**Who is Sir Isaac Newton?**



1. **Newton's 1st Law:** An object in motion stays in motion unless acted upon by an outside force.
2. **Newton's 2nd Law:** Force=mass x acceleration.
3. **Newton's 3rd Law:** For every action, there is an equal and opposite reaction.

**University of Washington Bothell**, Box 358550, 18225 Campus Way NE, Bothell, WA 98011-8246 (425) 352-5340

**Title: Screws** / by Sally M. Walker and Roseann Feldmann ; photographs by Andy King.
Author: Walker, Sally M. Pub Info: Minneapolis : Lerner Publications, c2002.
Bothell/CCC Childrens Lit TJ1338 .W35 2002

**Title: Inclined planes and wedges** / by Sally M. Walker and Roseann Feldmann ; photographs by Andy King.
Bothell/CCC Childrens Lit   TJ147 .W35 2002

**Title: Wheels and axles** / by Sally M. Walker and Roseann Feldmann ; photographs by Andy King.
Bothell/CCC Childrens Lit TJ181.5 .W36 2002

**Curriculum Kit**
Bothell Curriculum Kits  TJ170 .S56 1993  disc
Bothell Curriculum Kits  TJ170 .S56 1993  manual    AVAILABLE , LIB USE ONLY

Summary Lessons on simple machines using an interactive CD-ROM computer file and manipulatives. Takes a trip around the
world to explore the modern and ancient applications of six simple machines: inclined plane (in Egypt); wedge (in France);
lever (in Lebanon); screw (in Italy); pulley (in Sicily); and the wheel (in China)

**Looking at Simple Machines**
Author: Helen Frost
**Title: What are screws?** Red Brick Learning, (series)
Pub Info: CapstonePress.com

**Books:**

Ardley, Neil. *The Science Book of Motion*. Chicago, IL: Harcourt Brace Jovanovich, Publishers, 1992.

Easy-to-read and understand book of experiments on motion.

*Balls and Ramps: An Elementary INSIGHTS Hands-On Inquiry Science Curriculum*. Newton, MA: Education
Development Center, Inc., 1994.

Inquiry-based, hands-on science curriculum to teach science in the true spirit of scientific exploration and discovery.

Gartrell, Jack E., Jr. *Methods of Motion: An Introduction to Mechanics Book One*. Washington, DC: National Science Teachers Association, 1992.

Teacher curriculum resource.

Lafferty, Peter. *Force and Motion*. New York, NY: Dorling Kindersley, Inc., 1992.

Eyewitness Science Book. Explores the principles of force and motion, describing how they have been applied from ancient to modern times.

Marson, Ron. *Motion*. Canby, OR: TOPS Learning Systems (Task card series), 1990.

Teacher curriculum resource.

Marson, Ron. *Pendulums*. Canby, OR: TOPS Learning Systems (Science with simple things series),
1983.

Teacher curriculum resource.

Sauvain, Philip Arthur. *Motion*. New York, NY: Macmillan, 1992.

*Defines motion, describes its different types, and discusses how motion is used in bicycles, escalators, typewriters, and other types of machines.*