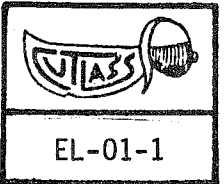


# SAFETY FIRST

ELECTRICITY IS VERY USEFUL ....  
- BUT IT CAN BE VERY DANGEROUS.

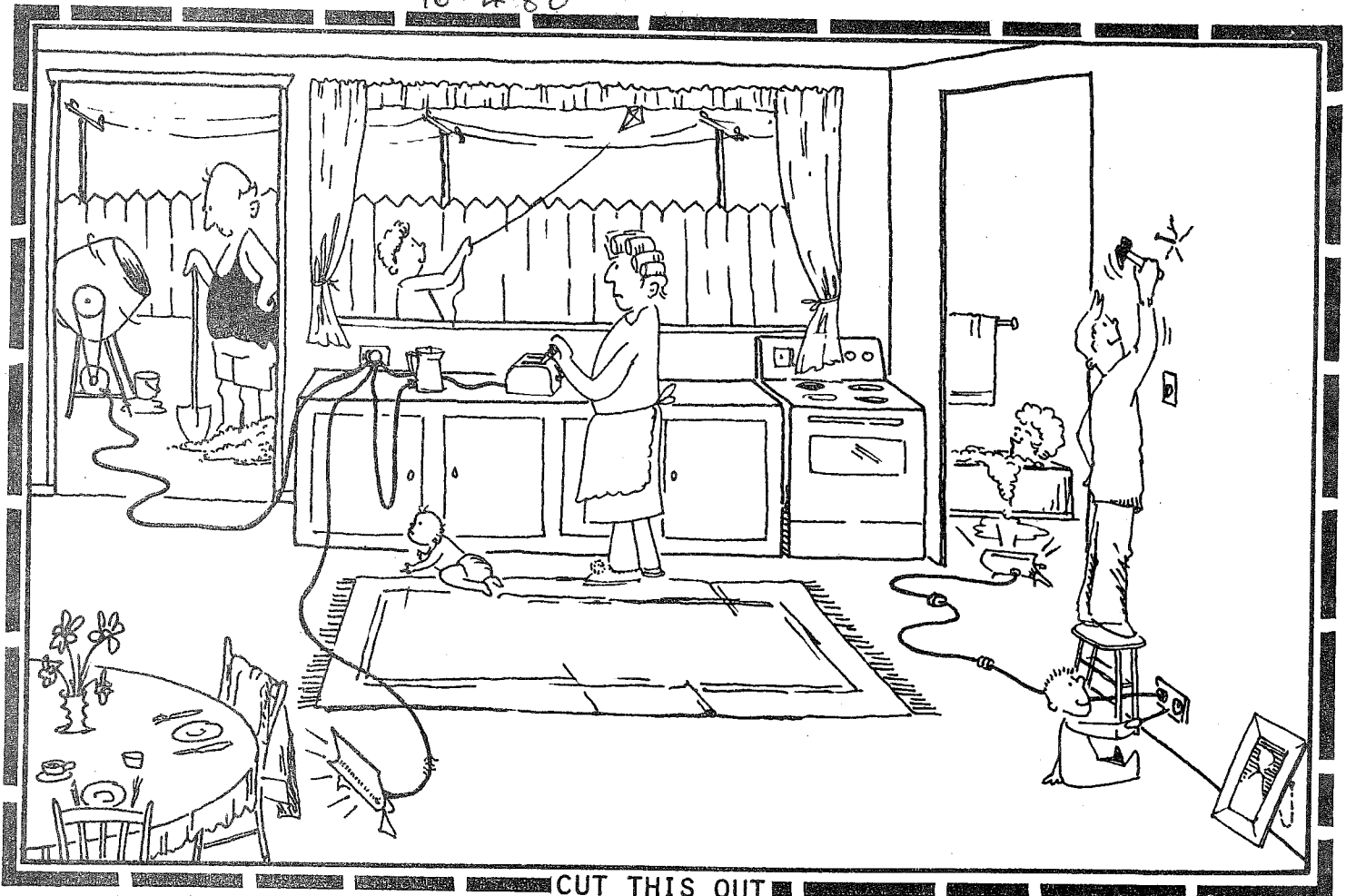


## 1 Find The Faults.

USE POWER WITH CARE  
TEACHERS COLLEGES  
BC 1167075  
LIBRARY AUCKLAND

→ Cut out the drawing below and glue it into your book.

KIT  
N2  
507  
NEW  
+  
99571  
16-4-80



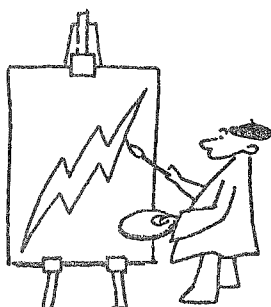
CUT THIS OUT

The drawing shows 12 things that could be dangerous. Can you find them?

→ Make a list of these in your book.

## 2 Safety Poster.

→ Use one or more of the ideas from part 1 to make a poster about safety with electricity.



## 3 Research Topics.

→ Find out about one or more of the following.

→ Then write a brief report in your book.



(1) Why do plugs have 3 pins?



(2) What are Isolating Transformers? When should they be used?



(3) What should you do if someone gets an electric shock?





### AIM OF ACTIVITY SHEET

To make students more aware of the need for care when using electricity.

(A BASIC SHEET)

### OBJECTIVES

After completing this activity sheet, students should be able to:

- name potentially dangerous situations involving the use of electricity.
- explain why these situations are dangerous.
- either: explain why plugs have 3 pins,  
or: explain when and why isolating transformers should be used,  
or: explain what action should be taken if a person gets an electric shock.

### MATERIALS REQUIRED

- Scissors and glue.
- Large sheets of paper for posters.
- Suitable reference material (see below for suggestions).

### EXTENSION WORK SUGGESTIONS

- Students identify electrical hazards or potential hazards at home and at school.
- Find hazards in diagram sheet available from Accident Compensation Commission.

### RESOURCES

- Visual Prod Unit filmstrips:  
Electrical safety at home.  
(62/157)  
Safe and sure with electricity.  
(73/172)
- National Film Library film:  
Electricity and your safety.  
(A4236)
- Safety posters and information is available from the Labour Department and the Accident Compensation Commission. The Accident Compensation Commission also has a sheet showing a variety of dangerous situations that have to be identified. This could be used for extension work.

### ADDITIONAL NOTES

The drawing shows:

- No isolating transformer for concrete mixer.
- Too many plugs from one outlet.
- Jug cord within reach of baby.
- Knife in toaster.
- Kite near power lines.
- Curtain over stove element.
- Heater too close to clothes over chair.
- Cord to heater frayed.
- Heater in bathroom.
- Too many cords to heater.
- Child poking screwdriver into plug.
- Boy hammering nail into wall near light switch and plug.