

Forces

GOALS

Comprehension

Is this book fiction or non-fiction? How do you know? What is the difference?

Walk through the pages to confirm.

Vocabulary

Focus High-frequency Words: come, jump, ride, them, this, with, would, you

Focus Content Words: bike, force, gravity, kick, move, pull, push, see-saw, pilot, plane

Phonics

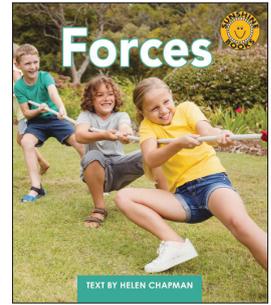
Letters and Sounds: Recognise and produce words that have the same vowel sound:

ur turn

Words to Blend and Segment: burn, fur, hurt, surf, turn

Fluency

Choose an item from the index. Find the related page. Model reading it so that the meaning of the item is emphasised. Students repeat the process.



Forces are what makes things move, whether pushing, pulling, going up or going down.

Before Reading

- Together look at the cover picture. Ask: What are the children doing? Explain that pulling is a force to make something move or stop.
- Read the title and then read it together. Have students notice that the c in *Forces* sounds like /s/. Ask: What else could be a force to move or stop something? (a push) Demonstrate with an article on the floor and move it. Ask: Did I use a push or a pull? Discuss what is happening on the title page. Look at the back cover. Talk about which pictures show a pull or a push and who is doing the pushing or pulling.
- Help students use the title and cover illustration to make predictions about the text.
- Read the title and the contents to see what will be in the text. Ask: Is this book fiction or non-fiction? How do you know? What is the difference? Non-fiction is true and may have photographs. Flick through the pages to confirm.
- Talk/walk through the pictures. Notice the forces on each page. Bring words like *bike, force, gravity, kick, move, pull, push, see-saw, pilot, plane* into the conversation.

Reading the Text

- Read the cover and the title page together.
- On pages 2–3, ask: What are the different forces in the pictures? Find the words *push, pull, move, stop*. Read the text together pointing to the words as they are read.
- On pages 4–5, discuss the picture. Find the words *kick* and *ball*. Read the words together.
- Follow this pattern for each page, discussing the pictures and what the forces are before reading each page.
- On page 16, students look at the index and find the page with more information about wheels. They ask a partner questions about the index, e.g. What page is the see-saw on?

After Reading

Check the accuracy of students' predictions. Invite them to discuss the text. Prompt if needed.

- Students re-tell the text using the pictures on each page as a guide. They discuss the different forces. Have you ever experienced any of the forces you've read about in the text? Or any different forces? How did those experiences feel?
- Discuss gravity. What stops an egg from staying in the air when you let it go? Would this happen to other things if you dropped them? What would happen if we didn't have gravity? Why would this be a problem?
- What do you think the author's purpose was for writing the book? What have you learnt from this book?

Phonics

- Write the words *burn, fur, hurt, surf, turn* on the board to practise blending and segmenting the onsets and rimes together as a group, e.g. *b-urn, burn*. Brainstorm more words with -ur to add to the list, e.g. burnt, furry, turned, hurting, church.

Word Study

- Talk about the words *come, jump, ride, them, this, with, would, you*. Photocopy the flash cards from the inside front cover and read them together. Ask students to find and read these words in the book. Discuss their meaning in context. Students can play a memory game with the cards.
- On a piece of paper, students draw a picture of one of the forces in the book. They write the matching sentence from the text.
- Discuss words that have the soft c sound like *force* where the c sounds like /s/. Brainstorm other words with this sound and write a list on the board to read, e.g. ice cream, ice, nice, rice, race, face, lace.
- Students find words that start with br- in the text. (*brother, brakes*) Discuss the two letters they start with (/b /r/ br). Students think of more words starting with br-, bread, bring, brain, brave, brush, brick.
- Students identify syllables in words and clap as they are spoken, e.g. *grav/i/ty*. Together read and clap one-syllable words in the book, e.g. *force, move, kick, stop, pull*. Have students clap two-syllable words, e.g. *push/es, ped/als, see/saw, han/dle, pil/ot, bro/ther, some/thing, with/out*.

Fluency

- Students chose an item from the index and find the related page. Model reading it so that the meaning of the item is emphasised. Students repeat the process.

Writing

- Have students write a new text using the pattern of the text, e.g. The driver uses force to stop a car. He pushes the brake hard. The car stops fast. They share this with a partner.
- Students discuss swimming classes. In a pool, when they push off from the wall, they move forward and swim to the other side of the pool. So the push off the wall leads them to go in the other direction to their push. Students draw a swimmer starting to swim a lap or they film someone doing this to illustrate how the swimmer's arms push and the pull.