

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!



