

Science Corner: Teachers' Notes

This series of four books introduces children to the physical concepts of science through simple text and photographs. The books cover curriculum topics such as: *Light and Dark*, *Pushes and Pulls*, *Sound and Hearing* and *Using Electricity*.

The books can also be used for **literacy** work as they feature many examples of explanatory text including:

- **Contents** • **Index** • **Glossary** • **Non-chronological text** • **Present tense text**
- **Photographs** • **Headings** • **Captions** • **Labels** • **Flow diagram**

They also include an additional text type: *Instructions for activity*.

Photocopiable worksheets

A photocopiable worksheet is available for each book in this series. These enable you to ensure that the children have grasped key ideas from the books. The children will need to have access to the books in order to complete the worksheets. Use the worksheets in a guided reading session, for topic-based group work, or even for homework.



Instructions for the **Electricity** worksheet:

- Introduce the worksheet, explaining the activity: children should aim to complete the flow chart, explaining how electricity comes into electric lights in our homes.
- Before they begin, discuss with them the way in which the flow chart works. Ask them to follow the movement with their fingers.



Instructions for the **Light and Dark** worksheet:

- Introduce the worksheet, explaining the activity.
- Ask the children to think carefully about each of the types of light shown. They need to think of reasons for using each one. They can include reasons not in the book.
- Remind them to use the index and contents page if they need to find information in the book.



Instructions for the **Push and Pull** worksheet:

- Introduce the worksheet, explaining the activity.
- Children will need to complete the sentences first. They can do this from their experience or find the information in the book.
- Once they have sorted the statements, ask them to add another to each set.



Instructions for the **Sound and Hearing** worksheet:

- Introduce the worksheet, explaining the activity.
- Encourage children to use the contents page and index to find ideas and information in the book.
- They can include additional ideas from their own experience if they prefer.

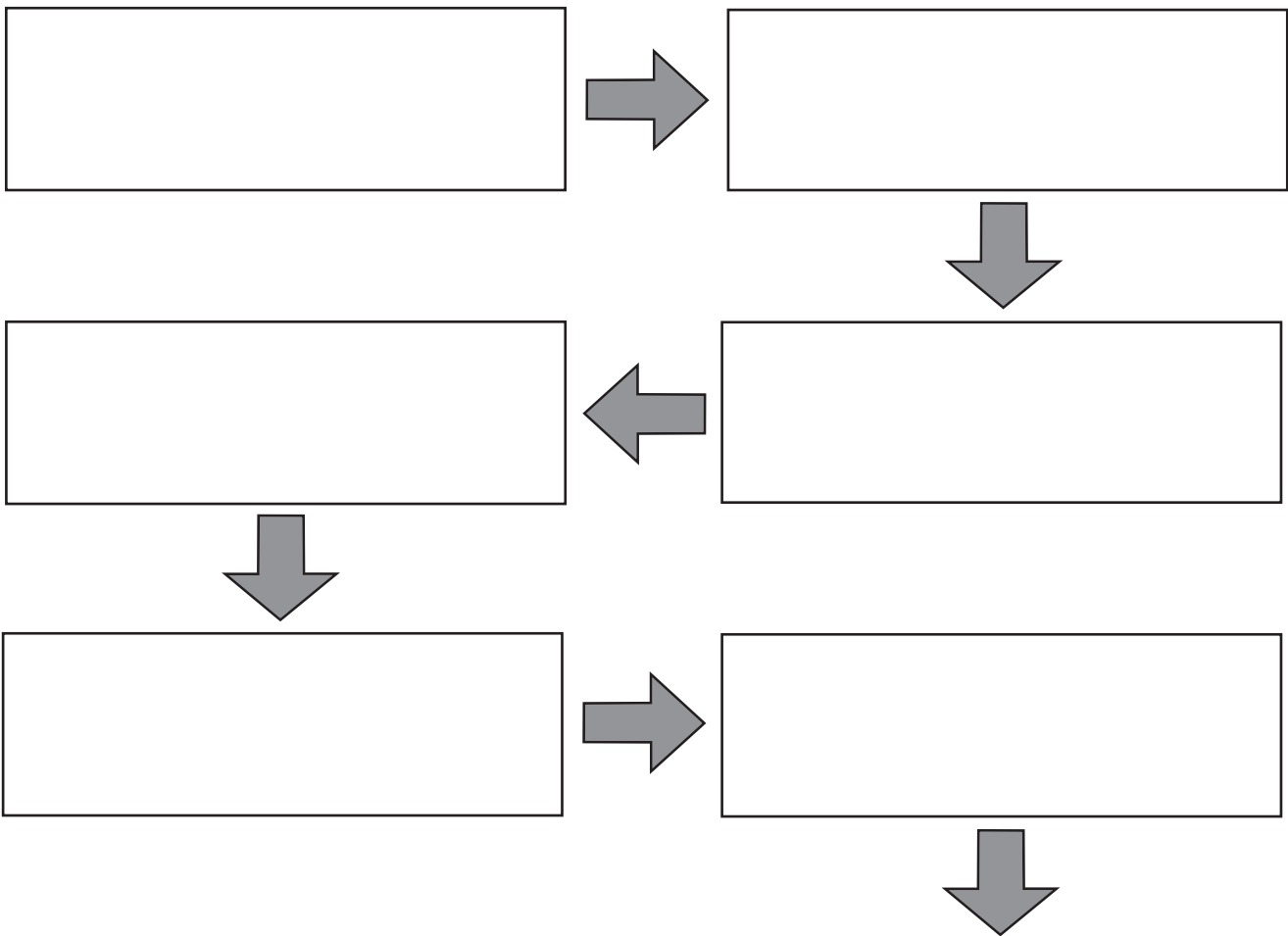


Science Corner: Electricity



Name _____ Date _____

• Cut out the dotted boxes below and put them in the flow chart to show how electricity can light up our homes.



Write what happens next

Cables are linked to thin wires.

You push the switch to make the electricity flow.

Cables carry the electricity away from the power station.

The wire may lead to an electric light.

Electricity flows through the wires and into a building.

Electricity is made in power stations.

Learning objective: to complete a flow chart showing how electricity gets to an electric lightbulb.



Science Corner: Light and Dark



Name _____ Date _____

- Write one reason for using each of these types of light.

Type of light	A reason for using it
a torch	
a flashing light	
a spotlight	
a headlight	

Learning objective: to recognise different purposes for light.



Science Corner: Push and Pull



Name _____ Date _____

- Is it a push or a pull?
- Cut out the boxes below and fill in the gaps.
- Sort the boxes. Label one set 'push' and one set 'pull'.

You _____ a supermarket trolley.	A dog can _____ on its lead.
When you kick a ball, you _____ it away.	You _____ open a drawer.
The wind _____ on a kite.	You _____ a scooter.
You _____ a suitcase.	You _____ the pedals on your bike.

Learning objective: to check that children understand pushing and pulling.



Science Corner: Sound and Hearing



Name _____ Date _____

• Draw lines to show how sounds are made with different instruments and draw the instruments.

Press the keys

tambourine

Shake and bang

trumpet

Blow

piano

Tap or bang

cymbals

Smash or crash

drums

Learning objective: to recognise that musical instruments make sounds in different ways.