

Light: Sun Safety

<p>Aim: To recognise that light from the sun can be dangerous and that there are ways to protect our eyes by designing and advertising a pair of sunglasses or a sun hat.</p> <p>I know that light from the sun can be dangerous and that there are ways we can protect our eyes.</p>	<p>Success Criteria: I can explain the benefits and dangers of the sun.</p> <p>I can explain about UV light and its dangers.</p> <p>I can describe ways to protect our eyes from the sun.</p>	<p>Resources: Lesson Pack</p> <p>A mirror per child</p> <p>Coloured paper and card</p> <p>Colouring pens or pencils</p>
	<p>Key/New Words: Light, sun, beneficial, dangerous, glare, bright, damage, UV light, UV rating, visible spectrum, pupil, retina, protect, direct, sunglasses, hat, brim.</p>	<p>Preparation: 'Hero' and 'Villain' Signs placed on opposite sides of the classroom</p> <p>Sun Safety Design Activity Sheet - 1 per child</p> <p>Sun Safety Advert Activity Sheet - 1 per child</p>

Prior Learning: Children will have learned about light sources in lesson 1.

Learning Sequence

	<p>The Sun: Hero or Villain? Ask the children to stand while reading the statements about the sun on the Lesson Presentation. Children sort the statements according to whether they are beneficial or dangerous by moving around the classroom to stand under either the 'Hero' sign or the 'Villain' sign. Address any misconceptions or interesting issues when discussing children's ideas.</p>				
	<p>UV Light: Use the Lesson Presentation to discuss UV light. Explain what it is and its effects.</p>				
	<p>'Seeing' UV Light: Children work in groups to set up a simple investigation into the effects of UV light. They should place card shapes onto coloured paper, then position the paper in sunlight for a week. When they come back to it, the paper around the shapes will have lightened, showing the effects of UV.</p>				
	<p>The Eye: Explain the function of the pupil and the retina using the Lesson Presentation. Ask children to look at their pupil in a mirror, then to close their eyes for 30 seconds. They should then open their eyes to see that the light quickly makes their pupil smaller.</p>				
	<p>Damage: Discuss the damaging effect of bright lights. Emphasise the importance of never looking directly at the sun, or other bright lights.</p>				
	<p>Protecting Your Eyes: Ask children how they think we can protect our eyes from damage from the Sun. Explain ways to keep our eyes safe using the Lesson Presentation.</p>				
	<p>Design Your Own: The children should use their knowledge of the Sun and ways to protect our eyes to design a pair of sunglasses or a sun hat using the Sun Safety Design Activity Sheet. Once they have drawn their sun protection item, they then create an advert for it using the differentiated Sun Safety Advert Activity Sheet, explaining the harmful effects of the sun and how their sunglasses or sun hat protect against them.</p> <p>Look for children who can communicate their understanding of the dangers of the sun and ways to protect our eyes.</p>				
	Children create a poster using the writing frame and prompts.		Children create a poster.		Children create an information leaflet.

Taskit

Makeit: Can you make a poster to explain to people how to be safe in the sun? Explain why the sun is dangerous and what you can do to protect yourself.

Checkit: If you have sunglasses at home, check their UV rating to make sure they will protect your eyes properly.

Craftit: Make a paper plate sun using the instructions **Paper Plate Sun Craft Instructions**. Why not add some facts about the sun, or ways to stay safe in the sun on the back?