

# Simple Machines- Inclined Plane

## Inclined Plane

An inclined plane is a flat surface that is tilted at an angle, with one end higher than the other. An inclined plane can help raise or lower a load.

An example of an inclined plane is a ramp.

**Activity:** Make an inclined plane with boards, string, rubber bands, and a heavy book. Lean the board against objects of different heights. Tie rubber bands around the book and tie the string to the rubber bands. Pull the books up the inclined plane.

After you make your inclined plane, answer these questions:

1. Is it easier to pull the book straight up in the air, or up the inclined plane? Why?
2. Look at the stretch of the rubber bands during the straight up pull compared to different inclined planes. During which is the rubber band longer?

