Light travels in straight lines and reflects off things.

Light travels in a straight line from its source. It will keep moving in a straight line until it hits something.

If you have ever worn a hat on a sunny day, you have tested this idea. The brim of the hat blocks the sun from hitting our eyes.

Light reflects off objects and allows us to see. Some objects reflect light very well, like mirrors and white papers. Other objects, like brown construction paper, do not reflect as much light.

Water is also good at reflecting light off its surface. If you have ever been near a pool on a sunny day, your eyes may have hurt from too much light reflected from the water. Hats help block sunlight, but not the light that is reflected off the surface of water.

Light reflects off things and enters our eyes.

We see objects because they either give off their own light, or light reflects off the objects and enters our eyes.

The moon is an interesting example. It doesn't make its own light – we can see the moon because it reflects light from the sun.

If an object did not reflect any light, we would not be able to see it.

Our eyes do not produce light, they detect it.

Our eyes are amazing and allow us to detect light, focus on images, and see what is around us. The lens of the eye helps make images easier to see by focusing light. There are many other parts of the eye that work together to help you see. Some parts allow you to see color, and other parts detect the shapes of objects.

After the eye collects information about what you are seeing, it quickly sends the information to the brain. Believe it or not, the images that our eyes send to the brain are upside-down! Our brain flips it. The brain also tries to make sense of what we are seeing.