Push, Pull, Lift!



by Sophie Petratos

Benchmark EDUCATION

Level 16 I Word Count: 247*

The Big Idea

This book tells about how people use simple machines such as pulleys and ramps.

Skills at a Glance

Monitor-Reading:
- Stop, think, and write

Comprehension:
- Identify stated main idea and supporting details

Phonics:
- Variant vowel /oo/ (groove, move, tool)

Fluency:
- Read with appropriate stress or emphasis

Content Vocabulary:
- groove, pulley, ramp, rope, simple machine, wheel

Grammar, Word Study, and Language Development:
- Subject/verb agreement
- Use antonyms (indoors/outdoors, low/high, push/pull, up/down)

Sentence Patterns:
- You can ___.
- A ___ helps ___.

*Numerals, vocabulary words on pages 2 and 3, and words in photo captions, labels, diagrams, and charts are not included in the word count for this book.

Early Explorers™
Benchmark Education Company
629 Fifth Avenue • Pelham, NY 10803

Credits:
Editors: Vicki Rushworth and David Haggerty
Creative Director: Jonette Jakobson
Photo Editor: Lynne Shulhafer

Copyright © 2007 Benchmark Education Company, LLC. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage or retrieval system, without permission in writing from the publisher. Printed in Canada.

ISBN: 978-1-4108-8124-3

For teachers' inspection ONLY

What is a simple machine?



For ordering information, call **Toll-Free 1-877-236-2465** or visit our Web site at **www.benchmarkeducation.com**.



For teachers' inspection ONLY

Push, Pull, Lift!

by Sophie Petratos

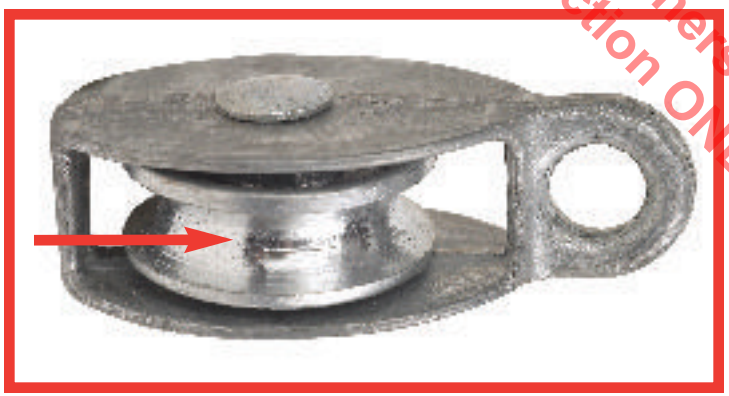
Table of Contents

What Is a Simple Machine? . . . . . page 4
What Is a Pulley? . . . . . page 6
What Is a Ramp? . . . . . page 10
How Do People Use Pulleys and Ramps? . . . . . page 14

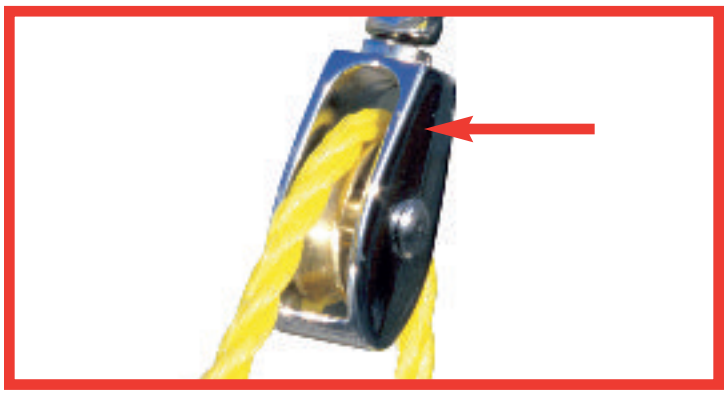
I need to know these words.

