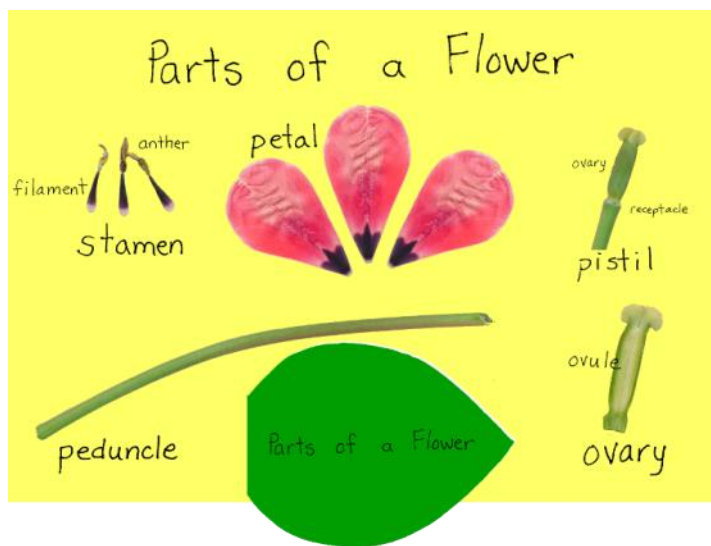




May Day Flowers

Flower Dissection

Grades 2-3

Objective

Students will use the "Science Research Cards" to help them dissect and record information about the parts of a flower. They will produce a display (see above) of their findings.

Preparation

1. Run the worksheets (pages 2-3) off on cover stock, 2 sided, 1 copy per student. (These worksheets can be reused from year to year, so cover stock works better for this.)
2. Run worksheet page 4 on copy paper, 1 copy per student. (This worksheet is consumable.)
3. Laminate and trim pages 2-3, if you wish.
4. Gather the materials listed below. Set them up for easy student access.
5. Be sure to have enough sets of "Science Research Cards" (file g2 or g3) for your students. One set per 2 students should be sufficient. You may wish to laminate them for future use.

Materials

- a flower to dissect, large enough to view the parts, 1/student
- "Parts of a Flower, Science Research Cards", 1/2 students
- magnifying lenses, if available, 1/student, or as many as you have
- 6x9 inch colored construction paper, NOT the same color as the flowers, 1/student
- 3x8.5 green construction paper, 1/student
- 3x8.5 white copy paper, 4/student
- glue

Directions

The worksheet, *Fantastic Flora*, walks the students through the dissection of a flower. First they will make a "leaf" booklet (see picture above) to record their observations.



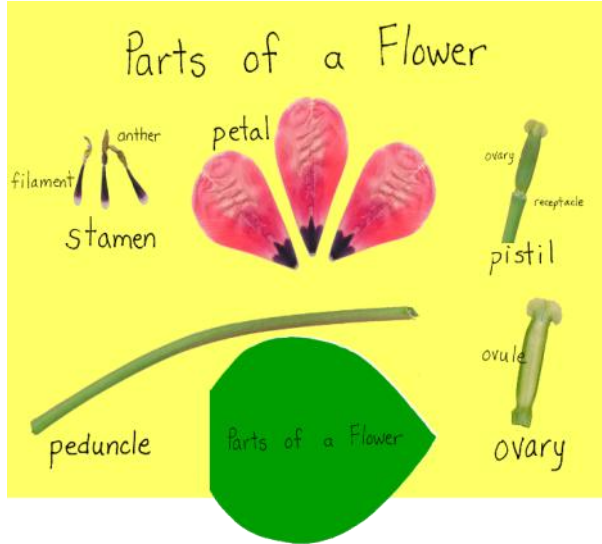
Each page of the booklet will have a drawing of a flower part on one side and a statement of the function of the part on the other. Students need to make the record booklet before they begin dissecting. The directions for the booklet are on *Fantastic Flora* page 1, and the materials to make the record booklet are on *Fantastic Flora* page 3.

Flower dissection directions are on *Fantastic Flora* page 2. It works best to do these two steps at different times—make the record booklet, then later complete the dissection.

