



Help the Gingerbread STEM Challenge

Grade Range: Pre K – 3

Time: 30 Minutes

Synopsis: Students will be asked to create a bridge or a boat to help the gingerbread cross to safety.

Materials: (These are suggestions)

Boat

- Plastic tub
- Toilet paper roll
- Popsicle sticks
- Pipe fitters
- Straws
- Pipe Cleaners
- Yarn
- Construction paper
- Crayons & pencils
- Cardboard
- Water in bin
- REAL Gingerbread Cookies

Bridge

- Same materials for boat
- Make a river with construction paper
- 2 cups to hold the bridge

Instructions:

- Lay out all the materials on the table
- Allow students to walk around and look at all the materials to plan how to build their boat or bridge
- Allow students to choose if they would like to build the bridge or boat
- Students will make a blue print of their design and list the materials they will use
- After the students make and test their designs, they will answer the question at the bottom of the sheet

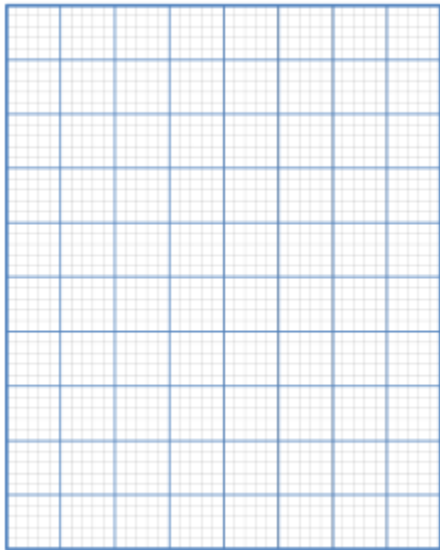
Gingerbread Stem Activity

Name: _____

Problem: Please help the Gingerbread Man cross the river so that he does not get wet and crumble! Can you build him a bridge to cross the river safely?

Design: Draw a blueprint of your design

Make a list of materials you will use here



Test: Was your bridge strong enough for the Gingerbread to cross? Yes or No (please circle)