

Light Travels

What objects can light pass through??

Materials:

Flashlight
Tissue paper
Clear plastic bag
Wax paper
Cardboard
Aluminum foil
Glass of water
Piece of paper



Directions: This is an exploration on what light can pass through. First, as a class, make predictions as to what the light will pass through, and what will block the light. I like to use an extra copy of the Light Travels chart and record our predictions using the document camera. Then I turned off the light and let the students explore with the flashlights and all the different materials. Students will record their results. There are two spaces where students can write in another materials that they tested. Were their predictions close? Talk about the words transparent, translucent, and opaque. Have students write a definition for each word. Start a chart for things that are transparent, translucent and opaque. Students can keep adding to the chart as they make discoveries on their own!

What would happen if we used a different materials?

Were there any surprises?

Can you come up with a list of things that are transparent, translucent and opaque?

We can learn a lot about the world around us by observing things. By asking questions, trying new things and observing what happens, we can discover and learn new things! This is science!! It all starts with an inquiry!

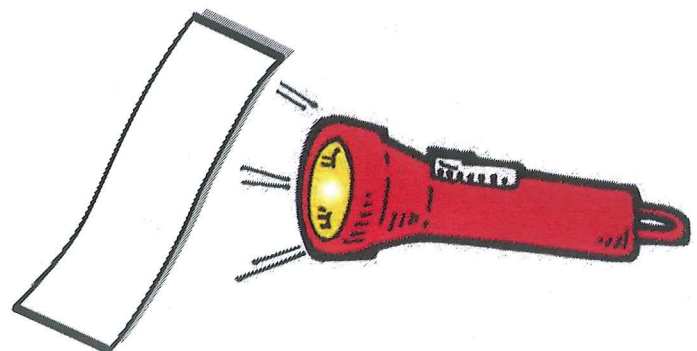
Ask a **Question**

Form a **Hypothesis**

Record **Observations**

Make a **Conclusion**

*How can we use this to communicate? Refer back to "Ways People Communicate" anchor chart.





Name: _____



Light Travels

Use a flashlight to see if the light will pass through the object.
Record your results!

Object	Lets light through (Transparent)	Lets some light through (Translucent)	Blocks all light (Opaque)
Tissue paper 			
Plastic bag 			
Wax paper 			
Cardboard 			
Aluminum foil 			
Water 			
Paper 			