



# Easter Lily Family Science Lesson



# Glorify God in your science study!

Hello!

I have loved science ever since I was a little girl. God is so good to give us a glimpse into the fascinating world of science.

I got this idea for a lily flower study on St. Joseph's Feast Day. This study can be done any time, but is particularly fun and meaningful to complete during the Easter season! It is also very easy to find lilies and any other flowers you may wish to study during this time.

I hope you enjoy studying God's beautiful world with your children!

# Supplies



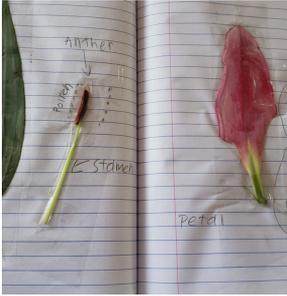
**1** AN EASTER LILY (1 FOR YOUR CHILD AND 1 FOR YOU)



**2** SCISSORS



**3** PACKING TAPE AND REGULAR TAPE



**4** JOURNAL OR PAPER



**5** WRITING UTENSILS



**6** WHITE PAPER



**7** 1 YELLOW AND 1 GREEN PIPE CLEANER



**8** GLUE

# Lesson Plan Overview

Feel free to use all or some of the following lesson plan! Do what interests you and what works best for your family.

I wanted to provide you with plenty of materials for this Easter lily lesson so you can explore this beautiful and symbolic flower with your child. There is something for all ages to enjoy!

- 1. Teach your child about St. Joseph**
- 2. Lily dissection**
- 3. Define the terms for the parts of a flower**
- 4. Practice labeling the parts of a flower (worksheets provided)**
- 5. Make a paper and pipe cleaner handprint lily**



# Lesson Plan

## 1. Teach your child about St. Joseph

No lily study would be complete without reading some stories about St. Joseph! Here are some quick facts about St. Joseph to share with your child:

- He is the foster father of Jesus and was married to the Blessed Virgin Mary
- He says no words or lines in the entire bible
- An angel came to him in a dream to tell him that he would be the father of Jesus
- He vision of an angel in his dream telling him to flee from Bethlehem since Herod planned to massacre all of the infants under 2 years old. He then fled to Egypt with Jesus and Mary.
- He raised Jesus with Mary in Nazareth
- He was a carpenter by trade and taught Jesus carpentry skills
- He is the patron of fathers and of the family
- He is often seen holding lilies which symbolize integrity and Joseph's protection of the Blessed Virgin Mary's purity

You may also wish to read a book or gospel reading to your child about St. Joseph:

[St. Joseph Booklet](#)

[Good St. Joseph](#)

[Gospel readings for the Feast of St. Joseph](#)

# Lesson Plan

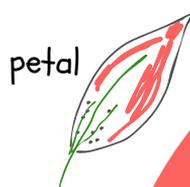
## 2. Lily Dissection:

Lilies are a perfect flower to use for a plant dissection. The different parts of the lily are easy to find and spot. I have used the [video](#) below to form this procedure.

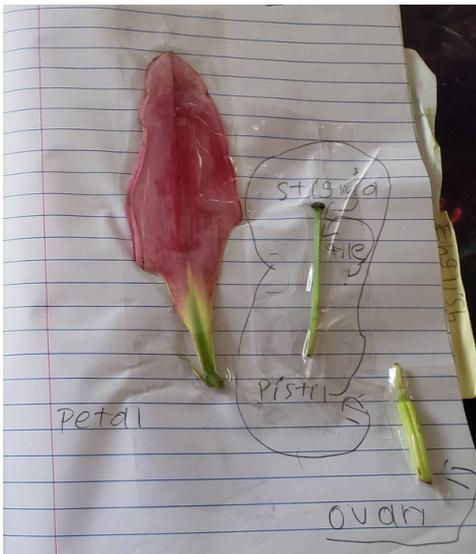
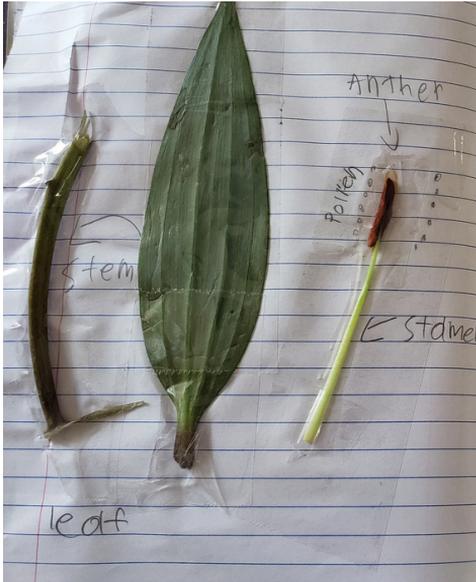


Here is the procedure for the lily flower dissection:

1. Give your child a lily and make sure you have one for yourself.
2. Pull off a **leaf** and have your child do the same. Explain that the leaf provides food for the plant via photosynthesis and takes in air through pores called stomata. Have your child tape a leaf into his or her science notebook and label it. You can use the packing tape to cover the entire leaf and somewhat preserve it.
3. Find the **sepals** with your child and pull them off. Explain that the sepals look very similar to petals, but are the outermost parts of a bud that protect the flower when it is in bud form. Have your child tape a sepal into his or her science notebook and label it. (Note: Sometimes shops pull off the sepals, so we didn't have any to put into our notebook.)
4. Find the **petals** with your child and pull them off. Explain that the petals are actually modified leaves that are brightly colored to attract pollinators (bees, butterflies, hummingbirds).



