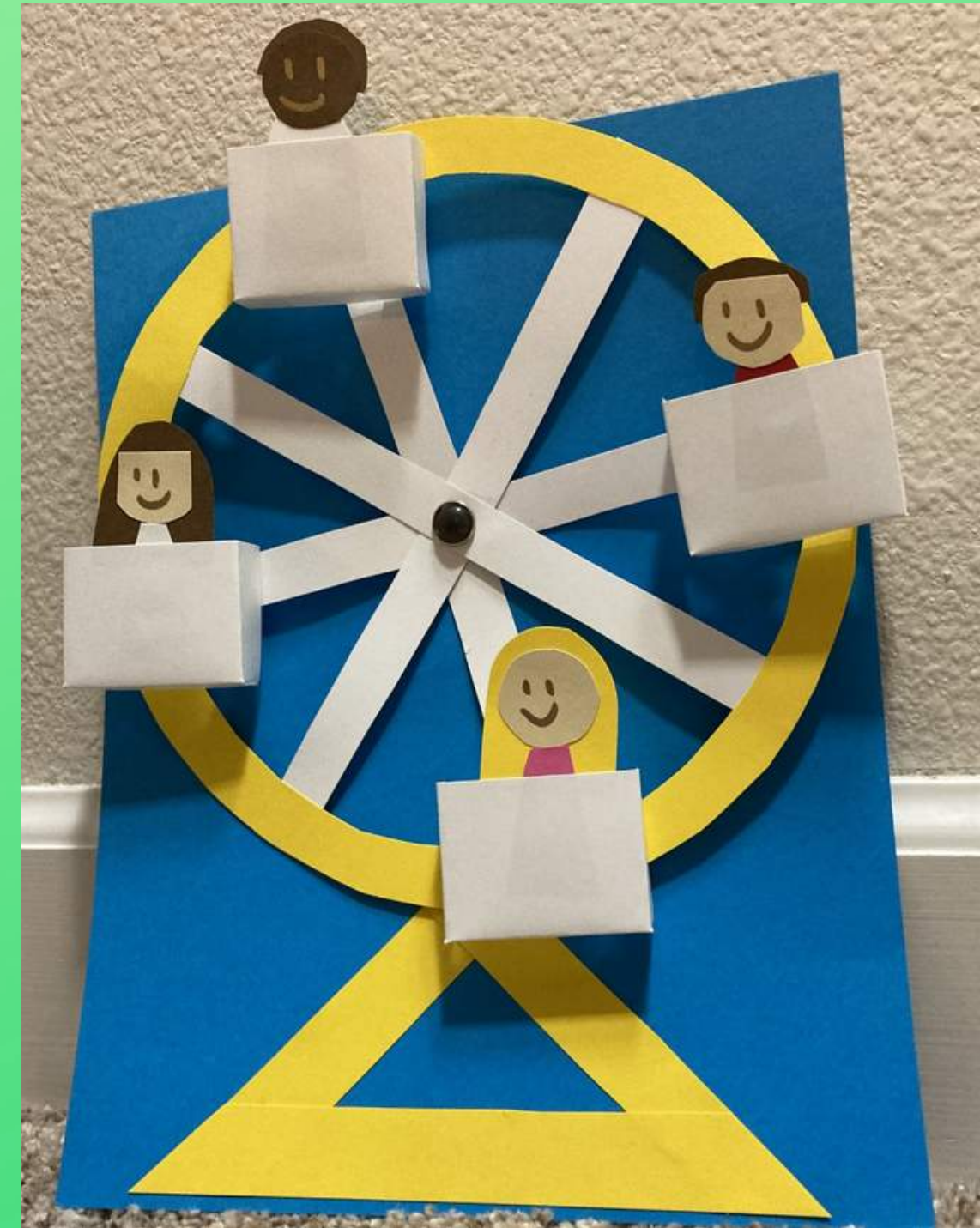


Saturday STEAM: How to Make a Working Paper Ferris Wheel

Welcome to Saturday STEAM!
This week, we will be making a
working paper Ferris Wheel to
celebrate Ferris Wheel day,
which is held every February
14th.



Saturday STEAM: How to Make a Working Paper Ferris Wheel

Supplies:

- blue cardstock for background
- other colors of cardstock for Ferris wheel and riders
- something large and round to trace
- pencil
- scissors
- paper piercer
- brads (1 large, 4 small)
- ruler
- glue
- colored pencils



Instructions



- **Using your circular object(s), trace a large circle with a smaller one inside. Cut the inner circle out to make the wheel of the Ferris wheel.**
- **Cut 3 strips of paper to make the base of the Ferris wheel.**

Instructions



- **Cut out four long and skinny strips for spokes. Punch a hole in the center of each spoke, and connect them with the large brad. Glue the spokes to the large circle. Cut off any excess spoke pieces.**

Instructions

- **Poke a hole in the center of the blue paper. Put your Ferris wheel brad in the hole. Now your Ferris wheel spins! If you want to, you can skip the brad and your Ferris wheel will not spin. It will be much easier to make. If you do this, you should probably skip all of the brads in later steps.**

