

Simple Machines Activity

A bike is a more complex machine with lots of working parts but a **WHEEL AND AXLE** is the main part that helps it roll. Make your own wheel and axle with **Activity #2** below or of your own creation!



Can you name the other 7 simple machines found on a bicycle?



Simple Machines help make work easier in our everyday lives.

Many have been used so long in human history that no one knows who first invented them.



ACTIVITY 1: Use the orange words at the bottom of the page to read the names of all the simple machine types aloud.



ACTIVITY 2: Make a crafty car!

Gather the following **materials** and ask your grown up for help if needed.

- scissors
- cardboard
- hole punch
- 2 twist ties
- ruler
- paper tube
- straw
- marker
- tape



1. Draw and cut out four 4cm circles for the wheels. Trace the end of the paper tube for a template.
2. Punch two holes in the middle of each wheel leaving a small space between holes so the wheels look like buttons.
3. Put the end of a twist tie through one hole and back into the other. Twist the end onto itself to fasten.
4. Cut the straw so you have two 4cm pieces.
5. Slide one piece of straw onto the twist tie and wheel to make the axle.
6. Weave the end of twist tie through the holes in second wheel, twisting it back on itself to secure. Repeat steps 3-6 to make another set of wheels and axle.
7. Tape both straw axles to the paper tube. Decorate to look awesome!

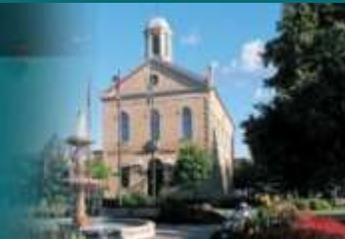


Find an **inclined plane** to roll your mini car down!

Lever, Wheel and Axle, Pulley, Inclined Plane, Wedge, Screw.



Woodstock Museum
National Historic Site



If you like our learning activities and want to make a donation please visit woodstockmuseum.ca