# Sample Notebook Pages



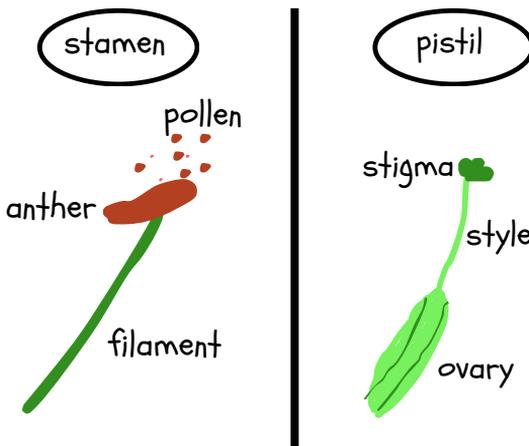
# Lesson Plan

5. Next, we will identify the male and female reproductive parts of the plant.

a. The **stamen** is the the male part of the plant. The long stemlike part is the filament and it holds up the anther. The anther holds the pollen that is picked up by the pollinators. The pollinators carry the pollen from plant to plant, and this is how the ovules get fertilized. Pull the stamen off of the plant and have your child place it in his or her science notebook. Label the filament and anther. Also, if your anther has pollen, be sure to have your student tape some into his or her notebook. Sometimes, shops clean off the pollen, so you can just have your student draw some like we did if there is no pollen present.

b. The **pistil** is the female reproduction part of the plant, and it made up of the **stigma, style, and ovary**. The stigma is usually hairy or sticky to allow pollen to stick to it. This is where the pollen germinates. The style is the long tube attached below the stigma and is like a highway for the pollen to travel down to the ovary. The ovary is at the bottom of the style and connects the pistil to the stem. The ovary holds ovules that will be fertilized and turned into seeds. Have your child tape the pistil into his or her science notebook and label it and all three parts.

6. The **stem** is the last part of the flower to identify. Explain that the stem holds up and supports the plant and allows water and nutrients to be carried from the soil up to the plant. Have your child tape a piece of the stem into his or her science notebook and label it.



# Lesson Plan

**3. Have the child define the following terms in his or her notebook or on the sheet provided on the following page. (The next page can be printed at 75% so that it fits in a marble notebook.)**

Leaf

Sepal

Petal

Stamen

Anther

Filament

Pistil

Stigma

Style

Ovary

Stem

# My Flower Terms

Leaf:

Sepal:

Petal:

Stamen:

Anther:

Filament:

Pistil:

Stigma:

Style:

Ovary:

Stem:

# My Flower Terms

**Leaf:** part of the plant that provides food for the plant via photosynthesis

**Sepal:** part of the plant that protects the plant when it's in bud

**Petal:** modified leaves that are brightly colored to attract pollinators

**Stamen:** male reproduction part of the plant made up of the filament and anther

**Anther:** top part of the stamen that holds pollen which is picked up by pollinators

**Filament:** bottom part of the stamen that holds up the anther

**Pistil:** the female reproduction part of the plant made up of the stigma, style, and ovary

**Stigma:** the sticky or hairy top part of the pistil where pollen is deposited

**Style:** the part of the pistil directly under the stigma where the pollen travels down to the ovary

**Ovary:** the bottom part of the pistil which holds the ovules that will be fertilized and turn into eggs

**Stem:** long part of the flower that holds the flower up and allows water and nutrients to travel from the soil to the flower.

# Lesson Plan cont.

**4. For further practice, have the child label the following terms on the sheets provided. Alternatively, you can print the already labeled pages and have the student glue them into his or her notebook. Again, the sheets can be printed at 75% to fit into a marble notebook**

Leaf

Sepal

Petal

Stamen

Anther

Filament

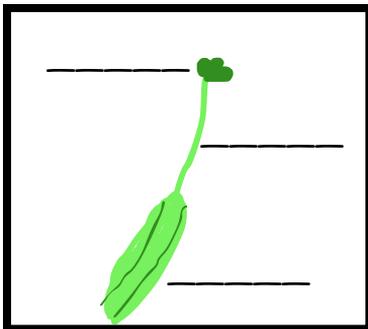
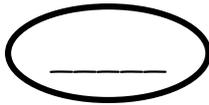
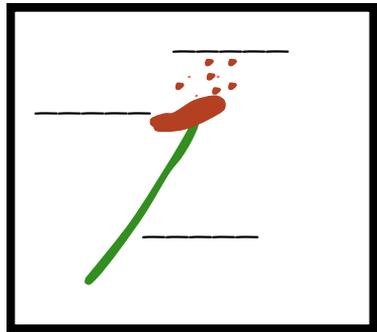
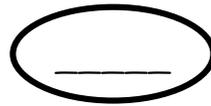
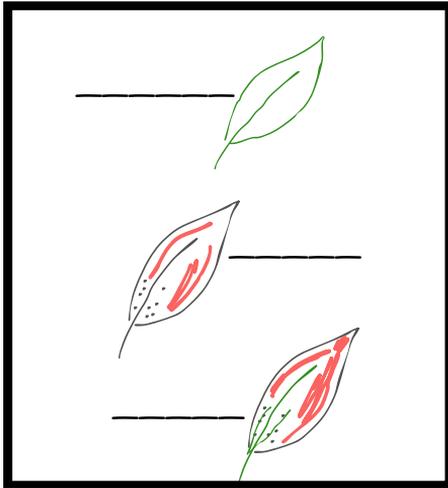
Pistil

