



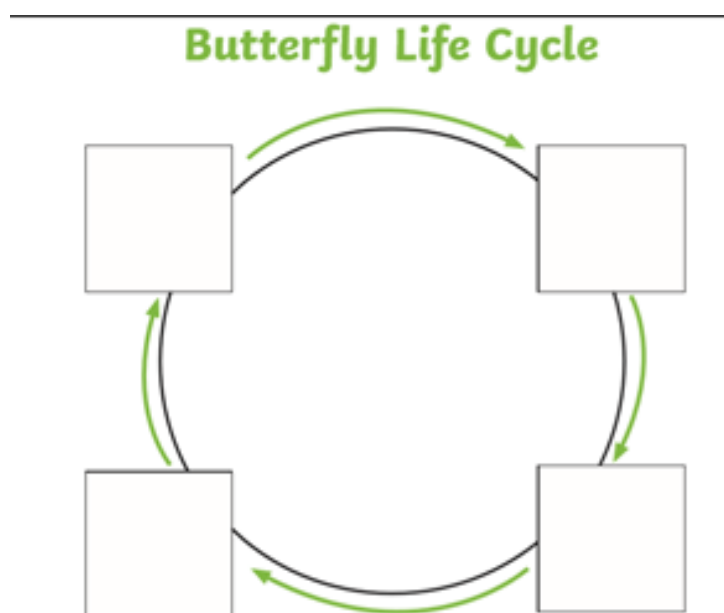
## Science & Technology / Humanities Activities

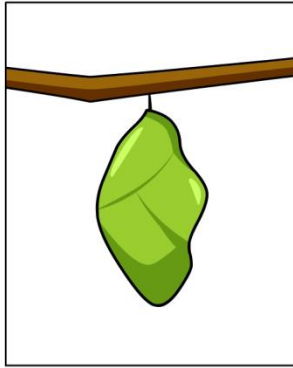
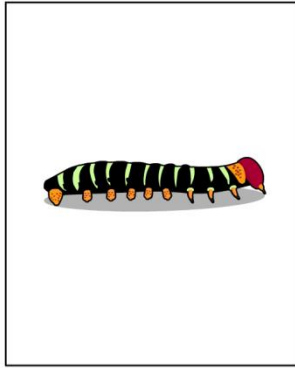
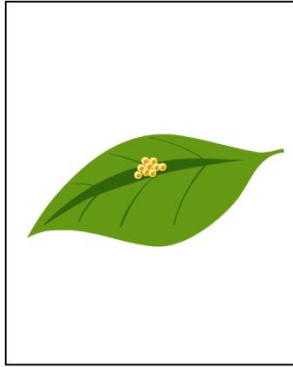
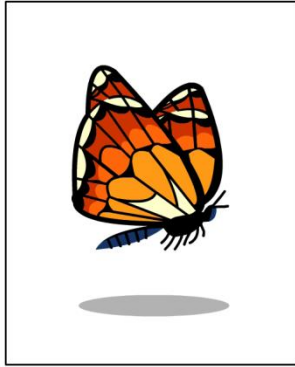
There are two activities: 1. **Butterfly Life Cycle** 2. **What do plants need to grow?**

### 1. The Butterfly Life Cycle

How many butterflies can you see in the garden? Talk about the life cycle of a butterfly and how they change – from egg, to caterpillar, to chrysalis, to a butterfly!

Can you use the following template to make a life cycle or make one yourself. The more creative the better! You could draw, use outdoor materials, pasta, wool or whatever you can find at home.





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# LIFE CYCLES

## Butterfly



## 2. What do plants need to grow?

### What do plants need to grow?

All fruit and vegetables are grown. Some underground, some above ground and some on plants, bushes or trees. What do plants need to grow? All plants need sunlight and water to grow, and for this experiment we are going to learn that plants need water to grow. Hopefully your child will be able to see the water travelling through the plant.

### You will need:

- Some stalks of celery
- Clear jars or containers
- Food colouring (you can do the experiment with just one colour or you can use more colours if you have them)

### What to do:

1. Before the experiment, discuss with your child what they think plants need to grow. Explain that we are going to see if the celery sucks up the water to help it grow.
2. Put some water along with the food colouring in a jar and place a piece of celery in it (with the bottom few centimeters cut off).
3. Ask your child to predict what they think will happen to the celery over the next few days.
4. Observe the changes that take place and talk about why they are happening.
5. At the end of the experiment look at the bottom of the celery or even cut it in half. What do you see? You could take some photos to show the celery changing each day.

# The Colorful Celery Experiment

## Materials & Procedure

### You will need:

celery, water, food coloring, and 3 clear, tall cups or jars.



### Procedure:

**step 1:** Fill the three cups with water. Then add a different color food coloring to each one (dark colors work best).

**step 2:** Clean 3 stalks of celery. Slice about an inch off the bottom of all 3.

**step 3:** Stand one stalk of celery in each of the cups.

**step 4:** Let the cups of celery and colored water sit for a few days. Make observations over the course of several days.



### 3. Finding out more

Here are some great videos about the 'Butterfly Life Cycle' and 'Growing plants, fruits and vegetables'. Just click on the links below:

#### **Butterfly Life Cycle:**

[https://www.youtube.com/watch?v=WcokL7PRrnY&feature=emb\\_title](https://www.youtube.com/watch?v=WcokL7PRrnY&feature=emb_title)

<https://youtu.be/a75Jqde8k1l>

#### **Growing Plants and Vegetables:**

<https://www.bbc.co.uk/cbeebies/makes/plant-pots?collection=national-gardening-week>

<https://www.bbc.co.uk/cbeebies/joinin/cbeebies-house-get-out-and-grow?collection=national-gardening-week>

<https://www.bbc.co.uk/bitesize/topics/zpxnyrd>

Please take some pictures of your activities and email them over to us at:

**[Mrs Timmins email](#) or [Mrs Rudge email](#)**