

Take the Challenge

Water Slides

 20 Minutes



Instructions:

1. Your task is to build a working water slide that will transport a toy figure down the slide- without leaking water.
2. Here are instructions to build the water slide but you can also choose to be creative and make your own version.
3. Make the slide:



- Cut a paper tube in half lengthwise.
- Add a line of glue down the inside center of each half tube.
- Cut a piece of plastic wrap or aluminum foil large enough to cover each half tube and attach it to the glue at its center.
- Continue wrapping the half tubes all around the back, sides and ends, and secure with tape.
- Attach the tubes together by placing one tube slightly inside of the second tube. Secure with tape on the backside of the tubes.

OVERVIEW

Design and build a water slide that can transport cargo down it!

SUPPLIES NEEDED

- Paper Tube (1 big or 2 small)
- Plastic Wrap or aluminum foil
- Paper Straws (4)
- Paper Cups (3)
- Glue
- Tape
- Bowl
- Water
- Mini toy figure



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4. Build the support structure:



- Stack the openings of 2 cups and tape them together.
- Insert 2 straws inside the top of the taped cups to form a V shape. Poke holes to insert the straws and tape them in to keep it secure.
- Take another cup and turn it upside down.
- Insert 2 straws inside the top of the upside down cup to form a V shape. Poke holes to insert the straws and tape them in to keep it secure.

5. Put the slide together:



- Take the water proofed tube and lean it on top of the cup-straw structure.
- Place a bowl at the bottom of the slide to catch the water.

6. Practice!

- Pour water from the top of the slide and watch it slide down to the bottom, check that the bowl is placed in a way that it catches the water.
- Add a mini toy figure to the top of the slide and pour water onto the slide to see if it can transport the cargo down the slide!

7. Here are some other ideas to add to your slide:

- Make a ladder or ramp that reaches to the top of the slide.
- Make a curve in the slide and adjust the support structure to keep it in a position for the water to flow down.
- Get creative and use your imagination!