MACHINES AND MOTION

LEVERS



Bullfrog Books

Ideas for Parents and Teachers

Bullfrog Books let children practice reading informational text at the earliest reading levels. Repetition, familiar words, and photo labels support early readers.

Before Reading

- Discuss the cover photo. What does it tell them?
- Look at the picture glossary together. Read and discuss the words.

Read the Book

- "Walk" through the book and look at the photos. Let the child ask questions. Point out the photo labels.
- Read the book to the child, or have him or her read independently.

After Reading

- Prompt the child to think more. Ask: Levers are everywhere. Where do you see them? What do they help you accomplish?

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For Review Only

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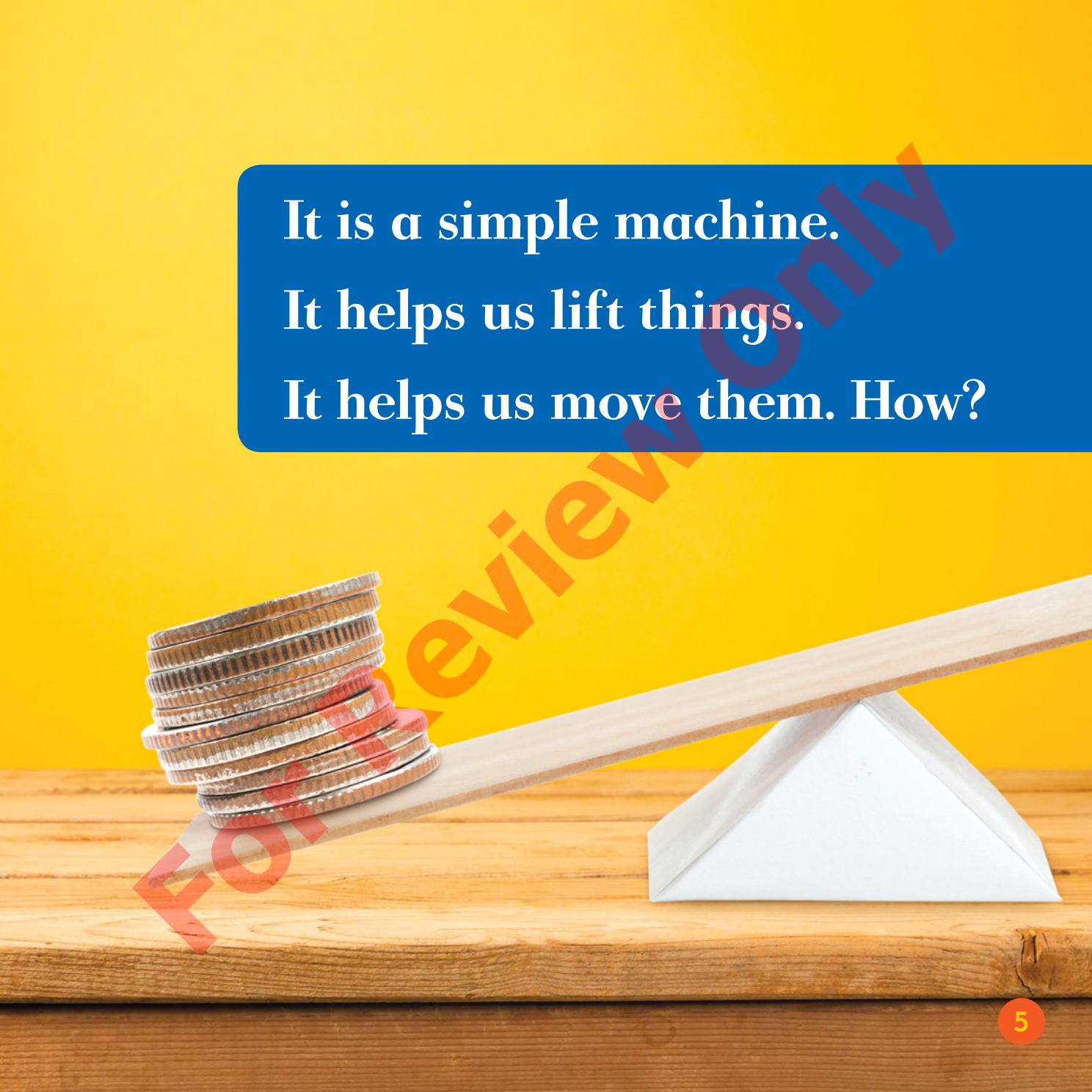
Lifting with Levers



What is a lever?

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It is a simple machine.
It helps us lift things.
It helps us move them. How?



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Four parts make it work.

We press on the lever.

Leo pulls out a nail.



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We use effort.

The fulcrum holds the load.

We lift it.

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Build a Lever

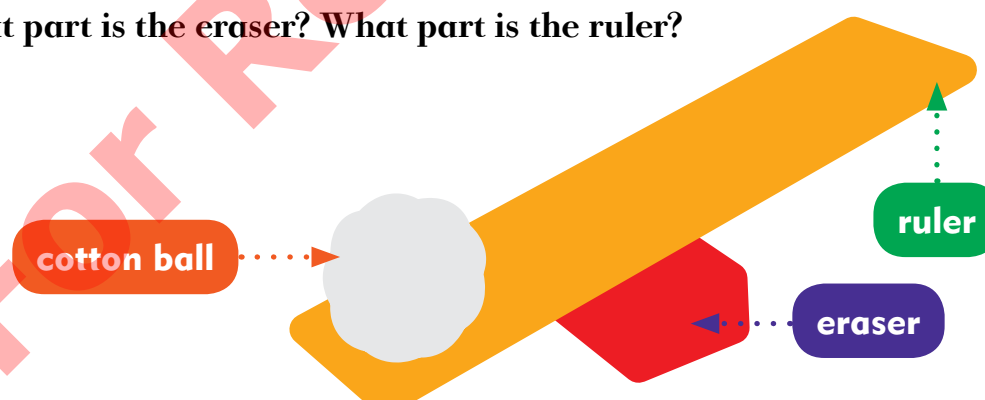
Levers help us move or lift things. Build your own lever!

You will need:

- ruler
- flat block eraser
- cotton ball

Directions:

1. Place the eraser on a flat surface.
2. Lay the center of the ruler on the eraser.
3. Place the cotton ball on one end of the ruler. Press the other end of the ruler down. Notice how much effort it takes to raise the cotton ball. You just made a lever!
4. There are four parts that make a lever work. The lever itself, the fulcrum, the load, and effort. What part is the eraser? What part is the ruler?



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