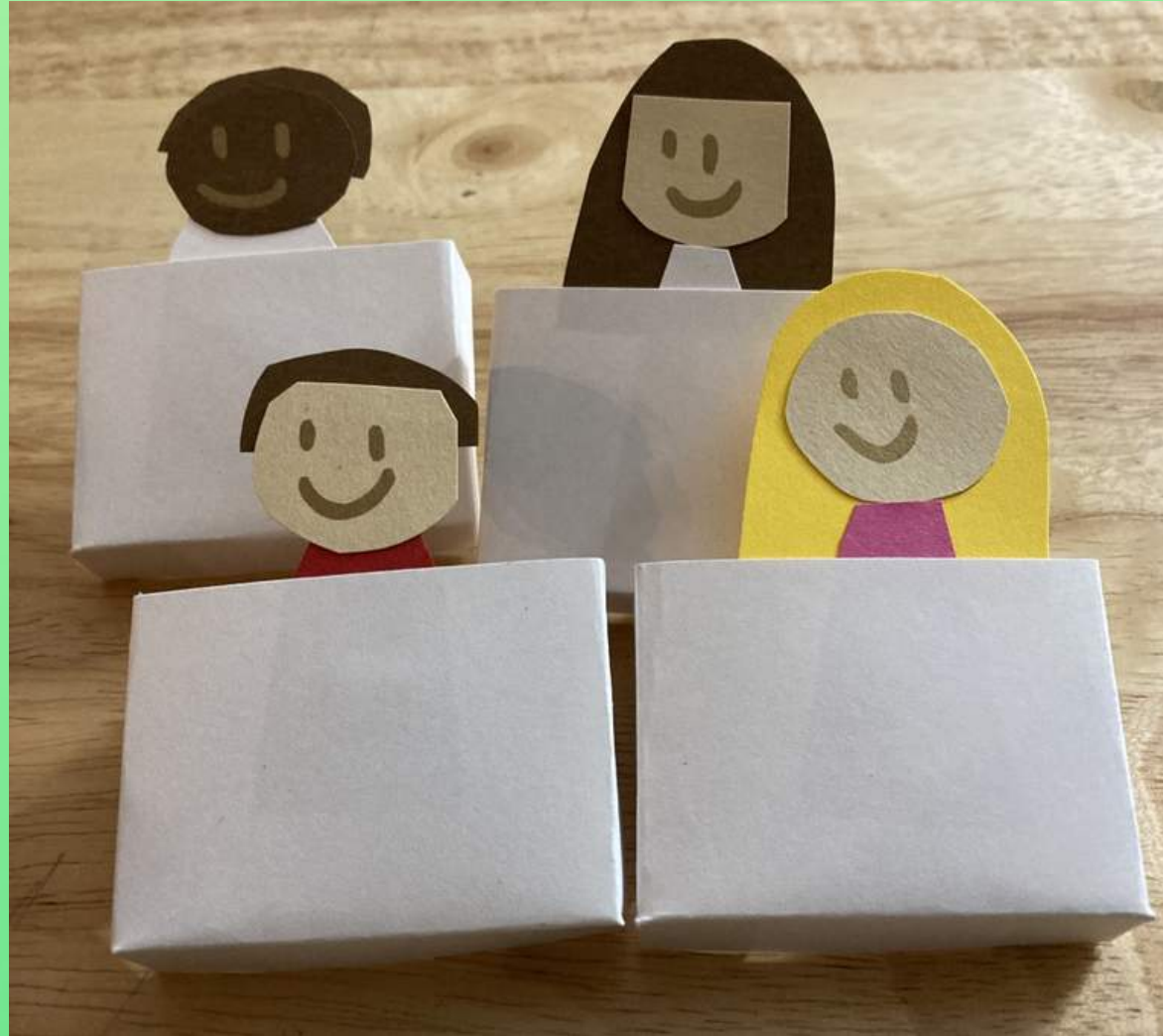


Instructions



- **Make riders for your Ferris wheel using construction paper or cardstock.**
- **Make four carts using 2" x 3" rectangles. Fold the sides and the bottom 1/2" and snip a tiny bit along the bottom for 1/2" to make a tab for gluing.**

Instructions



- **Glue the tabs together to make a cart for your riders.**
- **Glue your riders inside the carts.**

Instructions



- **Cut out four 3" cardstock strips. Fold 1/2" of each end of the strips, then poke a hole in the center of each one for the brad.**
- **Glue to the carts and riders.**

Instructions



- **Poke holes in four of the spokes to hold the carts. Put the brads in each strip to connect the strips to the Ferris wheel.**
- **Take it for a spin!**

Resources

deRosier, C. (11 August, 2015). Project CAT - challenge #7: Ferris wheel. *My Creative Life*. <https://www.cindyderosier.com/2015/08/project-cat-challenge-7-ferris-wheel.html>

Malanowski, J. (June, 2015). The brief history of the ferris wheel. *Smithsonian Magazine*. <https://www.smithsonianmag.com/history/history-ferris-wheel-180955300/>

Web Desk. (20 October, 2020). Hydraulics makes the ferris wheel rotate: How it works? *Worldwide Hydraulic Professionals*. <https://whyps.com/hydraulics-makes-the-ferris-wheel-rotate>