Stigma

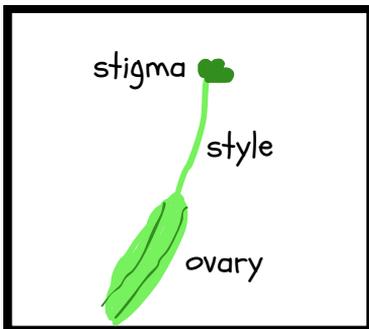
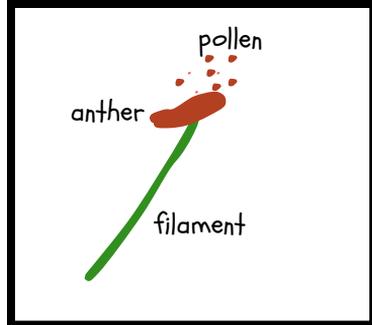
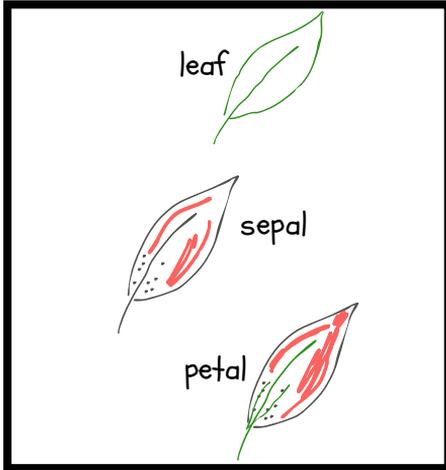
Style

