



Electricity Safety Education Key Safety Message Worksheets

Join our Electricity Safety champions as they investigate each of our seven key safety messages in more detail.

Each worksheet has a range of questions or activities focused on our safety messages. Help Charlie to answer the questions with your classmates and teacher.

Use the Think Pair Share method to discuss and answer the below questions:



Why is this safety message important to remember?

How far away should Charlie be from powerlines when playing?

What else should Charlie do when he's playing outside, to keep safe around electricity?

Charlie has decided to go fly a kite outside with this sister. What should Charlie do first (tick all that apply)

- Check it is a fine day
- Check there are no powerlines nearby
- Check if there's a breeze to help Charlie fly the kite

What is something new you've learned today?

Who should you or your parents call in an emergency?



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Each worksheet has range of questions or activities focused on our safety messages. Help Sophie to answer the questions with your classmates and teacher.

Use the Think Pair Share method to discuss and answer the below questions:



Where else might you see a fallen powerline?
Draw some examples

Why is it important to stay 8 metres away from a fallen powerline?

Sophie is walking home from school and notices a powerline has fallen across the road. What should she do now?
Who should she call?

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Use the Think Pair Share method to discuss and answer the below questions:



Li Mei is making some raisin toast and it gets stuck in the toaster. What should she do?

Li Mei was in class and asked her teacher about electricity and water and electricity and metal. What would you tell Li Mei?

While Li Mei was helping her dad tidy the house, she noticed that a powerpoint had too many cords connected. Is this safe? Why or why not?

Where else in your home can you check to make sure appliances are used safely and correctly?

Why is it important not to put too many cords into electrical outlets?

Li Mei was excited for the holidays and was helping to decorate the house. She noticed a box of lights were really old and some of the ends looked split. Are these lights safe to use? What should she do?

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Use the Think Pair Share method to discuss and answer the below questions:



CLASS ACTIVITY

Gather children and teachers into groups and role play how they would respond to these situations:

- You're using a hair dryer and it starts smoking
- You're playing PlayStation with your friends and the outlet or power board sparks

Billy's mum was cooking a delicious chocolate cake. When she turned the mixer on at the powerpoint, she saw a little spark. Is that what a powerpoint should do?

What should Billy's mum do now?

If you feel any of these when using a tap or appliance - sparks, buzzing sounds and unusual smells, what should you do?

Billy was washing his cereal bowl after breakfast and felt the tap zap. What should he do?

Fill in the blank

Billy was learning about appliance safety in class and the teacher told everyone, you should never put a

_____ in a toaster.

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Use the Think Pair Share method to discuss and answer the below questions:



Hem was out walking the family dog with his older sister and noticed there was some unusual green boxes around the street and also boxes up high on a powerpole. Hem's sister told him the green boxes were Pillar Boxes and the boxes on the powerpoles were Pole-mounted Batteries.

What is a Pillar box and Pole-mounted Battery?

How do you stay safe around them?

Have you walked past an Essential Energy sub-station before? Why should you always keep well away from these enclosures?

Hem wonders how we get power to our homes, schools or businesses? What do you think?

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Use the Think Pair Share method to discuss and answer the below questions:



GROUP ACTIVITIES - Perform a skit to show what you could say to convince your friends to get out of the pool.

GROUP DISCUSSION - Why should you never go in or near water in an electrical storm?

On the weekend at a friends house, Keira and her friends were playing in the pool. After Keira got out of the pool, her friends stayed but she saw some lightning.

GROUP ACTIVITIES - Using cones or witch's hats, place one to indicate a fallen powerline.

Now ask students to place another cone where they think it's a safe distance away.

Now tell them they need to be 8 metres away – do they think they are that distance?

Ask the teacher to measure out 8 metres and show the class.

A lightning strike has hit a tree in a storm and when you've woken up there is no power as the tree fell over a powerline. How far should you stay away from the fallen powerline? Who should you call for help?

Keira is playing on the swing set at home when she sees a storm approaching and it begins to rain. What should she do?

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Use the Think Pair Share method to discuss and answer the below questions:



Charlie was learning about electricity in class, and that energy comes from different sources. Can you describe where each of these come from:

FOSSIL FUELS

Coal

Natural Gas

Oil

RENEWABLE

Solar

Geothermal

Wind

Hydropower

What do solar panels do?

Do you have solar panels at your home?

What about your friends?

Does your school have solar panels?

What is something new you've learned today?

Who should you or your parents call in an emergency?