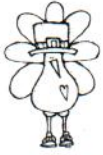


# November Family STEM Project: Be an Engineer



## **Directions:**

Look through the Thanksgiving Challenges with your child. Have them choose the project that is the most interesting to them. **You only need to do one project.**

Gather your materials. Then, have a parent list the materials you will use on your recording sheet.

Plan how you will build your project. Draw a blueprint of what your finished product will like. (Please draw neatly and color it in.) Parents can help you label what is in your picture.

Construct the project of your choice using the materials (or similar materials) listed on the project page.

Talk about the parts of your project that worked well and have a parent record your thoughts.

Talk about what was challenging or tricky when constructing your project. Have a parent record your thoughts.

What could you do next time to make your project better? Talk about some ideas with your parent and have them record it on your sheet.

## **Turn it in:**

Please return your recording sheet completely filled out with your name on it. Send in a photograph of your project. (If you do not have a way to photograph your project you may send it in.)

## **Technology Option:**

Take a picture of your project and e-mail it to your teacher. We will project it onto the SmartBoard for you to present.

**November is a short school month. You may bring in/e-mail your project in as soon as it is finished. The Final due date is**

\_\_\_\_\_.

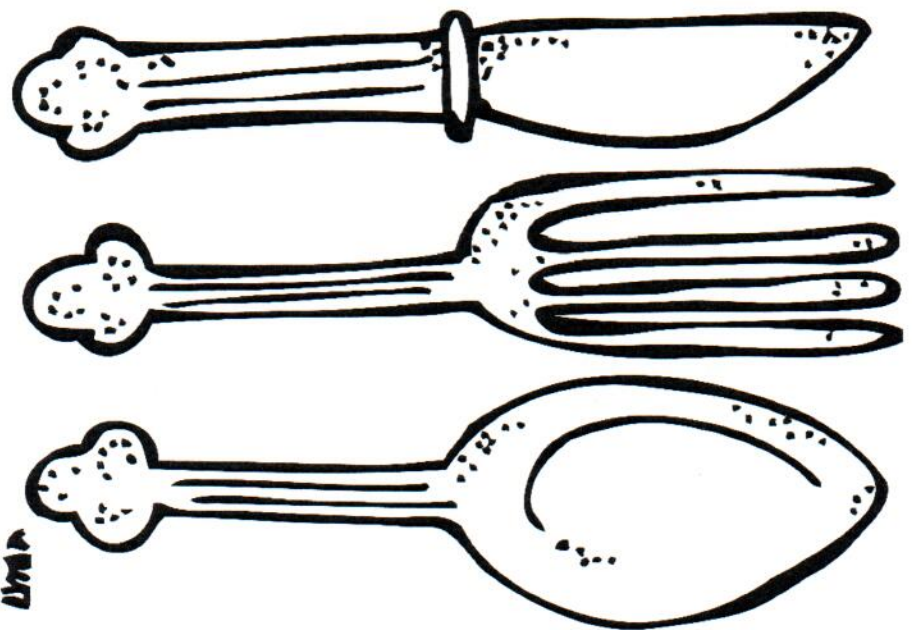
slane@sesk12.org  
Mrs. Lane

hbolter@sesk12.org  
Mrs. Bolter

gmilnik@sesk12.org  
Mrs. Milnik

# Dinner Table

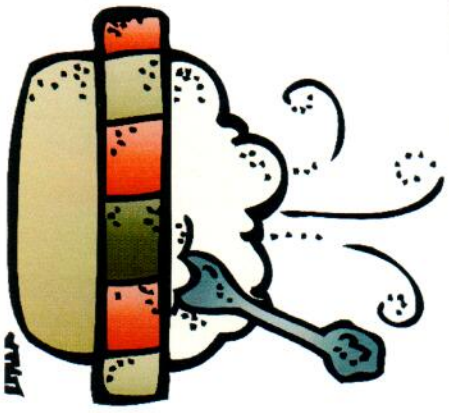
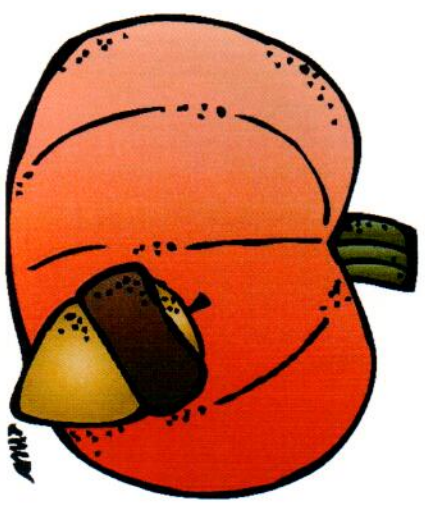
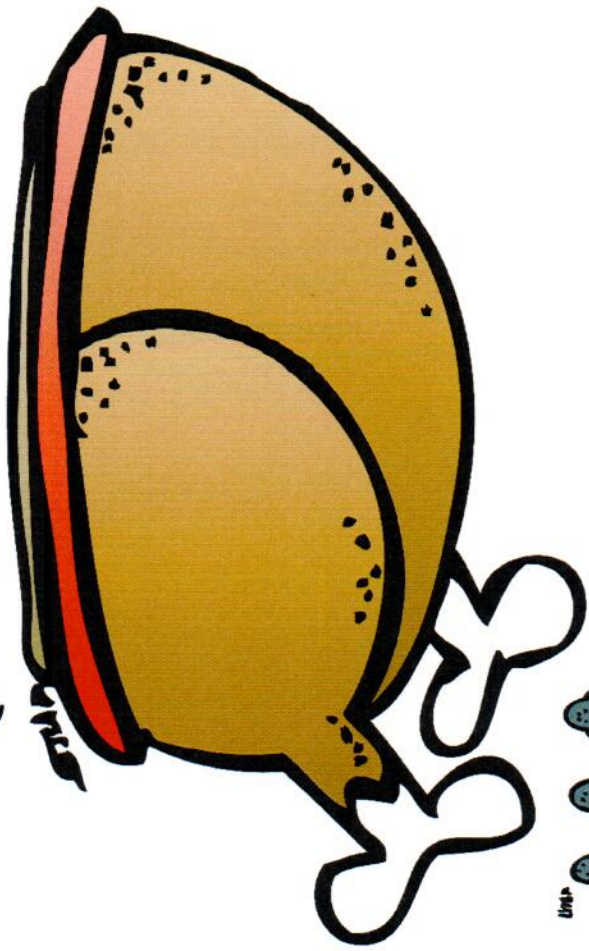
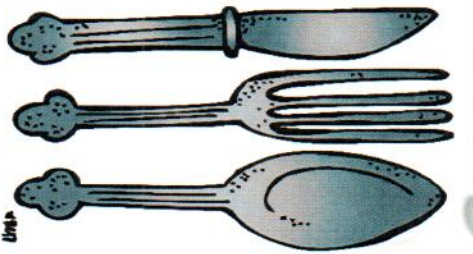
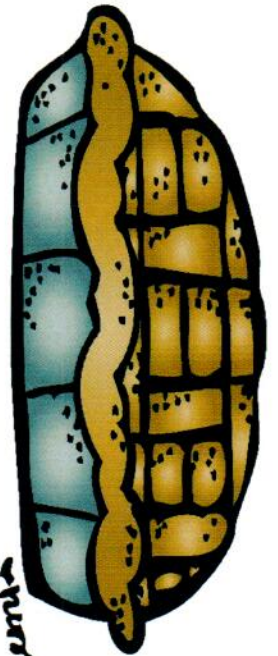
Construct a dinner table that will hold  
all of the Thanksgiving dishes.



