



Pulleys and Mechanical Advantage

Introduction

How can elementary students lift their teacher off the ground? They can use a system of pulleys.

Pulleys and Mechanical Advantage explains how to demonstrate the concepts of mechanical advantage in an effective and exciting manner in the classroom. By experimenting with human-sized simple and compound pulley systems, students will feel how the force required to lift objects decreases as additional pulleys are added and observe the trade-off that accompanies this reduced lifting height.