For teachers' inspection ONLY

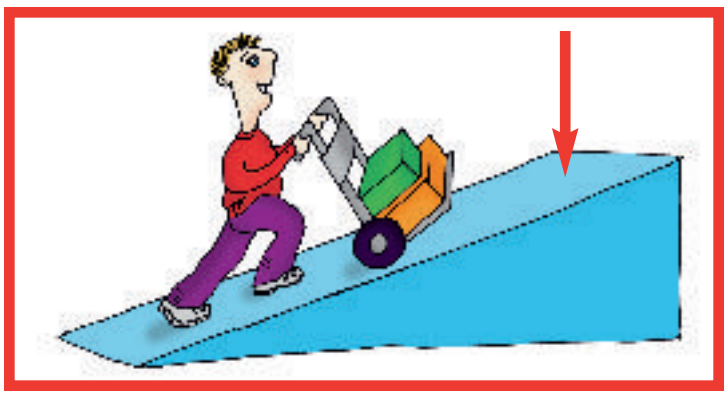
groove



pulley



ramp



For teachers' inspection ONLY

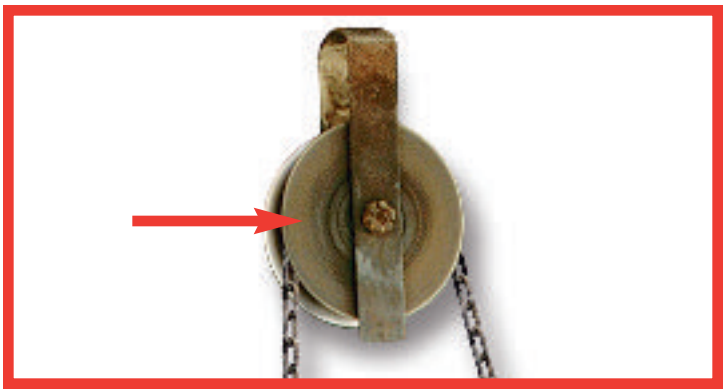
rope



simple machine



wheel



For teachers' inspection ONLY

What Is a Simple Machine?

A machine is a tool. A machine makes work easier. You do work when you move objects. You can push objects. You can pull objects. You can lift objects.



▲ This woman lifts a box.

For teachers' inspection ONLY

A simple machine is a tool. A simple machine helps you do work.

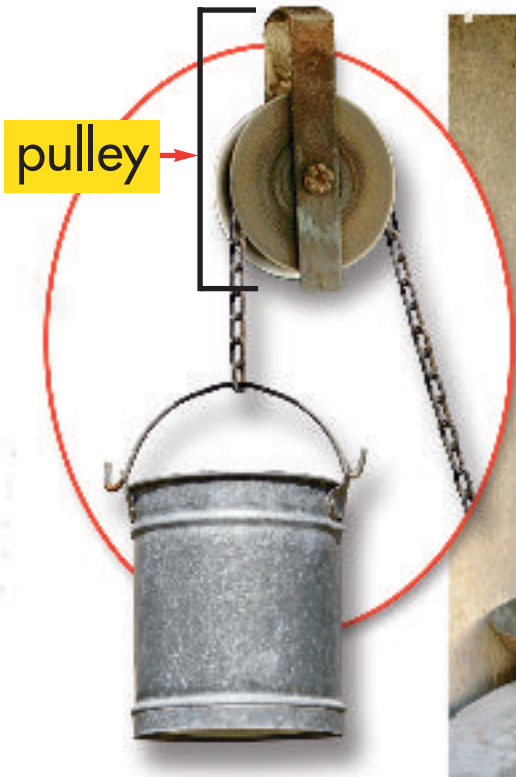


▲ A ladder is a simple machine. A simple machine makes work easier.

For teachers' inspection ONLY

What Is a Pulley?

People get water from a well. How can the woman get water from the well? The woman uses a simple machine. She uses a pulley.

