## **ENGINEERING CHALLENGE**

# Fairy and Dragon Races



# Let's make some fairies and dragons and host a magical race!

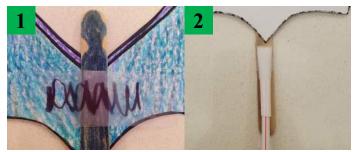
#### Materials Needed:

Standard size popsicle sticks, scotch tape, markers, crayons or colored pencils, 2 different sizes of drinking straws (one need to be able to fit inside the other), scissors, and fairy or dragon wings

Instructions:

- 1. Decorate your popsicle stick using the markers. Include a face and clothes.
- 2. Cut out the fairy or dragon wings of your choice.
- 3. Decorate the wings to your liking with the crayons and colored pencils.
- 4. Using a looped piece of scotch tape, attach the wings to the back of the popsicle stick. As an alternative, place the popsicle stick on top of the wings and place a piece of tape across the stick so that the wings are attached (see picture 1).
- 5. Cut a 1.5 inch long piece of one of the wider straws.
- 6. Flatten one end of the straw and wrap some tape around it. Be sure that no air can make it through the straw!
- 7. Attach the straw to the back of the popsicle stick with more tape (see picture 2).
- 8. Put one of the smaller straws into the straw on the fairy. Don't put it in too far, or your fairy/dragon won't fly!
- 9. Lay fairy flat on a table and blow into the straw.

### Watch your fairy or dragon fly!





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