



Craft Stick Gears

Lesson: Mechanics/Motion

Supplies Needed:

Scissors

Craft Sticks

Glue

Bottle Tops (small and large) *

Cardboard Box*

**Student brings or Teacher provides*

Steps:

Cut your box down to a size that allows you to work within it.

Glue 3 small bottle tops inside of the cardboard box.

Glue small bottle tops to the larger bottle tops for gripping.

Cut popsicle sticks in half and glue each popsicle stick half evenly around the large bottle top.

Place each gear on top of one of the smaller tops glued inside the box and turn each.

Optional: You can explore how gears can be used to change the direction of motion by mounting one on the side of the box.

