



My Electrical Safety Activity Book

Teacher's Guide

INTRODUCTION

My Electrical Safety Activity Book is a coloring and activity book that describes important electrical safety concepts. The Kato the Cat character engages children through various activities while introducing them to key behaviors for staying safe around electricity. In addition, sentences that point out safe behaviors all begin with an illustrated capital letter to help foster letter recognition and reading skills.

This teacher's guide contains suggestions for classroom discussions, vocabulary and further classroom activities for each page in the booklet.

VOCABULARY

The vocabulary definitions used are for your information. Please explain the words in language your students will understand. If possible show your students the actual thing being defined.

Plug – A device with prongs, placed on the end of a wire. It is used to make an electrical connection when put into an electrical outlet.

Outlet – A place in an electric wiring system for plugging in appliances. The toaster was plugged into the outlet.

Safety Cap – A plastic cap that is put into an outlet that does not have a plug in it. This prevents children from trying to put things into outlets. (Explain to the children that if the outlet in the picture had safety caps in them the boy would not have been able to put the screwdriver into the outlet.)

Switch – A device used to open or close an electric circuit. The switch to turn the light off is on the wall.

Electrician – A person who works with or repairs things that are electric.

Frayed or broken wire – A wire that is coming apart or has separated and needs to be fixed.

Fire extinguisher – A device containing chemicals that can be sprayed on a fire to put it out.

Burn – To injure by fire or heat.

Scald – To burn with hot liquid or steam

Conductors – Things that carry or transmit electricity. Good conductors of electricity include water and metals. Electricity will go to the ground through any good conductor: metal, liquid or you. Stay out of its path. Never touch wires or appliances with wet hands or feet.

Lightning – A flash of electricity in the sky.

DISCUSSION TOPICS AND SUGGESTED ACTIVITIES

Cover Page

Explain to children that this booklet contains important information about electrical safety. Have them write their names in the space provided at the top.

Draw the danger symbol on the chalkboard. Explain that symbol is use internationally as a danger or warning symbol. If there is a sign with the danger symbol on it near your school be sure to point it on one of your walks or trips.

Discussion

- What does the picture on the cover show?
- What is the cat holding up in his right hand?
- What are you supposed to do when you see a stop sign?
- Where have you seen stop signs?
- Why do you think the cat is holding up the stop sign?
- What does the symbol with the circle and line going through it mean?
- Why is the danger symbol (circle with line going through it) drawn through the kite that is stuck on the wire?

Activity

Stop Signs Project – Make octagonal shaped signs on stiff paper. Print the outline of the word “STOP” in the center of each sign. Leave the middle of each letter blank so the children can color them in. You can attach a handle to each of the signs so the children can hold them up. Have the children use their signs to play act some of the dangerous things that Kato says “Stop” to throughout the book.

Page 2

Read and explain the caption at the top of the page. Ask students to decipher the picture surrounding the first letter of the first word. Repeat for all following pages.

Discussion

- What is the boy holding in his hand?
- What is the boy trying to do?
- Why is Kato holding a stop sign?
- Why is the danger symbol drawn over the outlet?
- What can happen to you if you put a screwdriver into an outlet? (Stress to children not to put anything into outlets).

Page 3

Stress that only adults should handle this situation of removing toast from the toaster.

Discussion

- What is the girl holding in her hand?
- What is the girl trying to do?
- Why is Kato holding a stop sign?
- Why is the danger symbol drawn over the fork and toaster?
- Why did Kato take the toaster’s plug out of the outlet?

Page 4

Discussion

- What is the girl trying to do?
- Why is Kato holding the stop sign?
- How do you know the girl is wet?
- Why is the danger symbol drawn over the switch?

Activity

Switch Project – Prepare paper switches for the children. Show the “on” and “off” positions on the switch. Remind children not to touch switches when they are wet or when they are standing in water. Also remind them to turn off switches when the lights are not needed.

Page 5

Tell children that they should not plug in or pull out plugs. Explain the directions and then have them complete the activity.

Discussion

- What is Kato holding in his hand?

Page 6

Discussion

- What is Kato pointing to?
- Where is the wire coming from?
- Why is Kato holding the stop sign?
- Why is the danger symbol drawn over the broken part of the wire?
- Who should fix the broken wires?

Page 7

Show the children what a real fire extinguisher looks like, and where one is located at your school. Also show them where the fire alarms are. Explain about the proper use of both. Stress that only adults should put out fires. Let them know that there are different types of fire extinguishers for different kinds of fires.

Water should never be used on electrical fire. Tell students that it is important to get outside first in an orderly and safe way and then call for help. Suggest that they ask their parents if they can practice fire drills at home.

Discussion

- What is happening to the toaster oven?
- What is the woman doing?
- Why should the plug be unplugged?

Page 8

Have the children do this activity either independently or as a group. Afterwards, review other danger or warning signs. (See sample activity sheet on danger and warning symbols.) Ask these questions for each set of pictures.

Discussion

- What do the two pictures you chose have to do with each other?
- Why did you leave out the third picture?

Page 9

Once again stress the need to get an adult to handle the emergency. Also stress the need to get out of the house in a fire situation and then get help.

Discussion

- What is coming out of the air conditioner?
- Why is the danger symbol drawn over the smoke?
- Why is the boy running away?

Page 10

Explain to children the dangers associated with cooking.

Discussion

- What are the boy and girl doing?
- Why is the danger symbol drawn over the stove?
- Why is Kato holding up the stop sign?

Page 11

Explain the necessity of staying away from electrical equipment (substations, electrical boxes etc.) Tell students to look for danger or warning signs. If they are unable to read the sign or understand it they should stay away.

Discussion

- What is the boy doing?
- Is there a sign on the fence?
- What do you think the sign says? (Tell the children it says: “DANGER KEEP OUT”)
- What kind of place is inside the fence?
- Why is the boy climbing the fence?
- Why is Kato holding up the stop sign?
- Why is the danger symbol drawn over the boy who is climbing the fence?

Page 12

Discussion

Stress to children the need to stay away from any downed wire even if it is not raining or wet. This would be a good time to discuss that electricity seeks the best path to the ground. Explain that you do not want electricity to travel through you to the ground.

- What is in the water?
- Why is Kato holding the girl back?
- Why is Kato holding the stop sign?
- Why is the danger symbol drawn over the downed wire?

Page 13

Discussion

Explain that the purpose of this page is to learn how to stay safe when there is lightning outside. Ask children to describe the scenes in the four pictures and then have them put them in the correct sequence.

Page 14

Stress the need to fly kites away from power lines. Also tell the children not to use metal wire instead of string for their kites.

Discussion

- What are the boy and girl doing?
- Why is the danger symbol drawn over the kite and the power lines?

Page 15

Tell children not to attempt to retrieve a kite if it is caught in power lines. Remind them to fly kites away from power lines.

Discussion

- What is the man doing with the kite?
- Who do you think the man is?
- Why should he be the one to get the kite?
- What are the boy and girl doing?

Page 16

Ask students what they learned from doing the activities in this book. Go over any safety measures they left out. Ask students to find the pages where these pictures appeared. If needed, help them write the page numbers in the appropriate spaces.