

Flower Model Lab

Scientists often make models in the laboratory to help them understand processes or structures. In this activity, you will use your creativity and your understanding of the structure of a flower to make a model from various craft materials and art supplies.

Materials

- Various materials such as paper plates and cups, containers (covered with paper so **no advertising** shows), wire, string, beads, buttons, cardboard, bottles, colored paper, pipe cleaners, yarn, etc.
- Glue and scissors
- 5 X 8 inch card

Procedure

1. Decide what materials you will use to construct your flower and **build a three-dimensional model of a flower**. Please do not make your flower too large or too small – you should be able to easily identify all of the structures, but it shouldn't take up a huge amount of space. Quality of construction is important.
2. The flower you create should contain **each of the parts** listed in the table below.

Parts of a Flower
1. Petals
2. Sepal
3. Stem
4. Stigma
5. Style
6. Ovary
7. Ovule
8. Anther
9. Filament

3. Each of the structures that are represented on your flower must be labeled.


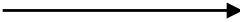
Label each of the above flower parts on your model and write a brief (1 sentence) description of its function under its name.

- 4.** Your model should stand upright or be affixed to a poster or foam board so that it can be displayed easily.

Flower Model Grading Sheet

Name _____ Date _____ Period _____

Model ON TIME with this grading sheet – **Lose 5 points** for each day **late or without grading sheet!**

You grade yourself here	Criteria	Teacher Grade
1 2 3 4 5	MODEL CONSTRUCTION – Neat with a high level of detail	1 2 3 4 5
1 2 3 4 5	PETAL – Excellent representation with neat and accurate label	1 2 3 4 5
1 2 3 4 5	SEPAL – Excellent representation with neat and accurate label	1 2 3 4 5
1 2 3 4 5	STEM – Excellent representation with neat and accurate label	1 2 3 4 5
1 2 3 4 5	STIGMA – Excellent representation with neat and accurate labels	1 2 3 4 5
1 2 3 4 5	STYLE – Excellent representation with neat and accurate labels	1 2 3 4 5
1 2 3 4 5	OVARY – Excellent representation with neat and accurate labels	1 2 3 4 5
1 2 3 4 5	OVULE – Excellent representation with neat and accurate labels	1 2 3 4 5
1 2 3 4 5	ANTHER – Excellent representation with neat and accurate labels	1 2 3 4 5
1 2 3 4 5	FILAMENT – Excellent representation with neat and accurate labels	1 2 3 4 5
Add the above scores here:	 TOTAL POINTS EARNED (50 possible)	
	 MODEL GRADE X 2 (100 points possible)	
	FINAL GRADE	