

# JUNIOR FLOWERS BADGE– MEETING 1

**Badge Purpose:** When girls have earned this badge, they will know all that's wonderful about flowers.

**Activity Plan Length:** 1.5 hours

Time	Activity	Materials Needed
15 minutes	Getting Started <ul style="list-style-type: none"> <li>Girls recite the Girl Scout Promise + Law.</li> </ul>	<input type="checkbox"/> (Optional) Girl Scout Promise and Law poster
15 minutes	The Science of Flowers <ul style="list-style-type: none"> <li>Girls uncover the science of one flower.</li> </ul>	<input type="checkbox"/> Flowers (either indoors or outdoors) <input type="checkbox"/> Paper <input type="checkbox"/> Drawing and coloring utensils
15 minutes	Colorful Flowers <ul style="list-style-type: none"> <li>Girls explore flowers' root systems.</li> </ul>	<input type="checkbox"/> White flowers—carnations work well (one per girl, if possible) <input type="checkbox"/> Multiple colors of food dye <input type="checkbox"/> Bowls or small containers <input type="checkbox"/> Towels (paper or scrap cloth)
15 minutes	Fruit in Disguise <ul style="list-style-type: none"> <li>Girls find out how flowers help people.</li> </ul>	<input type="checkbox"/> Fruit in Disguise game cards
15 minutes	Snack Chat <ul style="list-style-type: none"> <li>Girls enjoy a healthy snack while discussing what they have learned.</li> </ul>	<input type="checkbox"/> Healthy snack
15 minutes	Wrapping Up	<input type="checkbox"/> (Optional) Make New Friends song lyrics poster

## Getting Started

Time: 15 minutes

**Materials Needed:** (Optional) Girl Scout Promise and Law poster

Welcome everyone to the meeting, recite the Girl Scout Promise and Law.



## Activity #1: The Science of Flowers

Time: 15 minutes

Badge Connection: Step 1 – Uncover the science of one flower

Materials Needed: Flowers (either indoors or outdoors); paper; drawing and coloring utensils; (optional) books about flowers

Prep Needed:

- Find a location close to your meeting site with many flowers or bring flowers to the meeting.
  - Check your local library for books about flowers and/or plants.
1. As girls are looking at the flowers, ask them what they think about them and if they have a favorite flower.
  2. Have them describe the parts of the flower they can see.
  3. Let girls know they are going to do one of the things a botanist might do.
  4. Ask if they know what a botanist does. Explain that botanists are scientists who study plants. Tell the girls that botanists often draw plants that they see.
  5. Have each girl choose a flower and spend time drawing all of its details on paper.
  6. Once they're finished, have girls share their pictures and one new thing that they discovered about their flowers.

RESOURCE SUGGESTIONS:

- *Botanicum: Welcome to the Museum* by Kathy Willis
- *Eyewitness Plant* by David Burnie

## Activity #2: Colorful Flowers

Time: 15 minutes

Badge Connection: Step 2 – Look under the petals

Materials Needed: White flowers—carnations work well (one per girl, if possible); multiple colors of food dye; bowls of small containers; towels (paper or scrap cloth)

1. Flowers aren't just pretty. They may look like they aren't doing a lot, but they're actually quite busy! Try this activity to see a flower's root system in action.
2. Fill small containers with water. Have the girls choose food dye colors and place dye in water to make the colors.
3. Cut the flowers' stems and direct girls to put their flowers into the container with their favorite color. The petals should soon turn that color!
4. Have the girls record and/or discuss their observations:
  - What part of the flower changed color first?
  - How long did it take?
  - Are some parts of the flower now darker than others?
5. When flowers are dyed, let them dry on a towel or wrap their stems in wet paper towels so girls can take them home.

## Activity #3: Fruit in Disguise

Time: 15 minutes

Badge Connection: Step 3 – Find out how flowers help people

Materials Needed: Fruit in Disguise game cards

Prep Needed:

- Make copies of the Fruit in Disguise game cards (one set for each group of three to five girls) and cut the game cards apart.



1. Split the girls into teams of three to five players.
2. Explain to the girls that many flowers are fruits in disguise. Fruit comes from plants or trees that flower before producing fruit.
3. Give each team one set of the Fruit in Disguise game cards. Have each team try to match the correct fruit to its flower.
4. Helpful hints: Tell girls to look closely at the pictures. Looking at the flowers, leaves, stems or branches may give them clues. Many of the flowers look similar at first glance, so matching two together may be tricky!
5. Once teams are finished, go over the correct answers. Briefly discuss the girls observations:
  - Which flowers looked similar?
  - Which fruits were easy to match? Why?
  - Which fruits were difficult to match? Why?
  - Were there any that surprised you?

Answers:

- |           |           |               |            |
|-----------|-----------|---------------|------------|
| 1. Apple  | 4. Grapes | 7. Strawberry | 10. Banana |
| 2. Peach  | 5. Pear   | 8. Orange     | 11. Lemon  |
| 3. Cherry | 6. Plum   | 9. Raspberry  | 12. Kiwi   |

## Activity #4: Snack Chat

Time: 15 minutes

Badge Connection: Questions link to multiple badge steps

Materials Needed: Healthy snack

1. While enjoying snack, here are some things for girls to talk about:
  - Do you have a favorite flower? What is it and why?
  - How do flowers help people?
  - Would you like to grow flowers inside or outside and why?
  - Where and when do you think it's okay to pick flowers?

NOTES: Need a suggestion for a healthy snack? Try hibiscus tea and sliced apples!

- Boil two quarts water in a large pot. Remove water from stove.
- Add 6-8 hibiscus tea bags and let stand for 3-5 minutes. Remove the tea bags.
- Add ¼ cup honey or sugar (more to taste) and stir well.
- Leave tea in pot until it comes to room temperature.
- Transfer the tea to a sealed container and store in the fridge overnight.
- Serve with sliced apples.

## Wrapping Up

Time: 15 minutes

Materials Needed: (Optional) Make New Friends song lyrics poster. Close the meeting by singing Make New Friends and doing a friendship circle.

## More to Explore

- Field Trip Ideas:
  - Visit a flower garden or greenhouse to learn more about the science of flowers.
  - Visit a florist to learn more about floral arrangements.
- Speaker Ideas:
  - Invite a botanist (teacher or florist) to talk to the girls about parts of the flower and/or flower families.



## Fruit in Disguise Game Cards

5.



6.



7.





1.



2.



3.



4.



8.



9.



10.



11.





12.