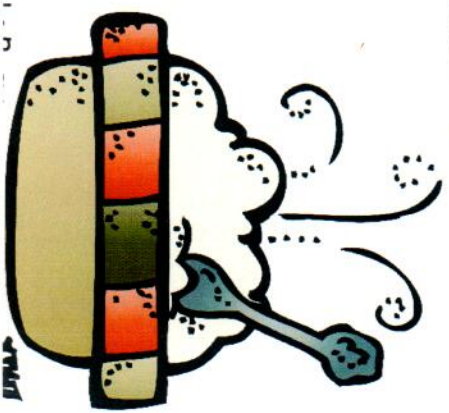
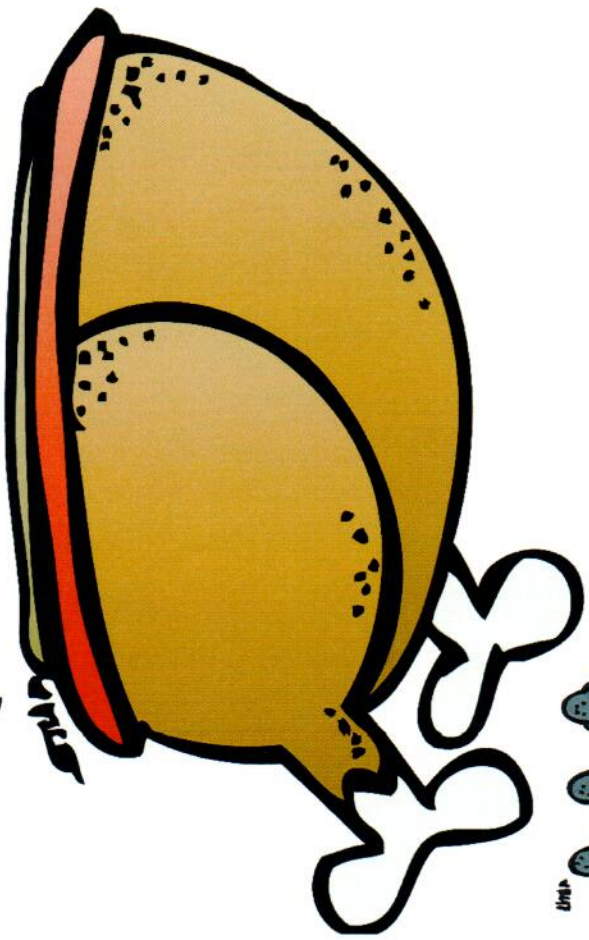
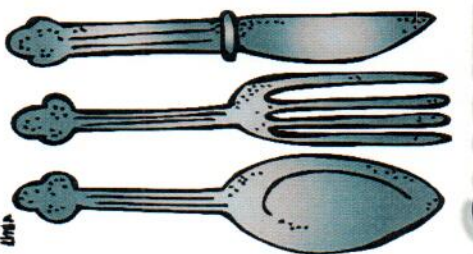
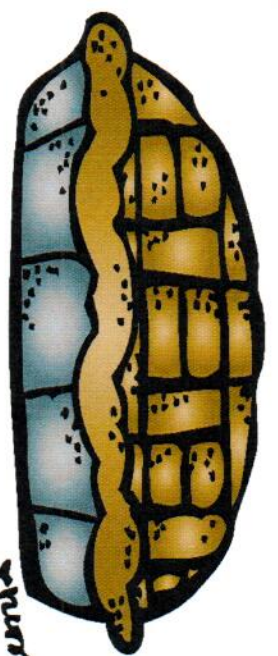
## Materials:

- \* Dominoes
- \* Popsicle sticks
- \* Copies of Thanksgiving food items on Page 7, with food cut apart

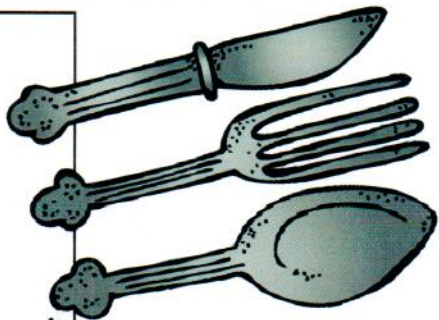
**Dinner Table Challenge**



**Dinner Table Challenge**



Name: \_\_\_\_\_



# Dinner Table

Can you construct a dinner table that will hold all of the Thanksgiving dishes?

