



# Earth Friendly Birdhouses



Group Members: \_\_\_\_\_

## 1. What is the problem?

State the problem in your own words.

---

---

---

---

---

---

---

---

SOL Target Standards:

Science: 1.5, 1.7, 1.8, 2.4, 2.5, 2.7

English: K.2, K.3

Supporting SOL Standards:

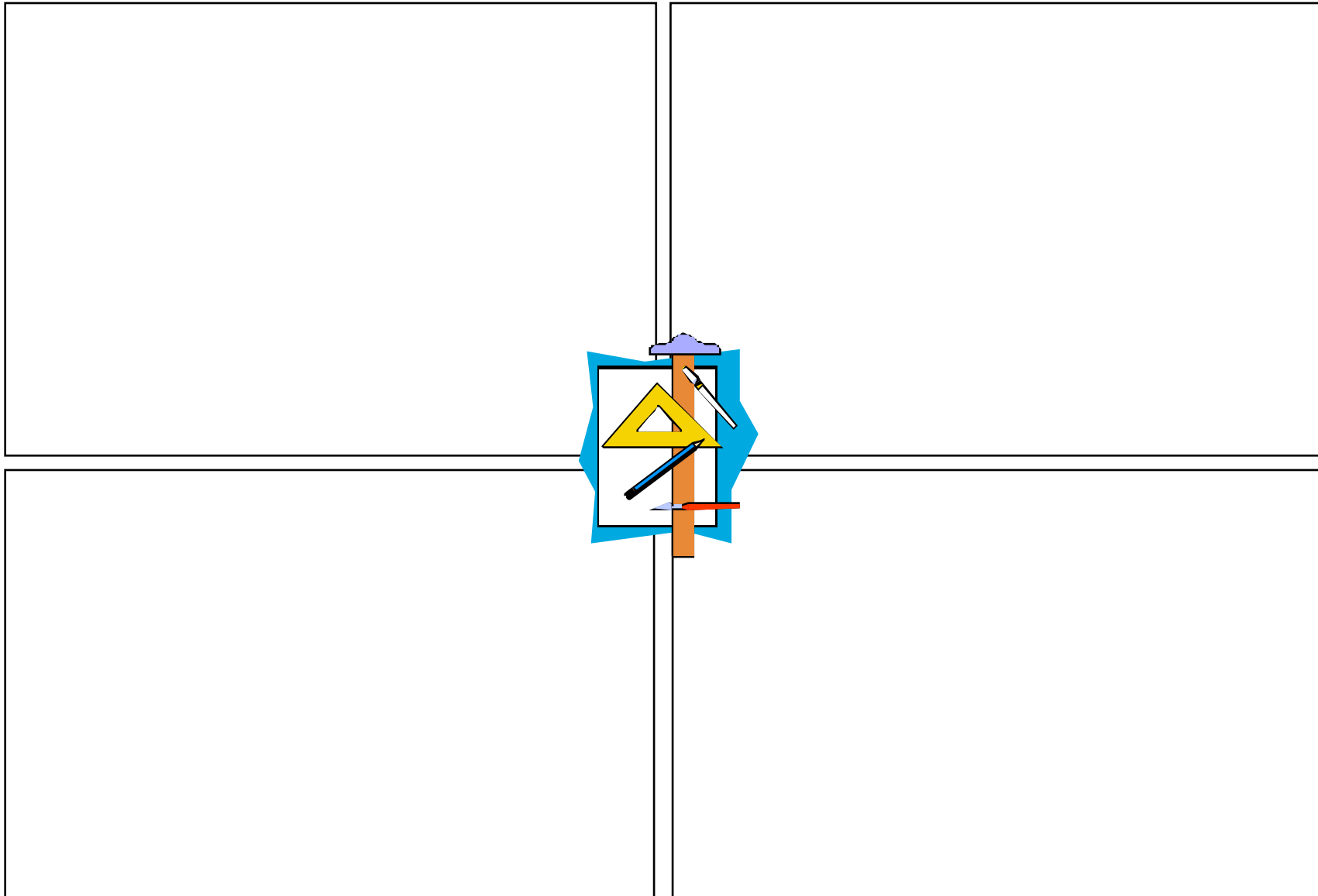
Science: K.6, K.10

English: 1.1, 1.2, 1.3, 2.2, 2.3

Math: K.12 , 1.2, 2.12

## 2. Brainstorm solutions.

Sketch or describe some possible solutions.



The form consists of four large, empty rectangular boxes arranged in a 2x2 grid, separated by a central vertical line and a central horizontal line. In the center of the grid, where the lines intersect, there is a colorful graphic. The graphic features a yellow set square (triangle) with a white interior, a blue pencil, a red pencil, and a white pen, all resting on a blue rectangular base. A purple eraser is positioned above the set square. The entire graphic is set against a white background with a thin black border.



## 4. Test your solution.

- Does your birdhouse have a door that is big enough for a golf ball to fit through? YES NO
  - Does it have a perch inside? YES NO
  - Does it have a perch outside the door? YES NO
  - Can your birdhouse hang from a tree or other support for 5 minutes with a golf ball inside? YES NO
  - Can it keep birds safe from rain and wind? YES NO
  - Do you think your birdhouse is squirrel and cat proof? Why? \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

## 5. Evaluate your solution.

Was it the best solution? Would one of your other ideas have been better? Why or why not?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What would you have done differently?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Can you add to it to make it better? What would you add to it?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Guided Portfolio

Attach a photograph of your final project here. If you do not have a photograph, draw a picture of your final product.



How would you make your project better? Draw a picture showing how it would look after you made changes to it.

