

Discovering Light



Frank Lloyd Wright was a mastermind when it came to using light in his buildings. He created sustainable buildings by letting natural light in through canvas and glass. From what you learned from the video, how will light react when you shine it on different materials? All you'll need for this activity is a flashlight and something to write with.

Step 1: Investigate

Gather or walk up to some testing materials: Examples include windows, furniture, floorboards, rugs, carpet, etc. Pick out four of them and shine a flashlight on each item. Record your results below for each material to see if it reflected, absorbed, or transmitted light.

MATERIAL Which material have you chosen?	PREDICTION How do you think light will interact with the material?	OBSERVATION What happened when you shined light on the material?

Step 2: Explain

Imagine you need to make lenses for a pair of sunglasses with one of your materials. Which would you choose and why? Using the evidence, you collected above, explain your claim here.