can produce light in a fluorescent bulb

3**. Brainstorm** with class..... List as many sources of light as possible.

4. **What do you know already? Do in pairs:**

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