



PLANT LIFE CYCLE BRACELET

Grade: All ages | Time Duration: 10 minutes

INTRODUCTION

Across the world, plant life occurs in a predictable cycle. This cycle consists of planting, germination, sprouting, development of stems and roots, flowering, pollination and development of fruit. In this activity, the plant life cycle is taught by looking at the elements that are needed to grow a plant. **Seeds** go into the **soil** and begin to germinate. Germination requires **oxygen, water** and proper soil temperature. After germination, the seed begins to **sprout** from the ground and photosynthesis takes place with help from the **sun**, allowing the leaves and stem to grow big and tall. Once the plant reaches maturity, it will begin to form a **flower** and is then followed by pollination. For some plants **pollination** is accomplished with butterflies, bees or hummingbirds, while other plants have the ability to self-pollinate and do not require intervention from insects or birds. After pollination occurs, the plant is ready to develop its crop to maturity. A plants crop is what the plant produces at full maturity. For example a rice plant will produce grains of rice, and a peach tree will produce peaches; the rice grains and peaches are each plants crop. Once the crop is mature, **farmers** reap their harvest and collect the crop. The cycle then repeats itself when a seed is put back into the soil.

MATERIALS NEEDED TO MAKE ONE BAG:

- | | |
|---------------|----------------------------------|
| 1 Brown bead | 1 Flower bead |
| 1 Orange bead | 1 Butterfly bead |
| 1 White bead | 1 Heart bead |
| 1 Blue bead | 1 Piece of 7" twine or yarn |
| 1 Yellow bead | 1 Clear, zip top bag (3"x4") |
| 1 Green bead | 1 Color coordination key (pg. 2) |

ACTIVITY OVERVIEW

This activity is a great addition to any plant science lesson! Each student will begin by getting a bracelet kit that has a piece of twine or yarn, one of each color bead and the color coordination key. As a class, discuss each element needed for a plant to grow while putting the bracelet together.



COLOR COORDINATION KEY

Plant

Life Cycle Bracelet

- Orange - Seed
- Brown - Soil
- White - Oxygen
- Blue - Water
- Green - Sprout
- Yellow -Sun
- Flower - Flower
- Butterfly - Pollinators
- Heart - Farmer



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