JR-ENGINEERS PULLEY

This simple pulley is easy and fun to make!

INSTRUCTIONS

STEP 1: Poke two holes in your cup and tie your string so it will lift the cup in the center.

STEP 2: Cut two circles from cardboard and poke a hole in the center of each.

STEP 3: Glue the cardboard circles to each side of the thread spool.

STEP 4: Thread the spool through a wire and then suspend the wire.

STEP 5: Fill your cup with marbles.

STEP 6: Pull your string across the thread spool pulley to lift your cup of marbles with ease!

PULLEY

Pulleys are commonly used to lift objects, especially heavy objects. The object lifted by a pulley is called the load. The force applied to the pulley is called the effort. This is the transition of energy into motion.

The earliest evidence of pulleys dates back to Ancient Egypt. In modern times you will find pulleys on a clothesline, a flagpole, and a crane.

SUPPLIES

Thread spool
String
Cardboard
Scissors
Cup
Marbles
Wire
(for suspension)