**Materials:**

**Tests:**

**Number of dishes:** \_\_\_\_\_

**Number of dishes:** \_\_\_\_\_

**Number of dishes:** \_\_\_\_\_

**Number of dishes:** \_\_\_\_\_

**What worked well?**

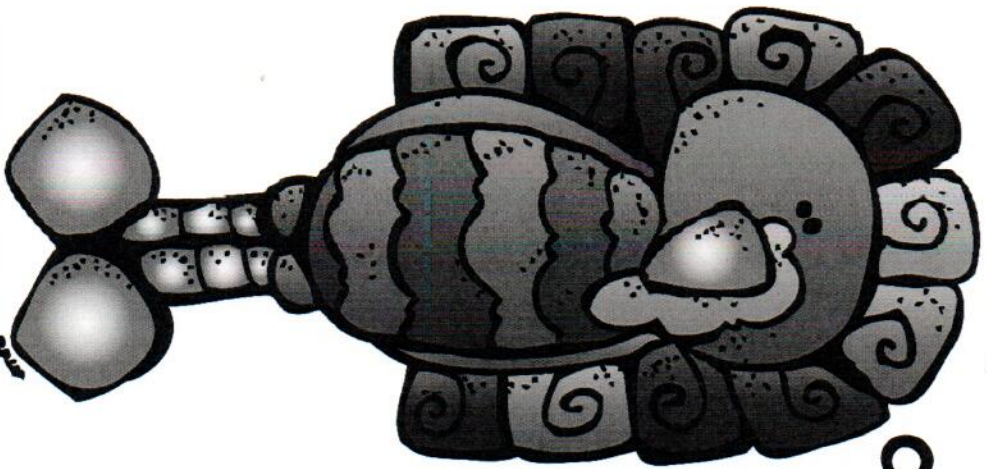
**What was challenging?**

**How did I improve my design?**

**Blueprint:**

# Turkey Hideout

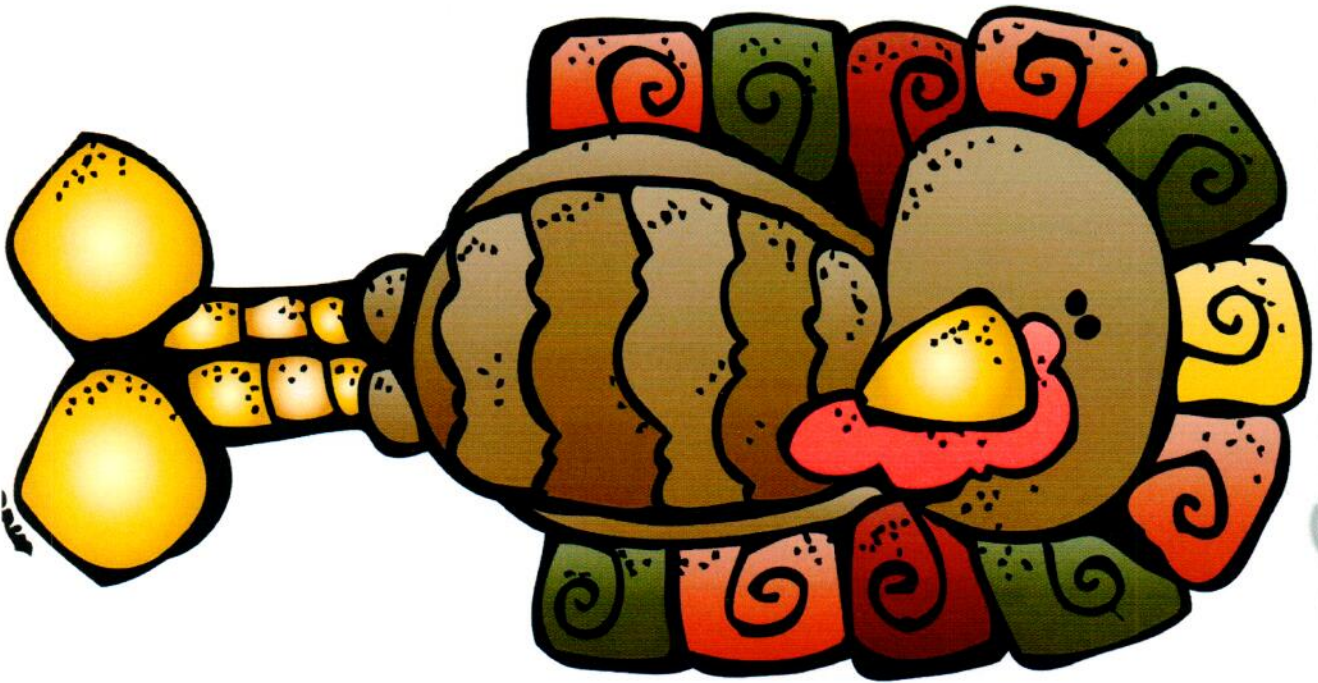
Construct a shelter that will keep the turkey completely hidden and safe during Thanksgiving.



