

Electrical Safety

Fourth Grade

Activity: 8

Time: 1 Class Period

Audit

General Description

Students act as electrical safety auditors to generate a safety checklist for a particular kind of site. Students should contact people in charge of safety and maintenance for guidance in procedures if possible.

Objective

Students will develop a safety tip poster to others about how to remain safe around electricity.

Arizona State Standards

SC04 S3C2 PO1 Describe how science and technology (e.g., computers, air conditioning, and medicine) have improved the lives of many people.

SC04 S3C2 PO2 Describe benefits (e.g., easy communications, rapid transportation) and risks (e.g., pollution, destruction of natural resources) related to the use of technology

SC04 S3C2 PO3 Design and construct a technological solution to a common problem or need using common materials

W04 S1C1 PO1 Generate ideas through a variety of activities (e.g. brainstorming, graphic organizers, drawing, writer's notebook, group discussion, printed material)

W04 S3C2 PO1 Record information (e.g. observation, notes, lists, charts, map labels, and legends) related to the topic

W04 S3C4 PO1 Write persuasive text (e.g. advertisements, paragraph) that attempts to influence the reader (**Create a poster**)

M04 S2C1 PO3 Interpret graphical representations and data displays including single-bar/circle graphs, two-set Venn diagrams, and line graphs that display continuous data

LS E1 Prepare and deliver an organized speech and effectively convey the message through verbal and nonverbal communications with a specific audience

LS E3 Interpret and respond to questions and evaluate responses both as interviewer and interviewee

Teacher Background

Students act as electrical safety auditors to generate a safety checklist for a particular kind of site. Students should contact people in charge of safety and maintenance for guidance in procedures if possible.

Materials

Activity Card 4-8

Poster Paper

Markers/colored pencils

Procedure/Exploration

1. Students work in teams to brainstorm possible safety issues for various sites.
2. Students should be encouraged to contact people in charge of safety and maintenance for guidance in procedures if possible.
3. Students will select a site and generate an expanded Safety Checklist
4. Hand out Activity Card 4-8 which could be used to conduct a safety audit.
5. Students will create posters to share their safety tips with adults and students.

Extension

Students could be invited to other classrooms to share what they learned about safety in order to help other students be safe.

Safety Check List

Fourth Grade
Activity: 8
Activity Card: 4-8

Student's Name:

Date:

Inspection site - check one

___ Home/Apartment

___ School

___ Office

1. Are open outlets covered with childproof caps?
2. Are electrical cords in good condition?
3. Are extension cords used correctly?
4. Is anyone in the building trained in CPR?
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Yes

No