

MACHINES AND MOTION

PULLEYS

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: Pulleys are everywhere. Where do you see them? What do they help you accomplish?

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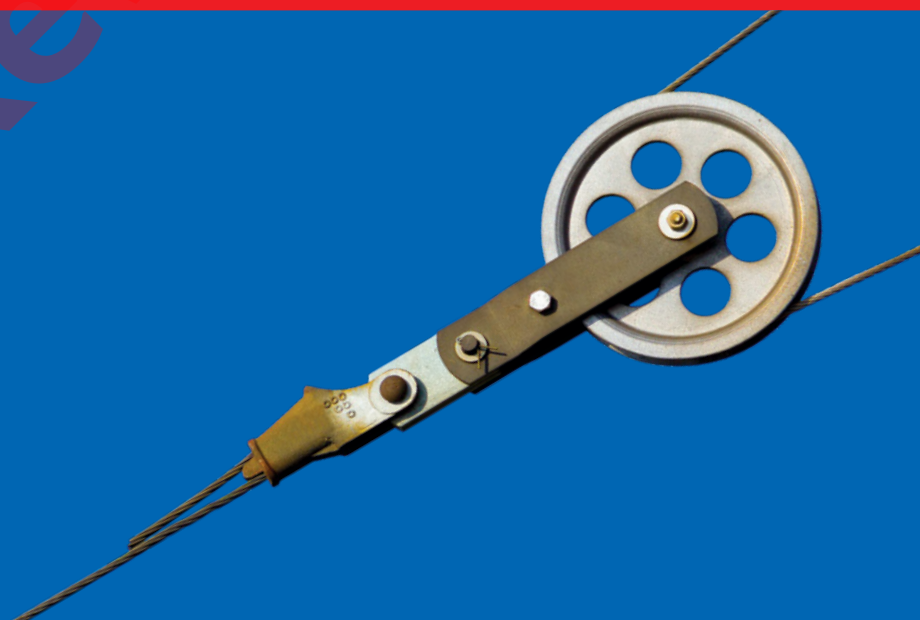
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For Review Only

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Pull and Lift



What is a pulley?

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It has a wheel.

The wheel has a groove in it.

A rope fits in the groove.



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What holds the wheel?

An axle.

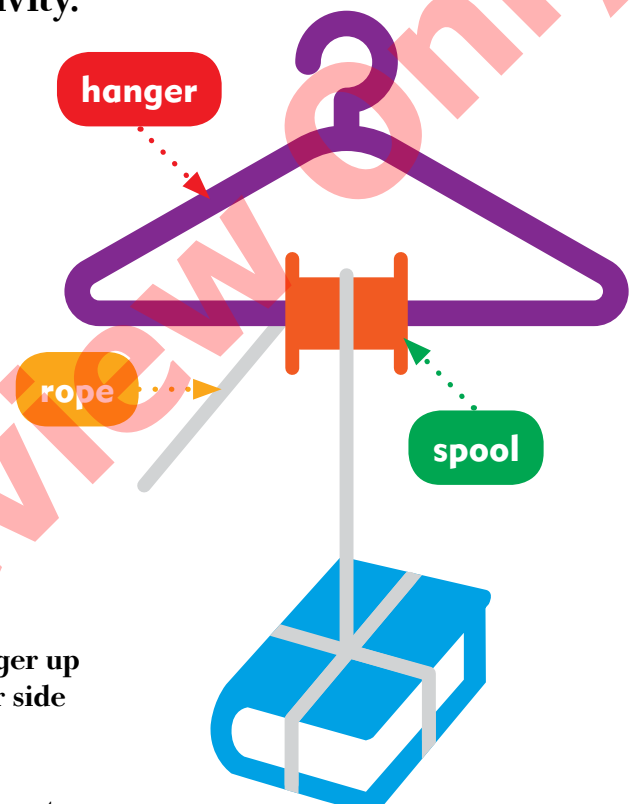
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Build a Pulley

Pulleys help us lift things. Build your own! Have an adult help you with this simple activity.

You will need:

- thread spool
- wire hanger
- wire cutter
- pliers
- fine rope (or twine)
- book



Directions:

1. Use a wire cutter to cut the hanger in the middle at the bottom.
2. Slip the spool through the newly cut ends of the hanger. The cut edges should go through either side of the spool.
3. Use the pliers to bend the wire hanger up one inch (2.5 centimeters) on either side of the spool to hold it in place.
4. Wrap the rope around the book on all four sides like a ribbon on a present.
5. Tie a knot at the top to hold the book securely in place.
6. Hang the hanger and pulley system on a closet rod.
7. Lay the book on the closet floor.
8. Glide the opposite end of the rope (non-book end) around the spool.
9. Pull on the rope and watch the book rise!

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