

# Flower Power

<b>INTRODUCTION</b>	Discover that there is more to flowers than just their beauty. Without flowers, our world would be a much different place. When you've earned this badge, you'll know all that's wonderful about flowers.
<b>ACTIVITY 1: Learn about flower power (30 minutes)</b>	Watch this fun video to learn more about why flowers are so unique. While you are watching make sure to record your answers these questions: <ol style="list-style-type: none"><li>1. Why are insects important to flowers?</li><li>2. Name the parts of the flower that you have learned about</li><li>3. What are some of the different ways seeds are moved to different places?</li><li>4. What do seeds need in order to grow?</li><li>5. How do flowers show insects where to go?</li><li>6. List 2-3 other interesting facts that you learned</li><li>7. Think about why are flowers important for humans, animals, and the land?</li></ol> <p><a href="https://www.dailymotion.com/video/x6o5sej">https://www.dailymotion.com/video/x6o5sej</a></p>
<b>SNACK (10 minutes)</b>	Make flower shaped treats using fruits and vegetables.
<b>ACTIVITY 2: Have fun with flowers</b>	Pick 1 of the following activities—or try them all! <b>Option 1- Flowers To Dye For</b> Learn about how petaled plants drink water and move nutrients by trying this easy experiment with flowers. <ol style="list-style-type: none"><li>1. Take white flowers (carnations work great!) and cut their stem in half length wise. The cut should be about 1-2 inches in length.</li><li>2. Fill 2 glass containers with water. Add several drops of food coloring to the water. Each container of water should be a different color.</li><li>3. Place one side of the cut stem into each of the containers of water.</li><li>4. Watch how the color moves up the stem and into the petals of the flower. This may take some time!</li></ol> <b>Option 2: What is the Solution?</b>

	<p>Figure out what the best solution is to use to preserve cut flowers There are tons of different solutions you can submerge fresh cut flowers in—some that you can buy and others that you can make at home.</p> <ol style="list-style-type: none"> <li>1. Start by gathering some fresh cut flowers (they should all be the same type).</li> <li>2. Pick the solutions you want to use and pour each solution into a different jar or vase. A few to test out are: <ul style="list-style-type: none"> <li>• A commercial pack of flower food</li> <li>• A penny in the water</li> <li>• Water and 7Up</li> <li>• Water and sugar</li> <li>• Water and bleach</li> <li>• Water and apple cider vinegar</li> </ul> </li> <li>3. Once assembled and mixed up, place flowers in each type of solution.</li> <li>4. Every day, record your findings to determine which type of solution works best for preserving fresh cut flowers.</li> </ol> <p><b>Option 3- Playing with Pigment</b>  Learn about pigment and how it can be extracted and used to color other items. All you need for this bit of research is some brightly colored flowers, a plain paper towel or white piece of fabric, a hammer, and some aluminum foil.</p> <ol style="list-style-type: none"> <li>1. Lay out a sheet of aluminum foil</li> <li>2. Arrange the flowers on top</li> <li>3. Cover the flower-topped foil with a white paper towel or piece of white fabric and start whacking with the hammer. The pigment from the flowers should begin to soak into the paper towel or fabric and make beautiful patterns.</li> </ol>
<p><b>ACTIVITY 3</b>  <b>(5 minutes)</b></p>	<p>Watch this quick video to see if flowers dance!</p> <p><a href="https://www.youtube.com/watch?v=ryUxrFuk6MY">https://www.youtube.com/watch?v=ryUxrFuk6MY</a></p>