

How Do We Keep Our Living Room Warm?

(Kid Version)



Activity Description

This is a suitable activity to undertake in early winter, or winter. It is an ideal investigation for students to complete with an adult or older family member, as it could lead to the family taking action(s) to increase energy efficiency and keep their home warmer in winter. So ask someone in the family to help you out!

Information that will help you

Did you know...

- ▲ A house with windows and doors open loses heat?
- A house with curtains open at night loses heat?
- Draughts (caused by gaps in doors, windows and floorboards) can let cold air into the house?
- ▲ Insulation in the ceiling, floor or walls of a house can help keep the heat in?
- Insulation can be made from different things, but usually fibreglass, wool or polystyrene batts?
- There are lots of ways to heat a house, including heat pumps, wood burners and electric heaters?
- ▲ If we are warm and have reduced the amount of heat escaping from our bodies (for example when we are wearing warm clothes or are tucked up in a warm bed) then we don't have to heat the room as much?

Now, turn over the page to start the activity!

How Do We Keep Our Living Room Warm?

Inquiry 1

How do you heat your living room?

Draw your living room. Then draw in the things your family use to heat your living room. Write a label for each one e.g. heat pump, gas heater, electric heater, wood burner, fire.



Inquiry 2

Where does heat escape from your living room?

List the ways heat can escape from your living room. Write a label for each one on your diagram on Inquiry 1 e.g. through windows, under doors, through chimneys, through the floor, through the ceiling, through cracks or holes in the walls.



Inquiry 3

What do you do now to keep the heat inside your living room?

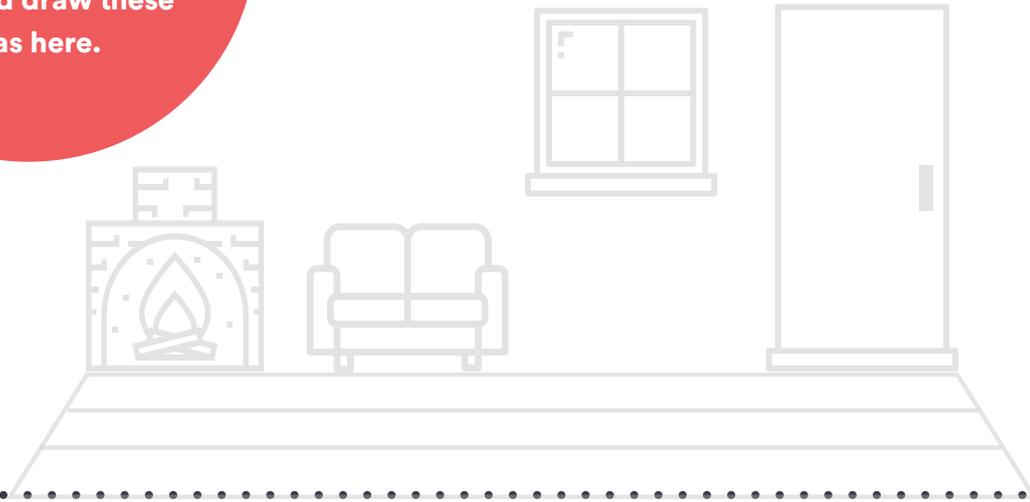
List the things your family does or uses to keep the heat inside your living room. Write a label for each one on your diagram on Inquiry 1 e.g. close the windows, close the curtains, shut doors, insulation, window seals, draught stoppers.



Inquiry 4

What else could you do to keep the heat inside your living room?

List your ideas of other things your family could do to keep the heat inside your living room. You could draw these ideas here.



Inquiry 5

What could you do to keep yourself warm by stopping heat escaping from your body?

Draw or write down some things you can do to stop heat escaping from your body when you are in your living room.

