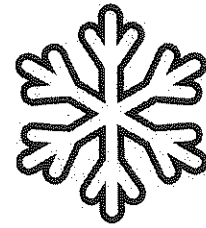


January

Family Stem Project



Due Date: _____

Design and Build a Bird Feeder

Problem

Birds have a problem in winter—they cannot find enough food. You are going to build a feeder that you can use to feed the birds this winter.

Think

Think and learn about how other people have designed and created bird feeders. Watch “Bird Feeding in Winter” by the Humane Society of the United States on You Tube. You may also Google: “bird feeder designs for kids” to see some great examples.

What type of birds live near your home? With a parent’s help, research birds that live in Tuolumne County. What kind of seeds or nuts will they eat?

Plan

Now that you know more about bird feeders, find out what materials you have. Gather materials from around your house (recycling is best) and lay them all out. How will you create a birdfeeder out these items? How will you hang it in a tree? How will it hold food for the birds? Draw your plan.

Have a parent help you label your plan with details. (Be sure to use items that are safe for birds.)

Build

Assemble your bird feeder. What is working? What is not? Evaluate problems that need to be changed in your design. Hang your Feeder in a tree or near a window of your home. Observe to see if birds come to eat.

Share With other Engineers

Send in a photo to share: A picture of you holding your feeder, a picture of your feeder in a tree, or a picture of birds eating from your feeder can be e-mailed to your teacher. If you don't have e-mail, bring your feeder in for share. Either way, you will share your feeder with the class (e-mailed feeders will be shared on the Smart Board).

Be sure to include the measurements of your feeder.

**Remember to turn in your plans with the following information for sharing:

My feeder is _____ inches high and _____ inches wide.

_____ birds can fit on my feeder at one time. It holds _____
how many type of seeds

because _____ will/may feed from it.
type of bird

REMEMBER TO INCLUDE YOUR NAME!

Name _____

My Bird Feeder Plan

Draw your bird feeder plan here. Have a parent help you label it. Name the materials you will use.

Google: Bird Feeder Designs for Kids

