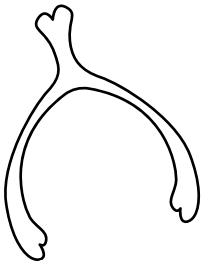
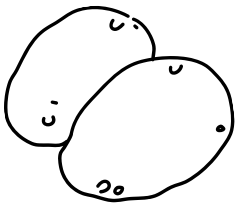
STEAM CHALLENGE

Thanksgiving EDITION



Bendy Bones - A Fun Experiment to Uncover the Importance of Calcium
After your Thanksgiving dinner, have you ever wondered what you can do with the leftover bones? Try this experiment out and see for yourself if your bones can bend or break! First, wash the bones thoroughly and then grab two jars. Fill one jar with vinegar and the other with water. Then, put the bones in each jar and label them accordingly: water and vinegar. Leave the turkey bones to soak for at least a week. After a week, remove the bones and rinse them off. You'll find that the bones that were in vinegar have become bendy! This is because the calcium carbonate in the bones reacted with the vinegar. This experiment shows how important calcium is for bone strength, so they don't bend or break easily. Let's make sure to keep our bones healthy!

Amazing Sweet Potato Sprouting Experiment
Want to witness a sweet potato transform into a vibrant bush? Try this experiment! Begin by finding a sweet potato with buds. Then, insert four toothpicks evenly on the sides of the sweet potato. Place the sweet potato inside a clean jar, allowing the toothpicks to rest on the jar's rim. Next, fill the jar with water, ensuring that the bottom half of the potato is submerged. Position the jar in a bright spot, maintaining the water once a week. Observe as your sweet potato flourishes! To encourage bushier growth, trim the stems to 12 inches long.



The Corn Cob Explosion
Get ready to amaze the kids with this popcorn cob experiment! First, take a dried corn cob and place it in a brown paper lunch bag. Then, fold the bag over twice to keep the kernels inside. Microwave the bag for 2.5 minutes or until the popcorn has stopped popping.
The result? A cob of popcorn that your children will love.

The Science Behind Dancing Dried Cranberries
Looking for a fun experiment to try at home? Take some dried cranberries and add them to a glass of Sprite. Observe as they move up and down in the glass. This happens because the carbon dioxide gas in the soda adheres to the rough edges of the dried cranberries, causing them to rise to the top. As they reach the surface, the bubbles pop and release the CO_2 into the air, making the dried cranberries fall back down.

brenham children's museum

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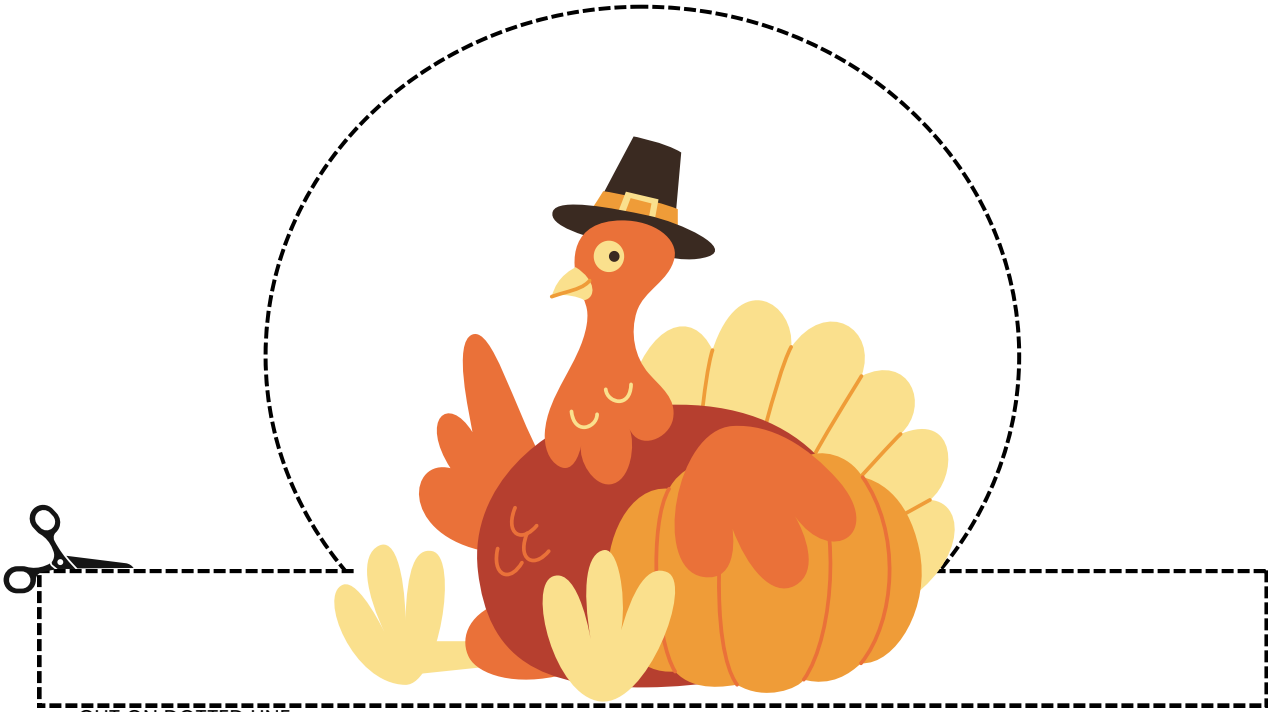
www.brenhamchildrensmuseum.com