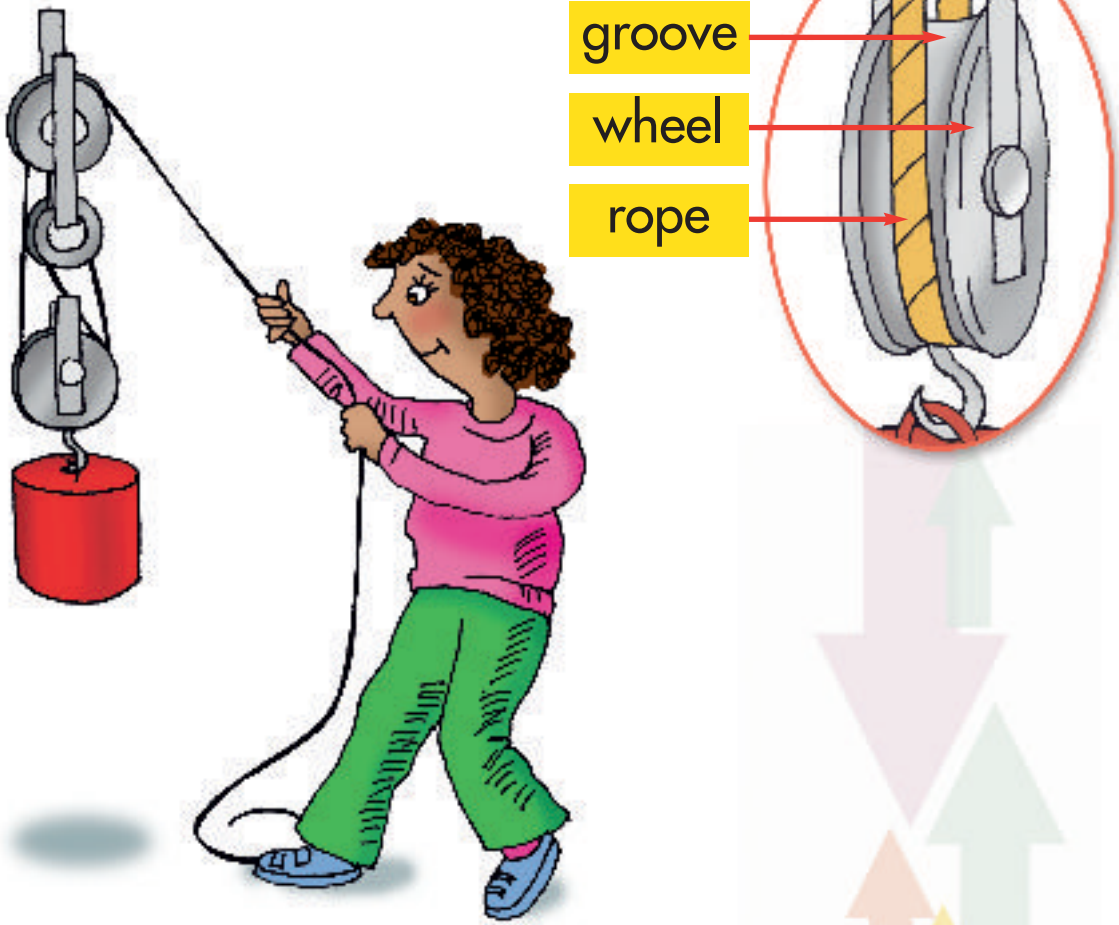




▲ The woman pulls down on the rope. The rope lifts the bucket.

For teachers' inspection ONLY

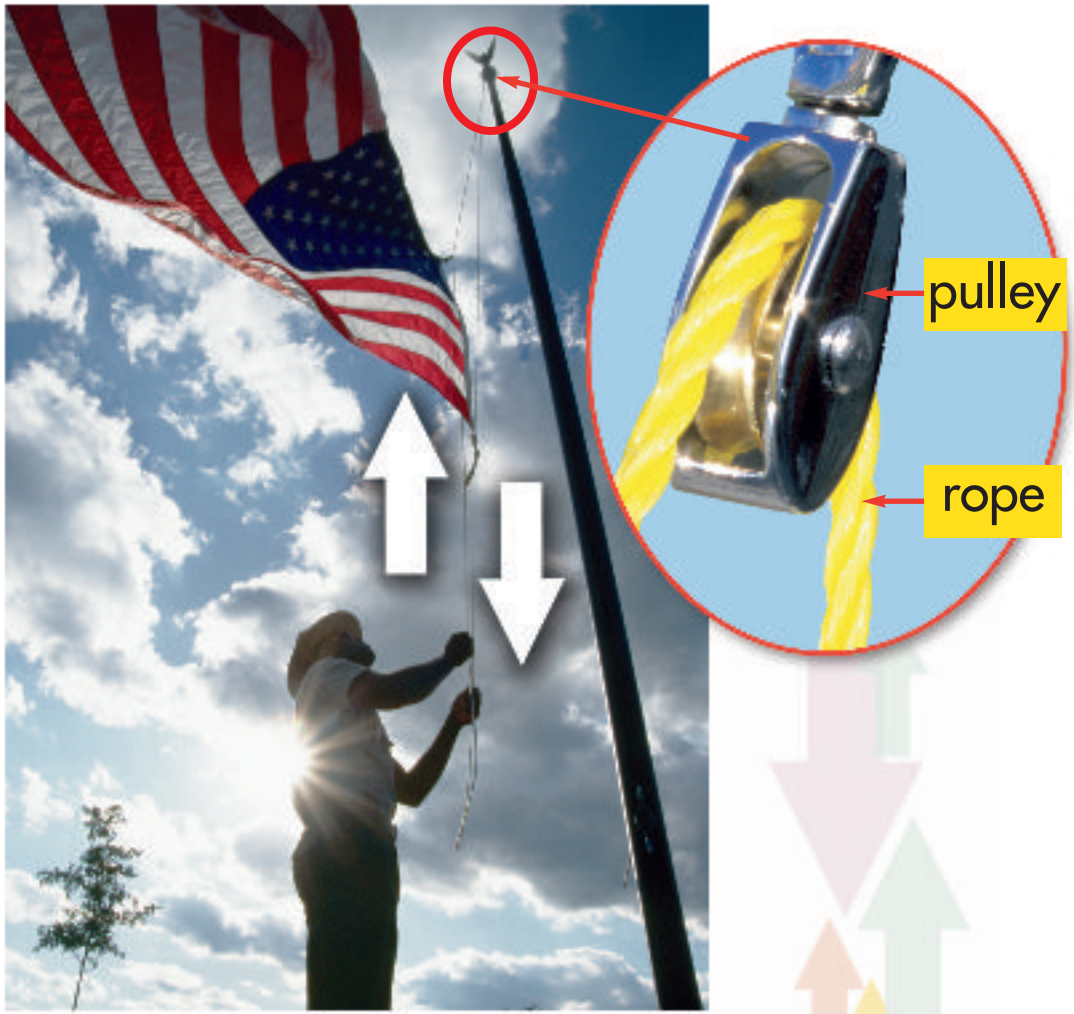
A pulley has a wheel with a groove. A pulley has a rope. The rope fits in the groove. All the parts of the pulley lift the object.



