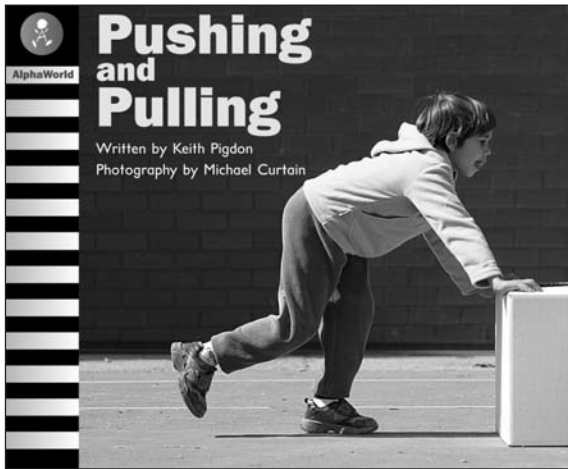


Pushing and Pulling



Topic: Force/Science

Curriculum link: Physical Science

Text type: Report/Description

Reading level: 13

Word count: 291

Vocabulary: caravan, carriages, cart, engines, heavy, light, pulling, pushing, trolley, tugboat, wheels

Possible literacy focus:

- Comparing the different ways in which things can be pushed or pulled.
- Gaining extra information from the pictures to support understanding of the topic.
- Identifying and using words with the ending 'ing'.
- Interpreting information from the summary chart.
- Using an index.

Follow-up activities

What we now know

Ask the children to write and draw a response to what they now know about pushing things and pulling things. Children can work in pairs and then share their information with another pair. Ask the children to use the book *Pushing and Pulling* as a reference. They can use the language in the book to help them write their own descriptions.

Text features – Contents page and Index

Ask children to locate the contents page and the index.

What are they for?

Why do we need them?

How do you use them?

What is the difference between the two?

Ask children to locate different topics from both the index and contents page.

For example: *Can you tell me where I would find information on caravans in the book?*

Discussion and reflection:

Ask the children:

Why do we need to use wheels?

How do they help us to move things?

What can bulldozers and boats push?

How do trains both pull and push things?

What are some other machines with engines that push or pull things?

How did people move things before engines were invented?

Build your own pushing or pulling machine

You will need:

old boxes, scraps of material, cardboard, cellophane, crepe paper, film canisters, cardboard cylinders, matchsticks, string, sticky tape, scissors, glue, paper, pencils

1. Choose to build a pushing or pulling machine.
2. Make your machine using lots of different materials.
3. Share your machine with the class and explain its special features.

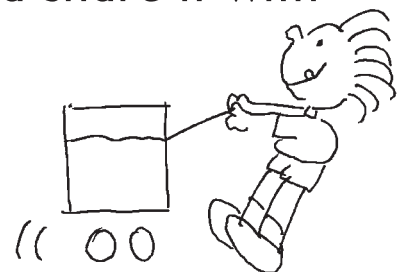
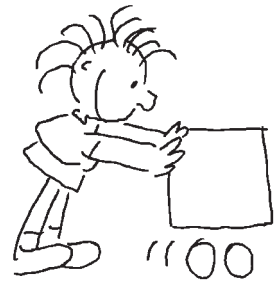


Which works better?

You will need:

two different machines for pushing or pulling

1. Predict which machine will work better.
2. Write down the reasons for your choice.
3. Test each machine.
4. Which did work better? Were you right?
5. Write down what you found out and share it with other members of the class.



Name _____

Make one word from two

Join two words to make a bigger word.
Write down the words you make.



some
bull
billy
with
tug

cart
times
boat
dozer
out

Write sentences using these words.

Look for words that are made from two small words in other books. Write them down.

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Name _____

Sorting pictures

Cut out the pictures. Find all of the pictures that show pulling. Paste them onto a sheet of paper and write the heading "Pulling" at the top. Now paste all of the pictures that show pushing onto another sheet of paper. Write "Pushing" at the top.



Instructions Ask children to sort the pictures first before pasting them onto the sheets of paper under the two headings.