

## Simple Machines Song

*Covenant Academy*

*Cypress, TX*

(sung to “Bill Grogan’s Goat”)

A simple machine . . . (echo)

Makes work less work . . . (echo);

A little force . . . goes a long way . . .

Screws, pulleys, axles, inclined planes, wedges, levers—

Simple machines make work less work.

Simple machines . . . (echo) make something move . . . (echo).

They can add speed, or change direction.

In fact all mechanical devices are really

Simple machines in many combinations.

A lever is . . . (echo) a simple machine . . . (echo)—

It makes things move with a little force .

All you need is a bar and a fulcrum and you can move that heavy load.

A first class lever . . . (echo):

Fulcrum in the middle . . . (echo), resistance

on (echo) the other end . . . (echo).

Second class, fulcrum is on the end, resistance

in the middle of the lever . . . (echo).

With a third class lever . . . (echo), the force and resistance . . . (echo)

Move always in . . . (echo) the same direction . . . (echo).

First class, a see-saw;

Second, a wheelbarrow;

Third class, a shovel or a fishing rod. (echo)

A pulley is a kind of lever . . . (echo) allowing force continually.

King Hiero’s ship moved so easily

When hooked up to a series of pulleys.

Comments from **Covenant Academy**: This song accompanies a science unit on Archimedes, based on a read-aloud of Archimedes and the Door of Science by J. Bendick.

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