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Design a Beaver Dam

Beavers are excellent engineers. They cut down trees by gnawing through the trunks with their sharp teeth and powerful jaws, and then use the branches to dam up a stream.

You'll need:

- Natural materials from outside, like grass, pine needles, leaves, twigs, sticks, and mud
- Household items like craft sticks, playdough, clay, straws, and blocks
- A pan or tray
 - Or build a mini stream table out of cardboard, covered in foil.
- Water



What to do:

1. Collect the building materials.
2. Set up the pan or stream table at a slight angle to allow the water to flow.
3. Build a dam.
4. Test it by pouring water onto the pan.
5. Observe what happens.
 - a. Did water pass through it?
 - b. Was it strong enough to hold back the water?
6. Make modifications to the dam and try it again.