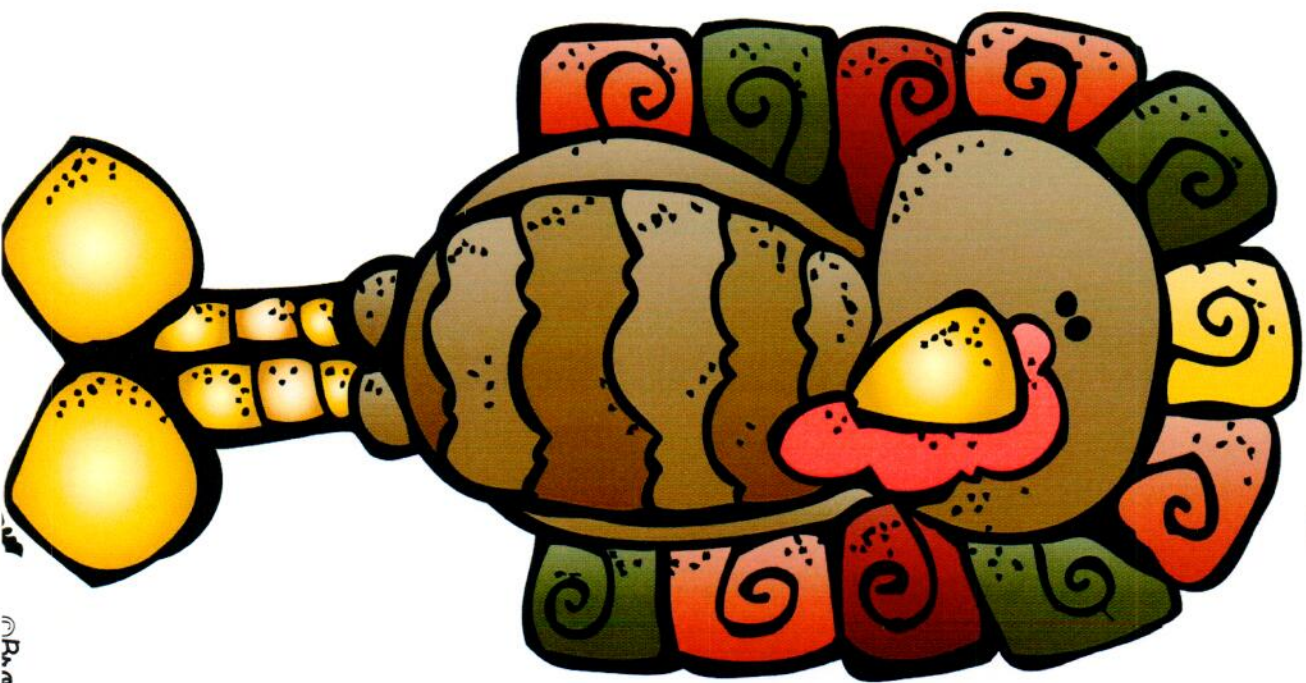
## Materials:

- \* Large plastic cup with paper turkey on page 10 taped to the front
- \* Building materials of your choice, such as Legos, Base Ten Blocks, wooden blocks, or unifix cubes.

# Turkey Hideout challenge



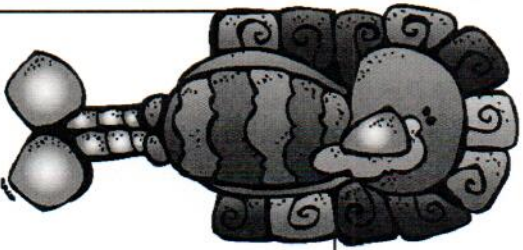
# Turkey Hideout challenge



Name: \_\_\_\_\_

# Turkey Hideout

Can you construct a shelter that will keep the turkey completely hidden and safe during Thanksgiving?