You can also set this up at a center, as a free time activity, if you don't want to do it with the whole class. This is also a good project to do with partners—they can discuss the questions as they dissect.



Fantastic Flora



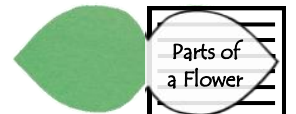
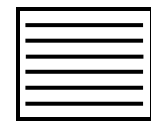
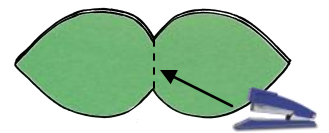
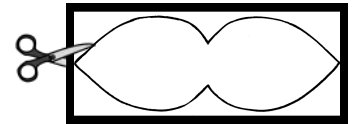
Today you are going to take apart a flower, glue the flower parts on a piece of construction paper, and record important information about what that part of a flower does in a booklet.

Materials:

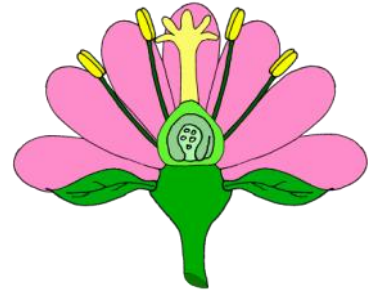
- a large flower to dissect
- “Parts of a Flower, Science Research Cards”
- a magnifying lens, if available
- 1 piece of 6x9 inch colored construction paper, NOT the same color as the flower petals
- 1 piece of 3x8.5 inch green construction paper
- 4 pieces of 3x8.5 inch white copy paper
- glue

Directions to Make the Record Booklet:

1. Cut out the rectangle with the double leaf inside (*Fantastic Flora, Page 3*). Cut out the leaves. This is your tracing pattern.
2. Lay the tracing pattern on top of the green paper. Trace around the pattern with a pencil, and then cut it out. Do the same thing with all 4 sheets of white paper.
3. Put the green cover on top of the 4 sheets of white paper. Make the edges straight, and fold them in half. Open the pages up and staple them together on the fold.
4. Cut out the square with the lines in it (*Fantastic Flora, page 3*). You will lay the lines behind the page you are writing on to help you make your writing straight, neat, and easy to read.
5. Write the title “Parts of a Flower” on the front of the booklet and on the first page.
6. Turn to the next page. Now you are ready to take a flower apart. On each set of pages, you will draw a picture of a flower part on one side, and write a sentence to tell about it on the other side. Have fun!



