



Let's find some warning signs!

KS2 teacher's notes

Design & Technology

Out & About Warning signs

National Curriculum

This activity supports work in:

DESIGN & TECHNOLOGY

Knowledge, skills & understanding, developing, planning & communicating ideas:

1a) Generating ideas for products by using information from a number of sources. Consider who will use them and what they will be used for.

Breadth of study:

5a) Investigating and evaluating a range of familiar products, thinking about how they work and how they are used.

Also supports work in:

ICT

Developing ideas and making things happen:

2b) How to create, test, improve and refine sequences of instructions to make things happen and to monitor events and respond to them.

How to use the worksheet



Take the children out to an appropriate place to look for warning signs including ones about electricity. Start in the school grounds. They should record the signs they see either by sketching or using a digital camera. Store digital images on a computer for reference.



They should also make notes of where each sign is, what it warns about and what makes it noticeable. If the sign is electronically operated they should note this, too.



Back in the classroom, ask about any symbols they noticed. Are the same symbols used in different signs? Discuss how standard symbols are useful. Also ask about any commonly used colours and shapes.

Extension activity: ask the children to plan and make a warning sign that makes a sound or lights up by means of a pressure pad, light sensor or sound sensor. They should explain what their sign is for, where it could be used and by whom. Link this with work in ICT to connect the pressure pad to a voice message. For example: 'Stop. Your shopping trolley will lock here!' (at the edge of a supermarket car park) or 'Take care. Steps!' to help sight impaired children at school.



Did you know?

Warning signs should be highly visible and instantly recognisable through their shape, design, colour, sound or other effect, such as a flashing light.

The use of standard symbols helps people to recognise dangers, for example: a triangular shape and yellow background for warning signs concerning electricity.

Warning signs need to be understood by everyone, so they must be simple. For instance, even young children will recognise that an outline of a person falling to the ground with a zigzag pointing at them means danger.

nationalgrid

Electricity Distribution



Ensure the children record the signs they see by sketching or using a digital camera.



We're looking for warning signs about electricity

- Look around for warning signs in the street, on fences and on or inside buildings.
- Sketch or use a digital camera to photograph them and record where they are.
- What do they warn you about?
- What makes you notice them?

Signs	1	2	3	4
Look at your photos or sketches. Under each of the numbers 1, 2, 3 and 4, draw a sign you saw.				
Where did you see the sign?				
What does it warn you about?				
What makes you notice it?				
Is there anything special about how it works? e.g: does it switch on and off, and when?				



Design a warning sign about something electrical. Make it switch on/off when needed.