

JR ENGINEERS

CANDY COGS

This fun candy project is a great way to learn about how cogs and gears work!

INSTRUCTIONS

STEP 1: Mark the center of your lids with pencil.

STEP 2: Use a hammer and nail or drill to make a hole large enough for the fasteners.

STEP 3: Glue candy corns around the edges of your lids. Leave enough space between each one, so that the candy corn from the other lid/cog will fit smoothly in between when the gears move.

STEP 4: Use brad fastener to attach the cogs to a piece of cardboard.

STEP 5: Let the glue dry and then spin your gears/cogs.

SUPPLIES

2 Lids or tops

Glue gun

Candy corn

Nail

Hammer

Cardboard

2 Brad fasteners

THE SCIENCE

Gears are circles that have teeth, or cogs, around their edges. The cogs of each gear fit into the cogs of another. The gears and cogs work together to make things move.

Gears are simple machines that control force. Bicycles, watches, cars, factory equipment are all examples of machines that utilize gears.

If you watch carefully, you will notice that with two gears, one will move clockwise, and the other will move counter-clockwise.

