

Electrical Safety: Be Safe to a Fault!

Overview

Task Context

Students will realize that electrical hazards may result in fire, injury, death, and/or loss of property.

Description

Students will distinguish between electrical and non-electrical items in the home. Students will give examples of safe use of small appliances. Students will recognize the hazards connected with inserting objects into electrical outlets.

Expectations

Kindergarten	Grade 1
Ke8 • follow simple directions and respond appropriately to familiar questions;	1e7 • use and spell correctly the vocabulary appropriate for this grade level;
Ke11 • use language to connect new experiences with what they already know;	1e8 • use correctly the conventions (spelling, grammar, punctuation, etc.) specified for this grade level;
Kp14 • demonstrate self-control by following classroom rules and routines in different contexts in the school (e.g., in the classroom, gym, library)	1e17 • print legibly (capitals and small letters); 1e45 • apply some of the basic rules of participating in a conversation and working with others;
Kp19 • identify safe and unsafe situations, materials, and equipment (e.g., dangers associated with handling construction tools, using scissors, playing on ladders);	1e55 • allow others to speak, and wait their turn in conversations or class discussions; 1p3 • recognize safety risks and safe practices; 1p11 • outline the potential safety risks in the home, school, and community (e.g., from fire or toys);

Groupings

Students Working Individually

Students Working As Whole Class

Notes to Teacher

The following materials will be needed:

- objects/pictures of electrical and non-electrical items found in the home (e.g., iron, curling iron, matches, stove, flashlight, coffee pot, bed, toys, etc.)
- a bag with a picture of a hand on it
- a bag with a picture of an electrical cord on it

Teaching / Learning

1. Teachers show students the bag with the picture of the electrical cord.

Discussion questions:

- What is this picture? (an electrical cord)
- Where so you find an electrical cord? (lamps, toaster, iron, radio, TV, electric knife, etc.)
- Are there things in your house that are not electrical? (flashlight, bed, knife, pots, battery clock, etc.)
- How can you tell the difference between electrical and non-electrical objects? (non-electrical things do not have a cord to plug in)

2. Teachers show students pictures of electrical and non-electrical items.

3. Teachers choose students to place each object in the appropriate bag (non-electrical items go in the bag with the picture of the hand, electrical items go in the bag with the picture of the electrical cord).

4. After all pictures have been sorted, teachers display a picture of an electrical appliance (e.g., stove, refrigerator, TV, etc.).

Discussion questions:

- How do you make this appliance work? (plug it in to an outlet)
- What happens when you plug in the cord? (electricity travels up the cord to the stove, fridge, etc. to make the motor run)
- What things should be plugged into outlets? (only electrical cords....nothing else)

5. Teachers have students complete the electrical safety worksheet provided.

Resources

Electrical Safety Worksheet

Electrical Safety

Name: _____

Circle the things that use electricity.

