



# Growing Plants

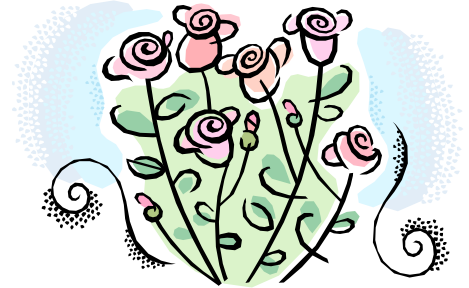
You have learned a lot of things about plants, including the parts of a plant. You know that plants have roots, stems, leaves, and flowers.

**Challenge:** Working with a partner and using the materials available, design and create a plant that has a stem, a flower, roots and leaves.

**Criteria:** Your plant must...

- \*use a different material for each part of the plant.
- \*include all 4 parts—stem, flower, roots and leaves.
- \*be able to stand alone.
- \*have all parts labeled.
- \*have at least 2 moving parts.
- \*be pretty and colorful.

You must work with a partner (or in a group of 3 if instructed by your teacher). You will make one plant together.



## **Materials:**

- \*construction paper
- \*toilet paper and paper towel
- cores\*craft sticks
- \*cardstock
- \*empty plastic bottles
- \*rubber bands
- \*yarn
- \*pipe cleaners
- \*masking tape—12 inches
- \*scotch tape—12 inches
- \*glue
- \*brads



## **Tools:**

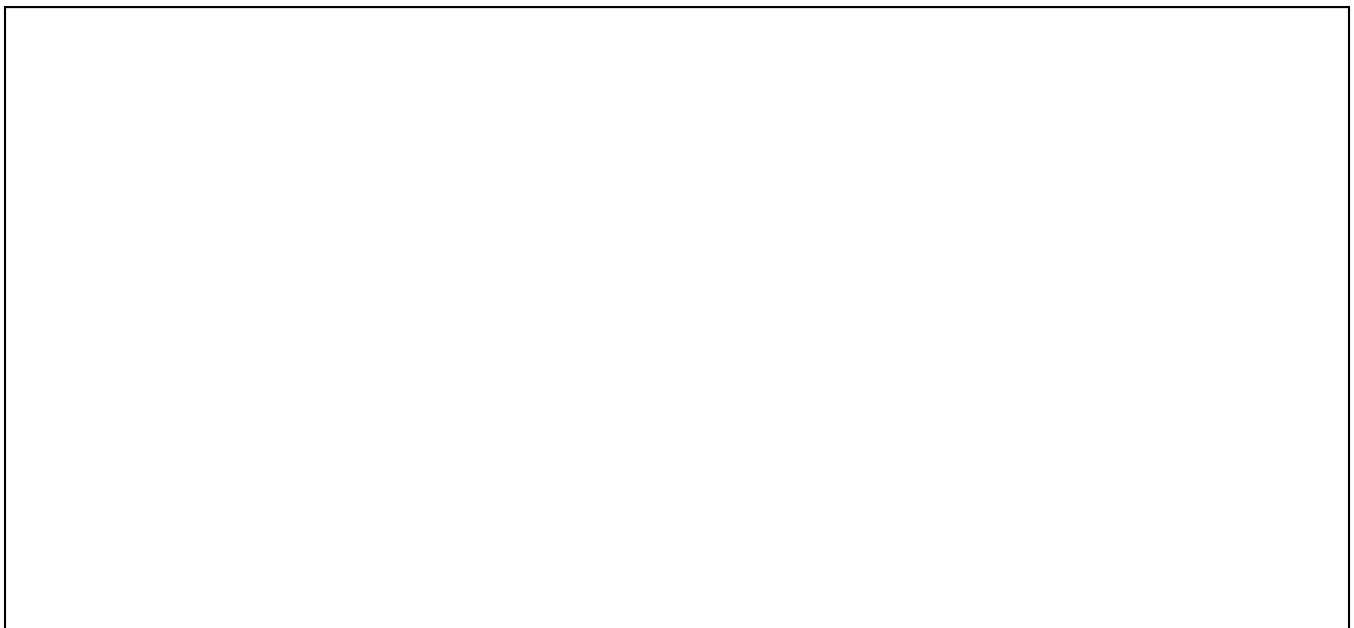
- \*scissors
- \*crazy scissors
- \*crayons
- \*markers
- \*pencil
- \*ruler
- \*stapler
- \*hole punch
- \*paper drill (with teacher assistance only)
- \*heavy duty hole punch (with teacher assistance only)



Name \_\_\_\_\_

**Growing Plants • Brainstorm solutions.**

Draw at least 2 ideas/plans to make your plant. Share your ideas with your partner. Circle the idea that you and your partner choose to use.



**\*\*Each person will turn this paper in to the teacher.\*\***

Name \_\_\_\_\_

**Growing Plants • Test your solution.**

1. Did you use a different material for each part of your plant?

Yes No

2. Does your plant have

a stem? Yes No

a flower? Yes No

roots? Yes No

leaves? Yes No

3. Can your plant stand alone? Yes No

4. Are the stem, flower, roots, and leaves labeled? Yes No

5. Does your plant have at least 2 moving parts? Yes No

What are the moving parts?

\_\_\_\_\_

6. Is your plant pretty and colorful? Yes No

7. Did you work with your partner to make one plant together?

Yes No

**Growing Plants • Evaluate your solution.**

**Think about it:**

What would you have done differently? Can you add to it to make it better?

**\*\*Each person will turn this paper in to the teacher.\*\***