**Materials:**

What worked well?

**Blueprint:**

What was challenging?

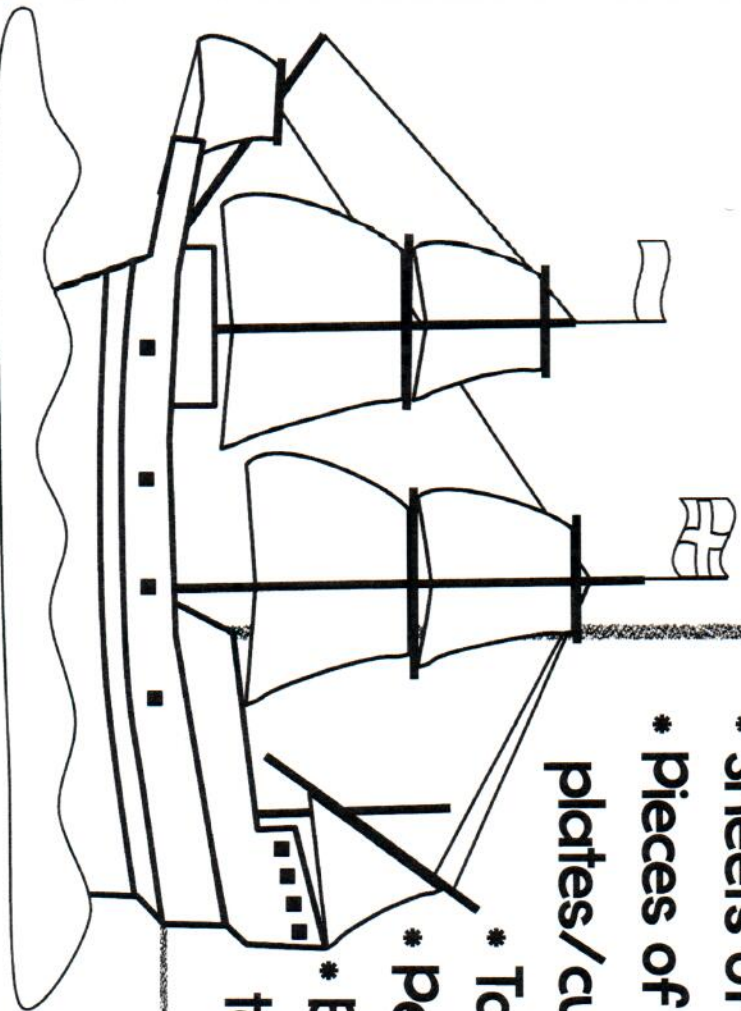
How did I improve my design?

# MAYFLOWER SHIP

Construct a Mayflower ship that will hold the most pilgrims.

## MATERIALS:

- \* Sheets of aluminum foil
- \* Pieces of Styrofoam or Styrofoam plates / cups
- \* Tape
- \* Pennies (to represent pilgrims)
- \* Bin filled with water for testing

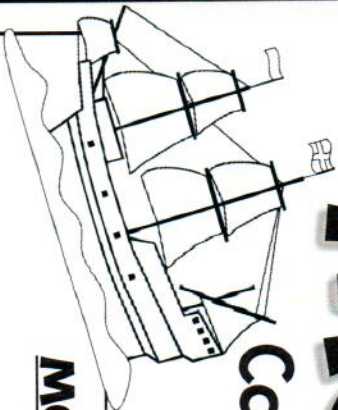




Name: \_\_\_\_\_

# Mayflower Ship

Can you construct a Mayflower ship that will hold the most pilgrims?



**Materials:**

**Number of pennies:** \_\_\_\_\_  
**Number of pennies:** \_\_\_\_\_  
**Number of pennies:** \_\_\_\_\_

**Tests:**

**What worked well?**

**What was challenging?**

**How did I improve my design?**

**Blueprint:**