



Rowing two people in a guideboat on Lower Ausable.

## Boats & Boating

What type of simple machine are the oars on a guideboat?

- \_\_\_\_\_

## Woods & Waters

1 - In the back of the gallery, not far from the wooden statue of Noah John Rondeau, is a case displaying mountain climbing gear. Which simple machine help crampons and pitons work?

- \_\_\_\_\_

2 - Another tool located in the mountain climbing display is an ice axe. An ice axe is actually a complex machine that uses two simple machines to accomplish its work. Which two?

- \_\_\_\_\_
- \_\_\_\_\_

## Simple Machines

### Definitions

#### Lever

A rigid platform that moves around a fulcrum to lift and lower.

#### Wheel & Axle

A wheel and a rod that turn together to move a load.

#### Pulley

A grooved wheel that turns on an axle with a rope, chain, or belt. It used to lift or move loads.

#### Inclined Plane

A surface with one raised end used to move an object from one level to another.

#### Wedge

A tool with one narrow edge that used to cut, separate, or hold objects in place.

#### Screw

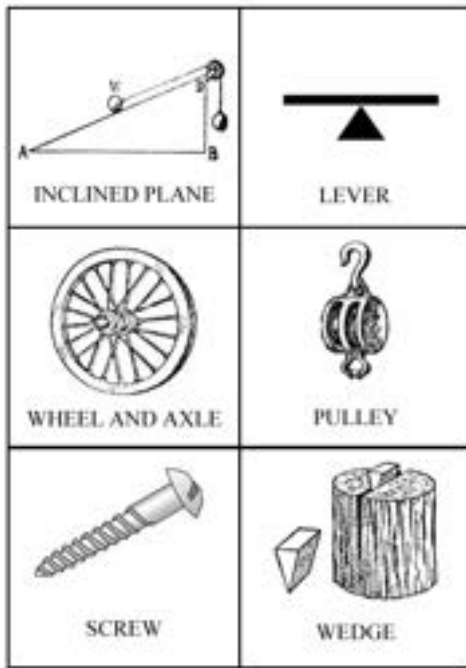
A thin rod or bar with a ridge running around it, used to hold things in place.



# Adirondack Experience



*Gadgets & Gizmos  
Scavenger Hunt*



## Life in the Adirondacks

1 - Find the vehicle that Theodore Roosevelt rode from Tahawus to the train depot. Which simple machine helps this vehicle to roll on mountain roads?

- \_\_\_\_\_

2 - Find the Adirondack Iron exhibit. Look way up, you will see an example of how the miners stowed their clothes and tools. What simple machine lowered and raised those items?

- \_\_\_\_\_

3 - Find the 'Tapping the Trees' exhibit. #1 Drill The Hole - shows a tool that is a great example of which simple machine?

- \_\_\_\_\_



*Barienger Brake*

## Outside Work in the Woods

Find the Barienger Brake. This is a complex piece of machinery. Which simple machines do you see on the Barienger Brake?

- \_\_\_\_\_
- \_\_\_\_\_

## Whiteface Fire Tower

Which simple machine are the stairs that go up the fire tower?

- \_\_\_\_\_

## Instructions

- The exhibition buildings are listed in this pamphlet like this:

### Name of the building

- In the exhibition, find the object from the question.
- Answer the questions. Each answer is a simple machine.