STEAM CHALLENGE

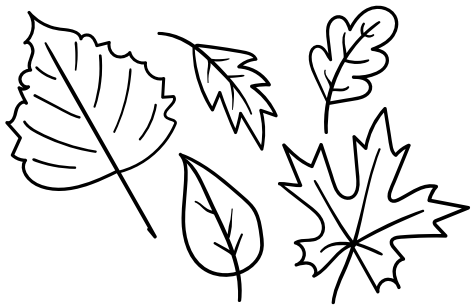
Turkey Trouble

Tom the Turkey doesn't want to be eaten for Thanksgiving dinner. He keeps running away from the farm! Make a cage for Tom so that he doesn't get away

Materials:
Scissors
Toothpicks
Mini Marshmallows



CUT ON DOTTED LINE



Autumn Leaf Art

Make a stack of two coffee filters. Trace leaf shape and then cut out the leaf shapes while holding the two coffee filters together. Keep the two layers of coffee filter leaves together in a stack. Color on the leaf with washable markers. Use an eyedropper to add one or two drops of water at a time to the leaf. Watch the water spread and blend the colors!

Materials:
Scissors
Washable Markers
Water Bottle or Dropper

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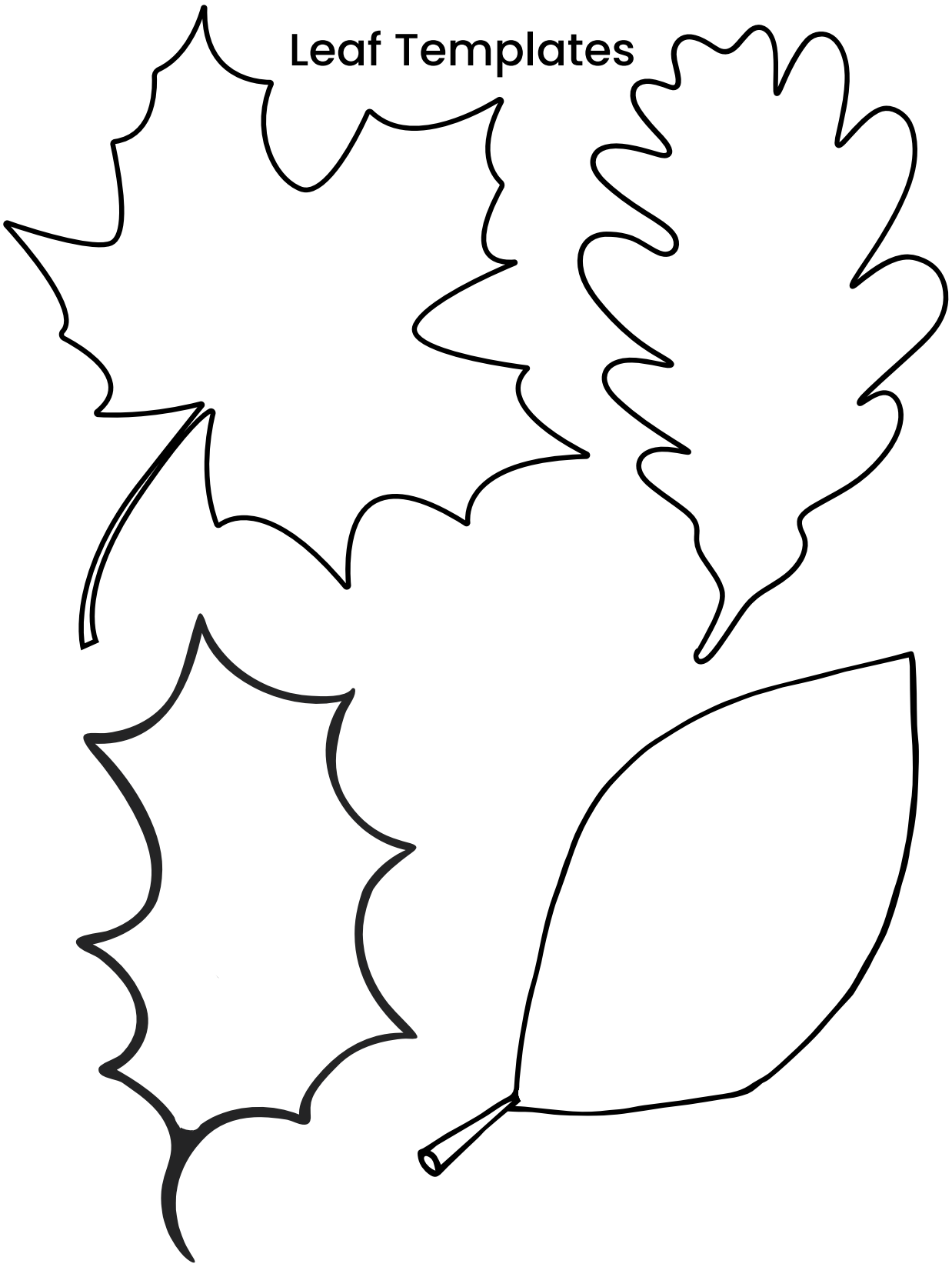
Leaf Templates



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