Fantastic Flora, 2

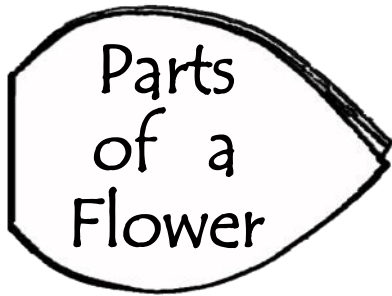


Directions for Flower Dissection

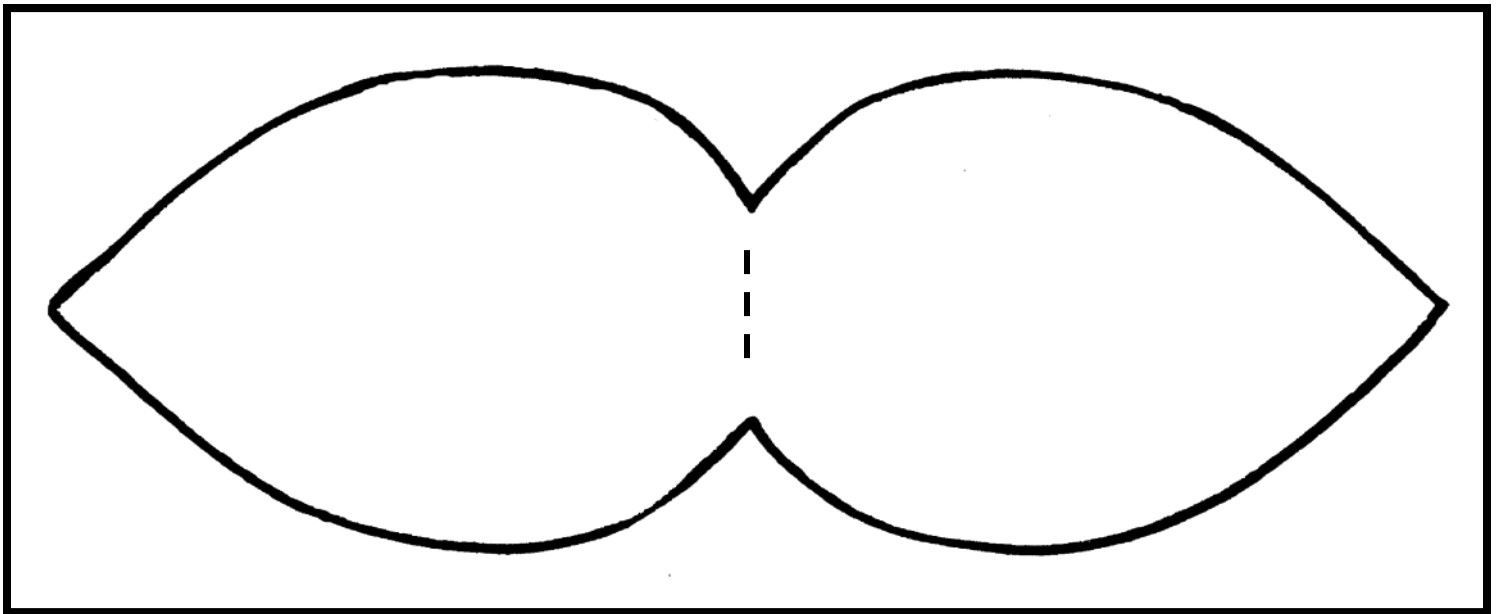
1. Read the "Flower Dissection" card.
2. Read the "Petals" card. Find the petals on your flower. Gently pull a few petals off, and look at them with your hand lens. Lay them on your display paper (6x9 inches). How would these petals attract insects? What else could they attract? Open your booklet to the first 2 pages. On one side draw a picture of the petal, and color it just the way it looks. On the other side write a sentence about what the petal does. (Put the lines behind the writing paper. They will show through a little and help you write neatly.)
3. Read the "Stamen" card. Find the stamens on your flower. Carefully pull one off. Gently rub the anther on your finger. Do you see any yellow pollen on your finger? Look at the filament. Why is the filament so long? Lay the stamens on your display paper. Draw a picture of a stamen in your booklet, label the parts, and write a sentence about it.
4. Read the "Pistil" card. Gently pull the pistil off of the receptacle. Look at the stigma with a hand lens. Touch it. Does it feel sticky? Look closely at the style, and the ovary. Draw a picture and label the parts. Then write a sentence about the pistil.
5. Read the "Ovary" card. Carefully cut the pistil in half from top to bottom with scissors. Look for the ovules in the ovary with a hand lens. Lay both pieces of the ovary on your display paper, then draw and write about what you see. Be sure to label the ovules.
6. Read the "Sepal" card. Look for the sepals and the calyx. If you can't find them, why do you think that is? Add a picture and sentence about the sepals to your booklet.
7. Read the "Receptacle and Peduncle" card. Look at your what's left of your flower with the hand lens. Draw a picture and write a sentence in your booklet. Make one page for the receptacle and another page for the peduncle.
8. Put the science cards away.
9. Spread out all your flower parts and arrange them on the display paper. Arrange the flower pieces. Be sure to include the booklet in the layout!
10. Write the name for each flower part with a pencil. Have someone check your spelling, and then trace over the labels with a pen.
11. Glue the flower parts and your booklet on to the display paper, and let it dry overnight.
12. Clean up your mess.



Fantastic Flora, Page 3



Follow the directions on page 1 to make a leaf booklet. You will draw and write about each part of a flower in this booklet. Use the patterns on this page to help you make the booklet.



Cut out the rectangle. When you are ready to write in your booklet, lay the lines under the page you are going to write on. The lines will help you make your writing straight and neat.

A rectangular box containing six horizontal lines, intended for writing. The lines are evenly spaced and run across the width of the box. The box itself has a thick black border.