Ovary

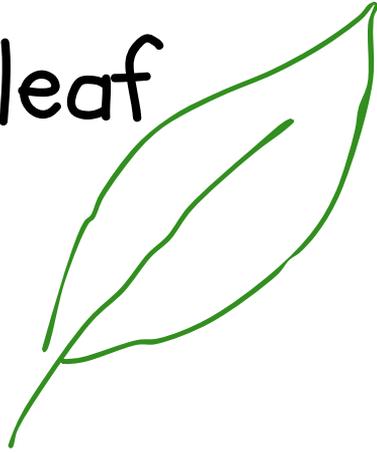
# Label the parts of the flower



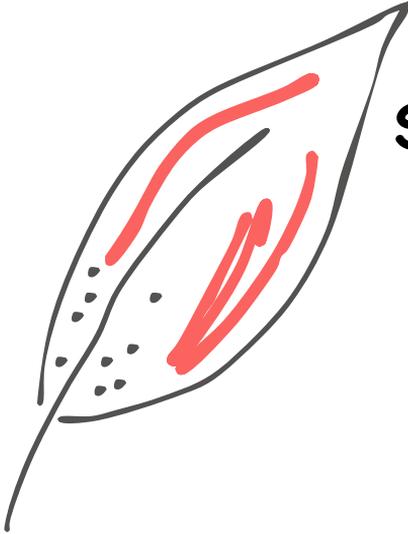
# The Parts of a Flower



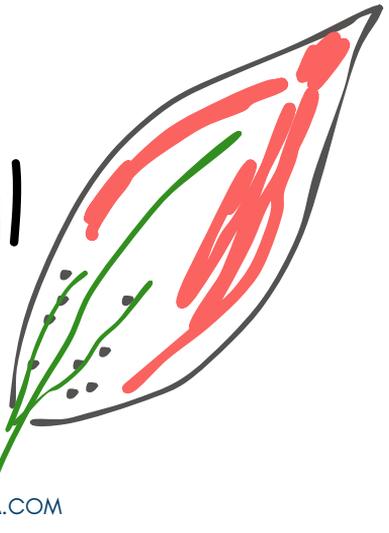
leaf

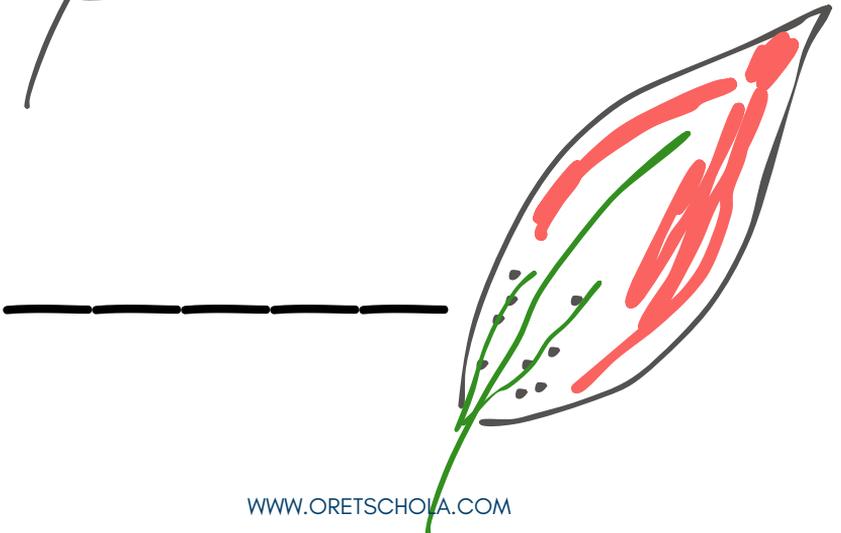
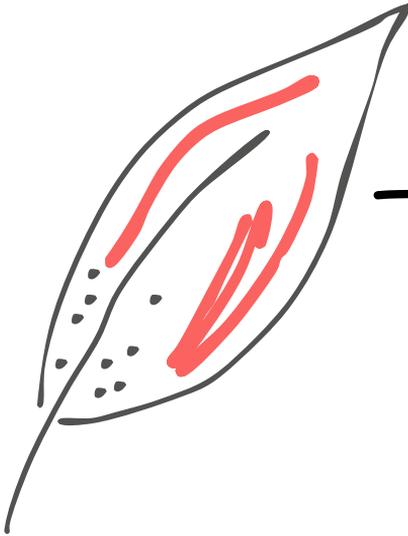
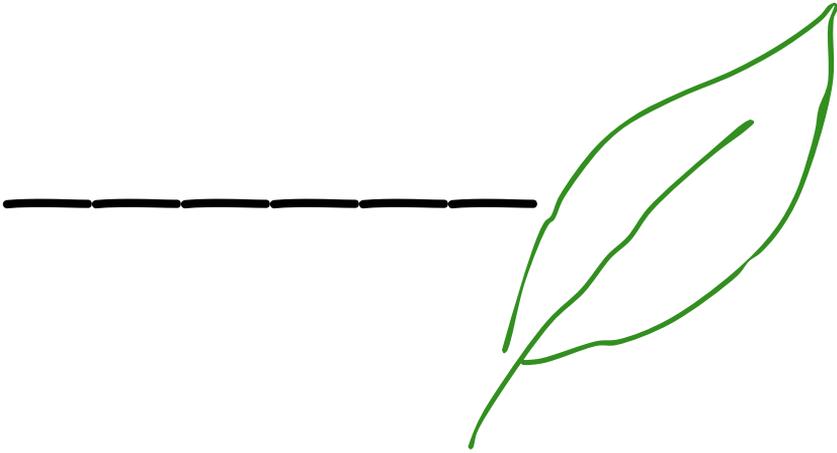


