

# Crank Assembly Task Cards

## Each Crank is made from:

- 1 3" Circle
- 1 1" Circle
- 1 Dowel

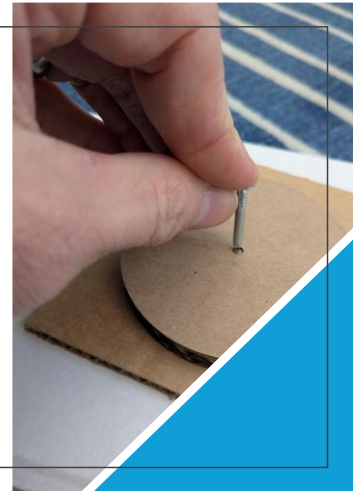
## You will also need:

- Glue, glue cup, and paintbrush
- Tape
- Nail
- Hole making template (3" chipboard circle)
- Cardboard scrap
- Scissors (*not included in kit*)

## Crank Assembly

Use the nail, hole-making template, and scrap cardboard to make a hole in the center of the 3" circle.

**SAFETY NOTE:** Place the scrap cardboard under the circle and push the nail through the circle and into the scrap piece. Do not hold the circle in your hand when making the hole.



Task assigned to: \_\_\_\_\_

## Crank Assembly

Use the paint brush to apply a thin layer of glue over one side of the 1" circle.

Glue one 1" circle on the top side of the 3" circle over the laser-cut hole.

**Tip:** make sure the holes on the small and large circles line up exactly.



Task assigned to: \_\_\_\_\_

## Crank Assembly

Let the crank dry.

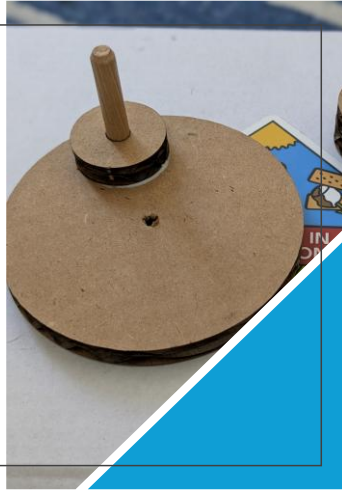


Task assigned to: \_\_\_\_\_

## Crank Assembly

Glue a dowel through the 1" circle and down to the bottom of the 3" circle.

**Quality Control:** Make sure the dowel is flush with the bottom of the large circle and does not push out through the tape.



Task assigned to: \_\_\_\_\_

## Crank Assembly

Cut a piece of tape between  $\frac{1}{2}$ " and  $\frac{3}{4}$ " and place over the hole on the bottom of the 3" circle.

**Quality Control:** Tape must be cut to the correct size and completely cover the hole. Tape may not extend over the edge of the circle.



Task assigned to: \_\_\_\_\_

## Crank Assembly

Inspect all parts.

Poke out any cardboard left in the small laser-cut holes.

Smooth any rough edges.



Task assigned to: \_\_\_\_\_