

Amaze Your Brain *at Home!*

EXPERIMENTS

BEST FOR
Grades
3-12

HYDROPOWER CHALLENGE

MATERIALS

- 6 plastic spoons
- Empty tissue box
- Cardboard
- Wooden pencil
- Scissors
- Hot glue (with an adult)
- Cup of water
- Large bowl, tube, or sink
- Ruler or tape measure
- Scotch tape
- Clear cup
- If you don't have some of these materials, get creative and use something else you can find!

INSTRUCTIONS

1. Using the cardboard, cut a circle with 3-inch diameter. Mark the edge of the circle at 2, 4, 6, 8, 10, and 12 o'clock.
2. Use scissors to cut the spoons at halfway along the handle and hot glue the spoons along the marks you just made. All scoops should be facing the same direction and the handles should meet at the middle. Allow the hot glue to dry!
3. Hot glue or tape the back end of the pencil to the back of the cardboard, ensuring that the pointy side of the pencil is up.



Steps 1 and 2



Step 3

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(CONT.)

4. Cut out two additional 3-inch circles from the cardboard and punch a hole large enough for the pencil to fit through. Make sure to ask an adult for help, if needed!
5. Cut a hole in the middle of the bottom side of the tissue box. Tape one of the extra circles to the outside, aligning the holes. Slide the pencil through the hole of the circle you just taped.
6. On the opposite side of the tissue box, slide the last cardboard circle onto the pointy tip of the pencil and tape the circle to the box. The pencil should now be stable.
7. Place something heavy inside the tissue box to stabilize it and then decorate!



Step 4



Step 6

TRY THIS!

Experiment by changing the number of spoons, their placement, the amount of water flow, and have you tried forks instead?



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