sepal

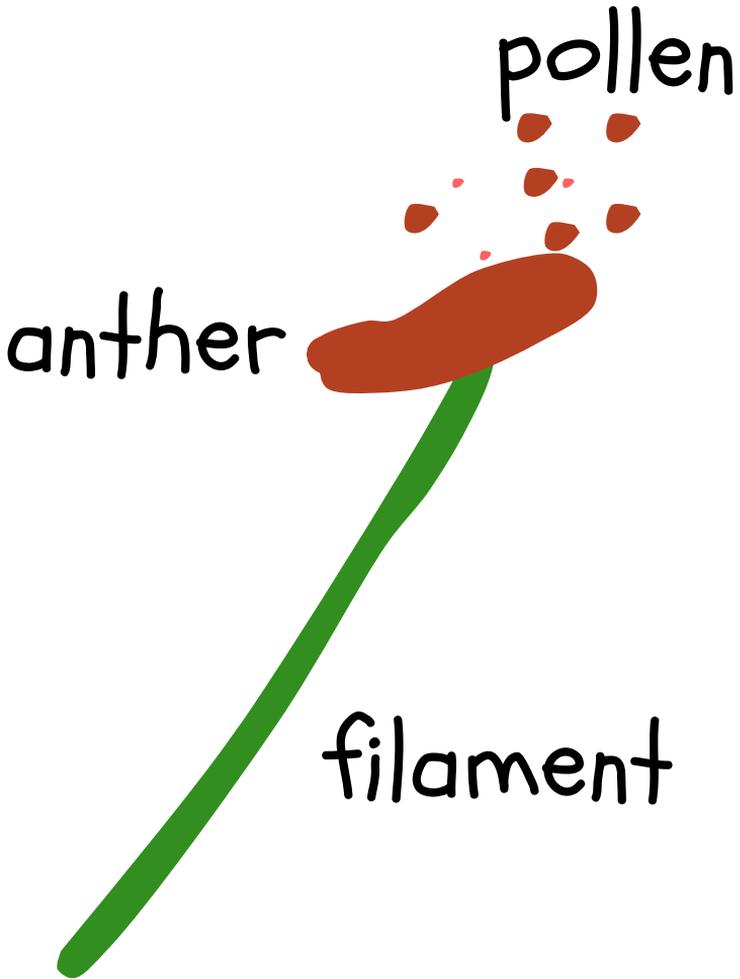


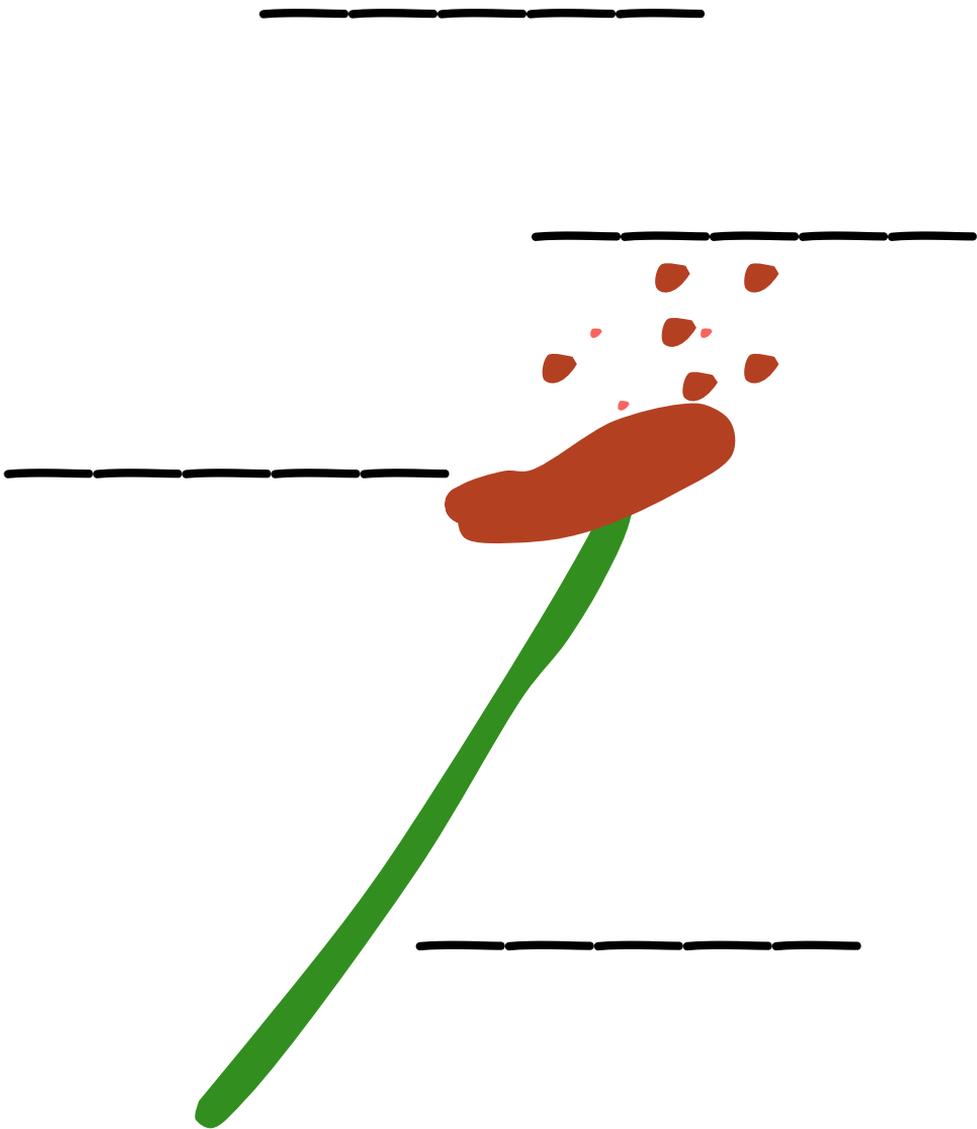
petal



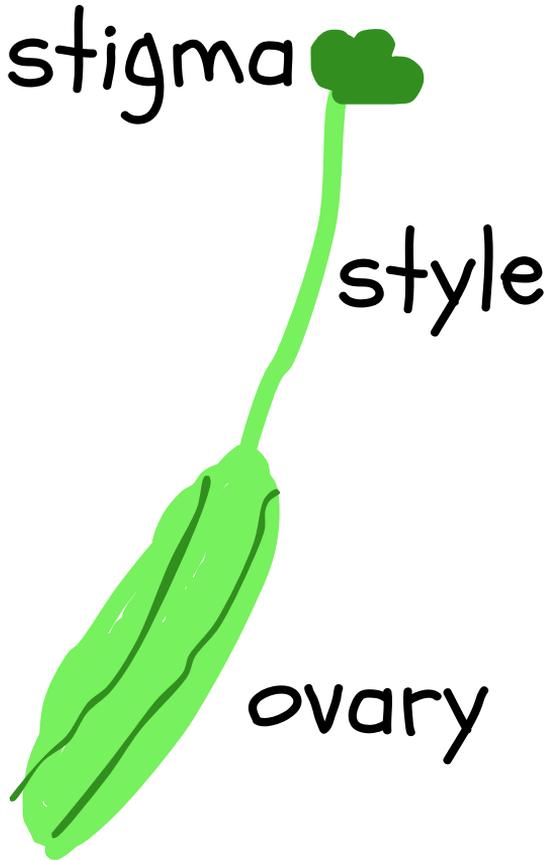


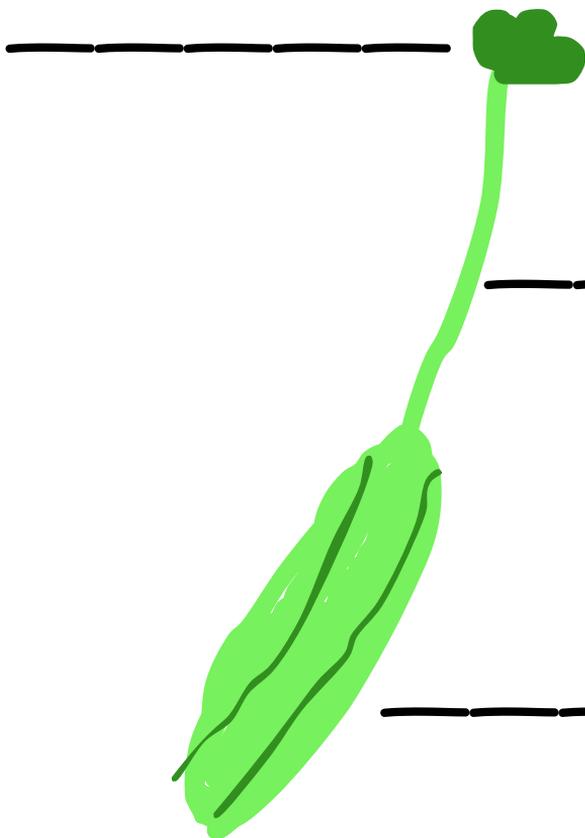
stamen



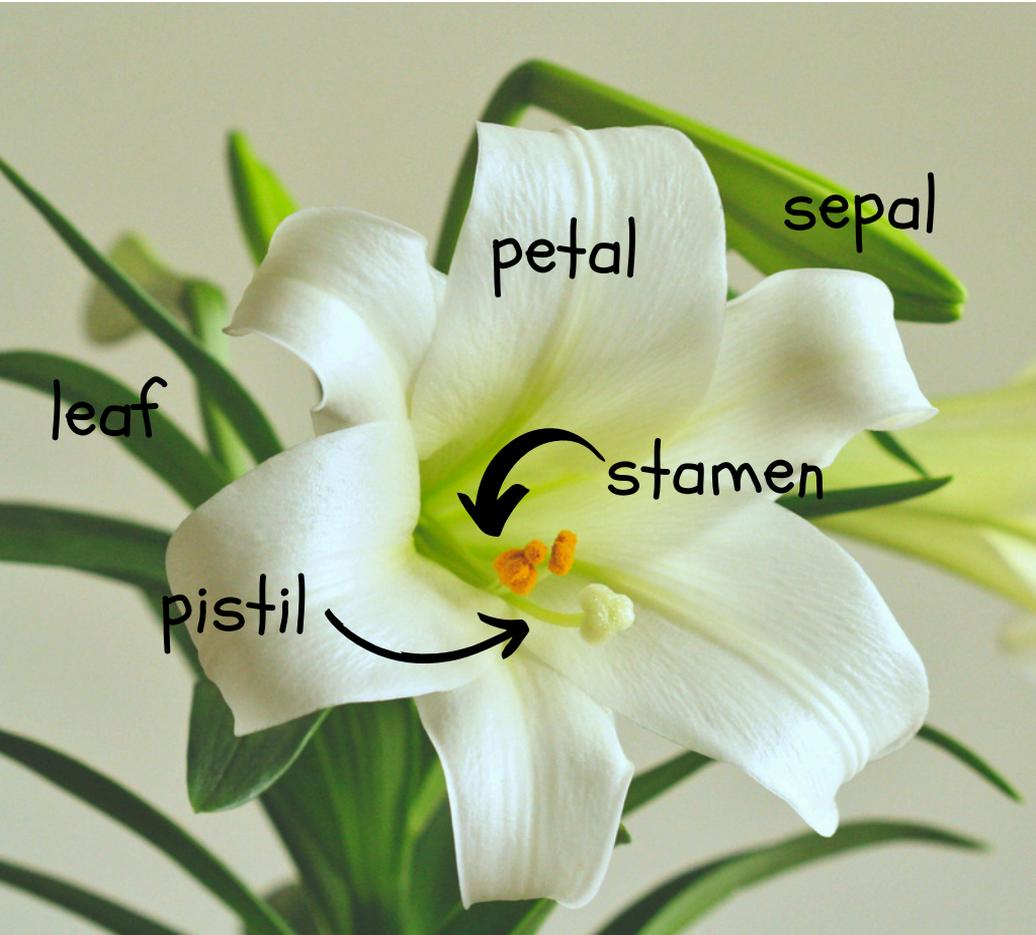