▲ This woman uses a pulley to lift the object.

For teachers' inspection ONLY

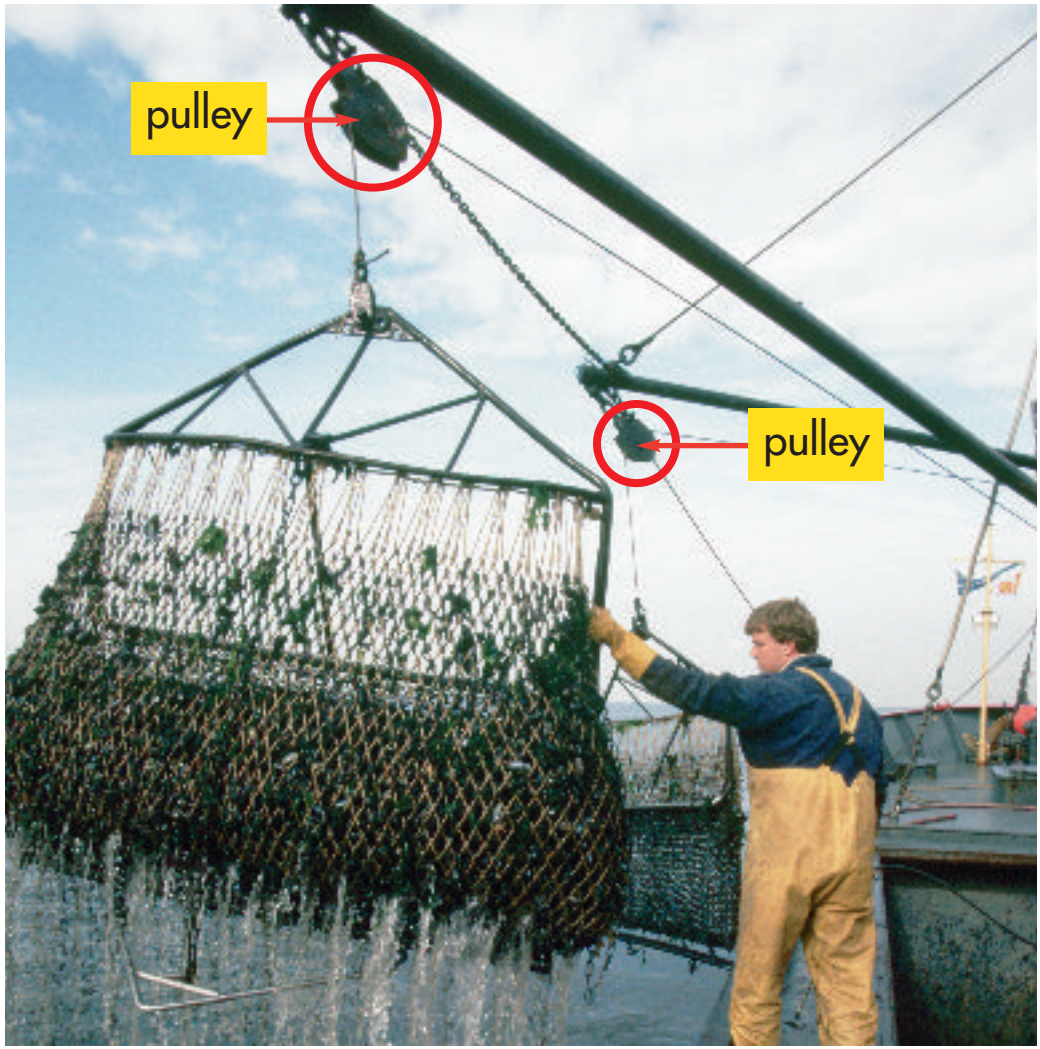
The person pulls on the rope.
Then the rope turns the wheel.
The rope raises the flag.



▲ A pulley helps raise the flag.

For teachers' inspection ONLY

A pulley helps make work easy. Some machines have pulleys to lift heavy objects.



▲ Two pulleys lift this net.