

Light and Shadows Checklist

Essential Question: What is light?



Checklist

Use this checklist to track your activities and assessments for Light and Shadows Unit as you complete them.

Where is light found in our world?

- **What objects emit their own light? What objects need a light source to be seen?**
 - ☐ Discover: Where Light Comes From
 - ☐ Discover: How Various Objects Gives Off Light
 - ☐ Exit Pass
- **How is looking at the sun or bright light dangerous?**
 - ☐ Observe: Sun and Safety
 - ☐ Discover: Safe or Unsafe?
 - ☐ Exit Pass
 - ☐ Self-Assessment: Where is Light Found in our World?
 - ☐ Assessment 1: Light in Your Life

How does light interact with other materials?

- **How can we use light to classify objects as *transparent*, *translucent*, or *opaque*?**
 - ☐ Discover: What Light Shall Pass?
 - ☐ Observe: Transmitting Light
 - ☐ Explore: Looking around with Light
 - ☐ Exit Pass
- **How do objects create shadows?**
 - ☐ Explore: Shadow Maker
 - ☐ Observe: Shadows from the Sun
 - ☐ Exit Pass
 - ☐ Self-Assessment: How do objects create shadows?
 - ☐ Assessment 2: Shadow Story

How does light travel?

- What happens when light hits a surface? (absorbed, reflected, or refracted)?
 - ☐ Discover: Light Moves
 - ☐ Observe: Adventures in Reflection
 - ☐ Discover: Refraction Action
 - ☐ Exit Pass
- How can light be broken into colours or combined to make a new colour?
 - ☐ Observe: Light and Colour
 - ☐ Explore: Combining Colour
 - ☐ Exit Pass
- How do various optical devices work?
 - ☐ Observe: How do We Use Light?
 - ☐ Exit Pass
 - ☐ Self-Assessment: How Does Light Travel?
 - ☐ Assessment 3: How to Use Light
 - ☐ Final Assessment: What is Light?

If you have

- **not** submitted the assessments, please do so now.

If you have completed all activities, you can go on to another unit of your choice.

Congratulations!