



a WOW Lab  
**BLUEPRINT**  
Pulleys and Mechanical Advantage

## Resources

### Books

This book focuses on work, machines, gravity and different types of pulleys:

Walker, Sally M. *Pulleys*. Minneapolis: Learner Publications Company, 2002.

### Websites

This website provides background information about Archimedes and descriptions about the different types of pulleys:

"Pulleys Lesson Plan." *Society of Women Engineers*. Accessed 14 July 2011.  
[http://www.swe.org/iac/lp/pulley\\_03.html](http://www.swe.org/iac/lp/pulley_03.html)

An interesting website with a wealth of information for kids about many topics related to physics:

"Motion Basics." *Physics4Kids.com*. Accessed 14 July 2011.  
[http://www.physics4kids.com/files/motion\\_intro.html](http://www.physics4kids.com/files/motion_intro.html)

An interactive site where the students can learn about the laws of physics as they design their own roller coaster:

"Amusement Park Physics." *Annenberg Media Learner.org*. Accessed 14 July 2011.  
<http://www.learner.org/interactives/parkphysics/index.html>

A great website for explaining how to tie the various knots described in the activity:

"Animated Knots." *AnimatedKnots.com*. Accessed 14 July 2011.  
<http://www.animatedknots.com/indexclimbing.php?LogoImage=LogoGrog.jpg&Website=www.animatedknots.com>