



Berkshiremuseum

Alexander Calder: An Artist at Play *Suggested Resources*

Grades 3 - 5

Print and Web Materials for Grade 3 - 5 Students

Lafferty, Peter. Force & Motion (Eyewitness). New York: DK Publishing, 2000.
Helpful and abundant photos and illustrations. Covers many physics fundamentals including simple machines and how they have been used throughout history.

How Stuff Works.

<http://www.howstuffworks.com/>

Explains the inner workings of telephones, toys, refrigerators, clocks, toilets and more.

Inventor's Toolbox: The Elements of Machines.

The Science Learning Network, Museum of Science, Boston, 1997.

www.mos.org/sln/Leonardo/InventorsToolbox.html

Good images of the simple machines and some common complex machines like worm gears and the crank and rod. A challenge page asks you to identify the mechanisms in gadgets like a hand powered drill.

Print and Web Materials for Grade 3 - 5 Educators

Taylor, Beverly A.P., James Poth and Dwight J. Portman. Teaching Physics with TOYS, Activities for Grades K – 9. New York: Terrific Science Press, 1995.
Physics activities utilizing toys like Lego® construction toys, roller skates, comeback toys, and yo-yos. Designed by college professors, elementary and middle school classroom teachers and science specialists.

Tuchman, Phyllis. "Calder's Playful Genius." *Smithsonian* (May 2001), p. 82 – 92. *About Calder's career and practices as an artist.*

Work is Simple with Simple Machines.

<http://www.ed.uri.edu/SMART96/ELEMSC/SMARTmachines/machine.html>

A Project Smart 96 Unit created by Rhode Island Teachers with the goal of integrating technology into the science and math curricula. Includes activities, key terms, bibliography and links.