

# PEP Hopewell Whole Child Highlight

## The Influence of Light

Let's take a moment and look at light. We probably take light for granted as we go about our regular lives. Now that things have perhaps slowed down a little, we can take this opportunity to look at and even discover some of the unique phenomena all around us.

## Object Qualities

To geek out for a second: some objects that you look at are **opaque**. These objects block light from passing through. The color that they appear to our eye is in fact the wave length that bounces off of it. The other light wave frequencies in the visible light spectrum are absorbed and rendered not observable.

Other objects might appear **translucent**, that is, they allow light to pass through but bias the color of the light along the way. And lastly, objects such as glass are **transparent**. These objects tend to make little impression on light but can be seen to bend or tilt light slightly as it passes through.

## Explore & Describe 10 Objects

Find ten objects in your immediate vicinity and describe how they influence light. Come up with descriptive words that express how light behaves because of them. You will have no shortage of objects that affect light but some might be more dazzling than others.

So,

what becomes of light as it bounces off or pierces through objects around us. Does the light become shinny or dull? Clear? Brilliant? Does it curve or scatter? Let's come up with as many ways as we can to describe what we witness.

## Learn More

If you find the conversation around light fascinating, it is worth checking out the blog of James Gurney for more info - <http://gurneyjourney.blogspot.com/>

Good luck and have fun. I hope you discover a few things along the way!