# pistil

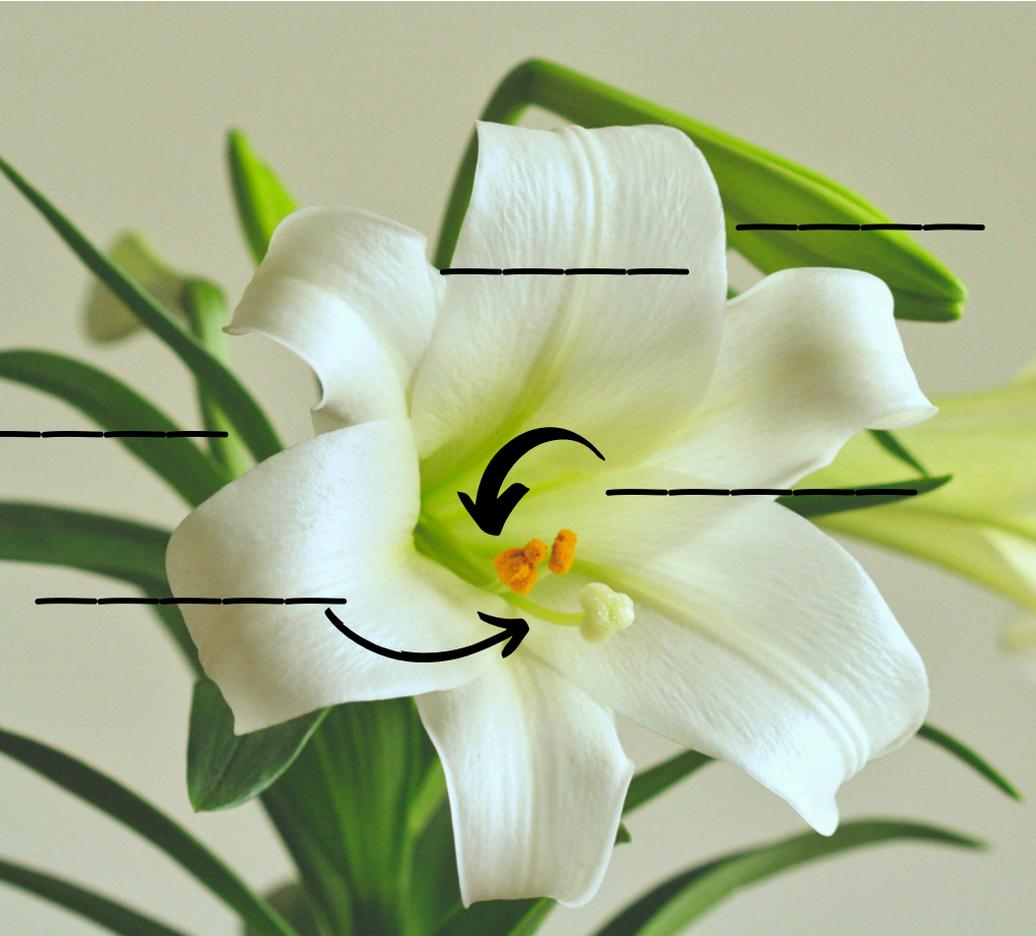




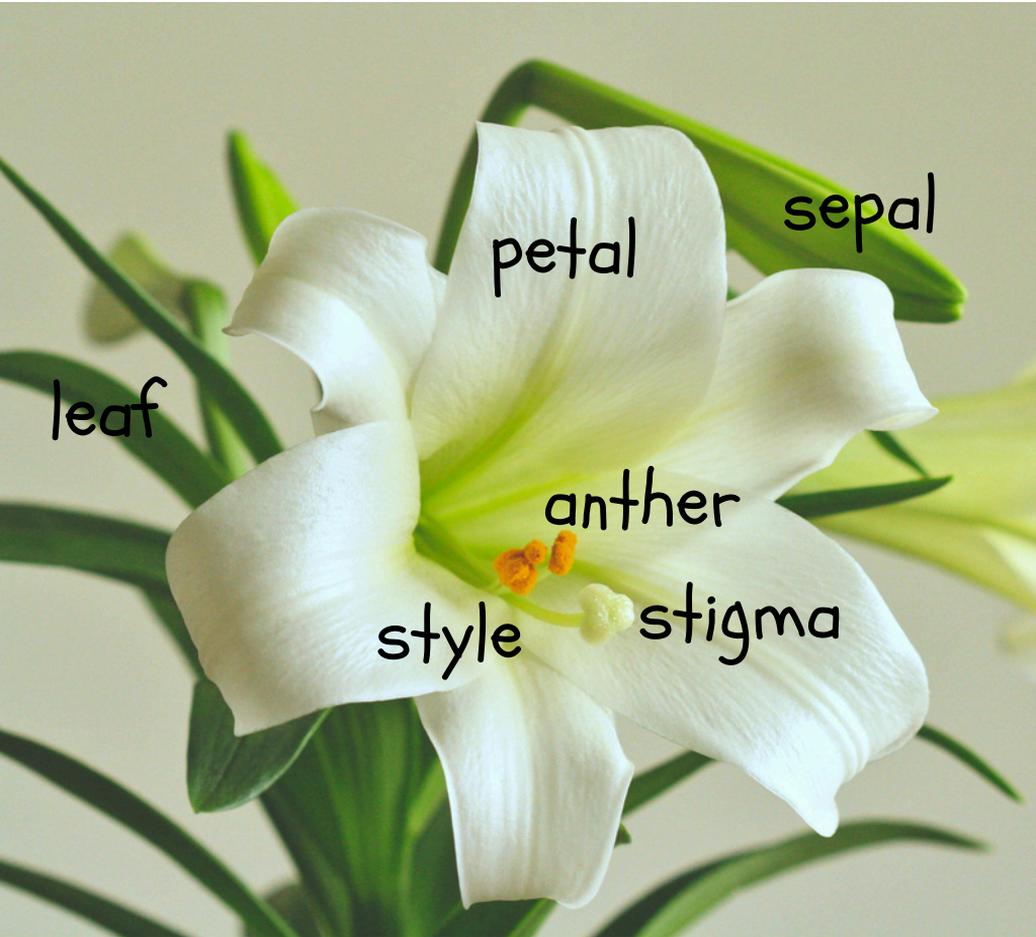
# The Parts of a Flower



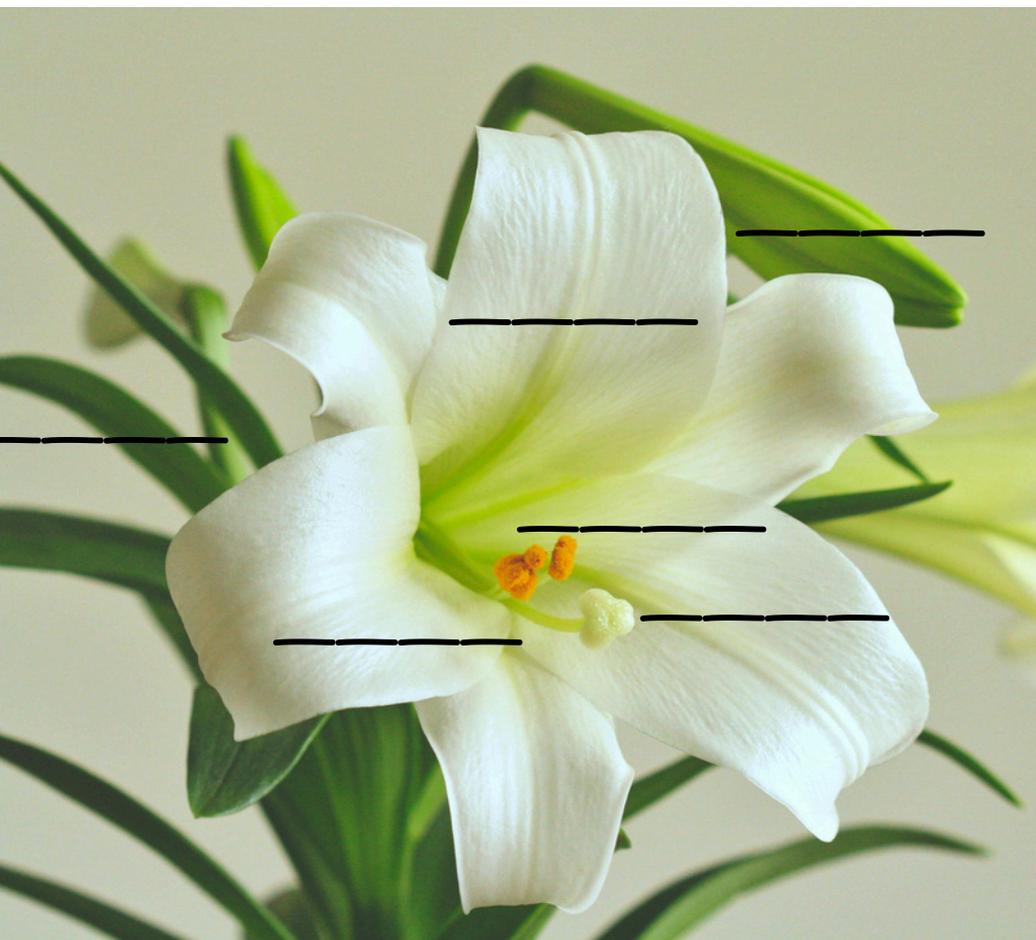
# The Parts of a Flower



# The Parts of a Flower



# Label the Parts of a Flower



# Lesson Plan

## 5. Make a paper handprint lily

Finish off this lesson by having your child make one of these sweet and simple handprint lilies made of pipe cleaners and paper. Display a whole bouquet of handprint lilies to remind your family to pray for the intercession of St. Joseph!

[Find the instructions for this project here.](#)

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