

# Year One Science Home Learning

We have finished our topic on plants. Today we are going to do a science lesson on our Literacy book this week 'The Cautious Caterpillar'. The caterpillar turns into a beautiful butterfly. Look at the link below to watch the transformation, and see if you can label the different parts of a caterpillar. You can also try and make your own butterfly feeder. You can find the instructions for this on the next page or you can make your own caterpillar and butterfly out of different materials.

**Transformation of a caterpillar:** <https://www.bbc.co.uk/teach/class-clips-video/how-caterpillars-change-into-butterflies-no-narration/zn4rkmn>

On the **head** they have a powerful mouth (for eating leaves) and six eyes. They also have antennae, which allow them to smell. They also have little spinnerets on their head which allow them to spin silk. They can use this to make webs and cocoons.

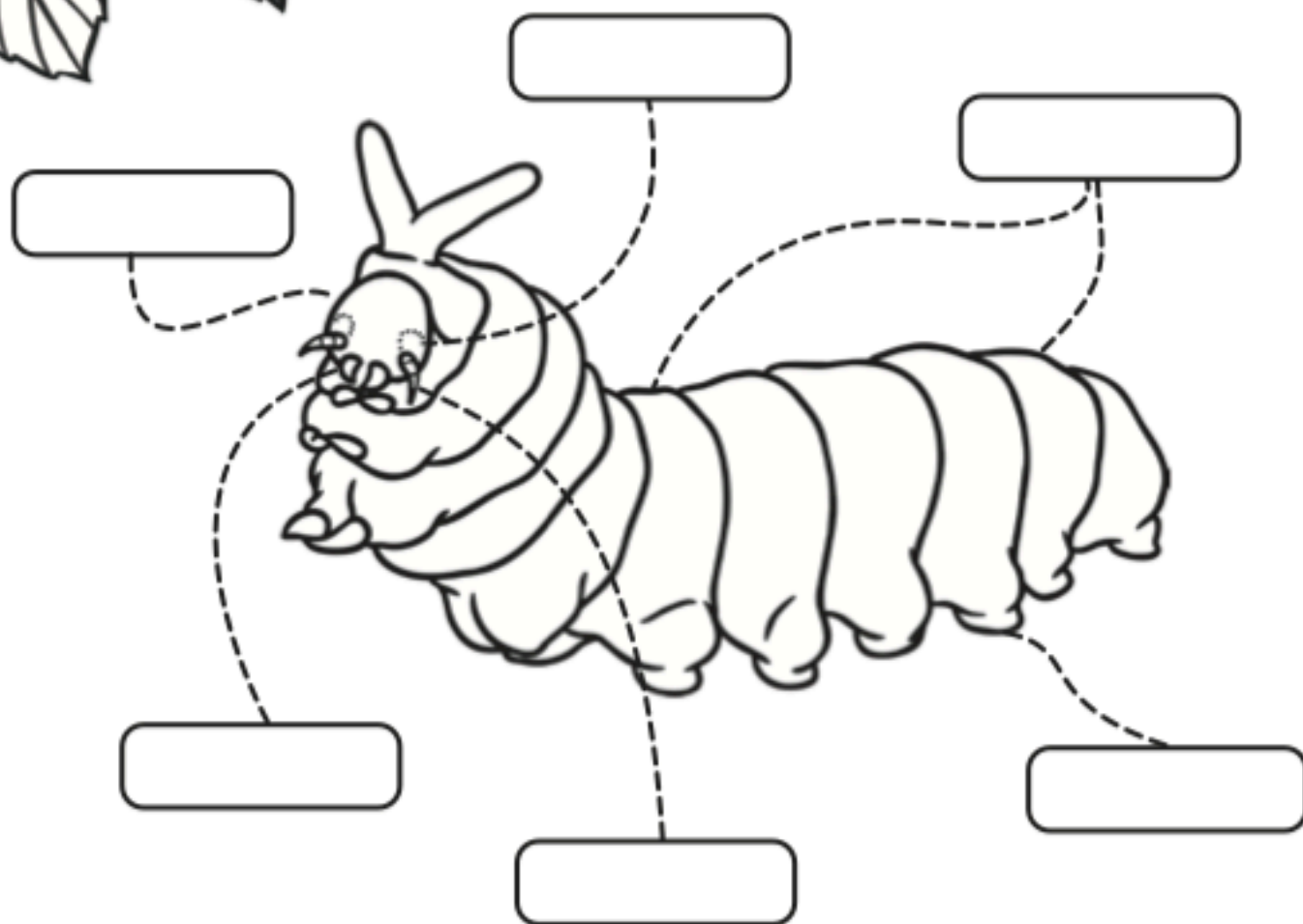
## What are the different parts of a caterpillar?

The **thorax** is the next section of the caterpillar, in the middle of their body. The thorax has three pairs of true legs that they use to hold onto their food as they eat it.



Then there's the **abdomen**. The abdomen has legs too, except these are different. These are towards the back of a caterpillars body and help them climb. They have

# Label the Parts of the Caterpillar



head

eyes

abdomen

jaw

antenna

legs

## Alternatively!

You could show the transformation from a caterpillar to a butterfly by using different materials to show each stage or you could make your own butterfly out of paint.

### Can you create an egg?



### Can you make a caterpillar?



### Can you design a butterfly?



# Make a butterfly painting

wildlife  
watch



#### You will need

- Water-based paints



- Brushes



- Pastel coloured sugar paper



- Marker pen



- Plenty of newspaper (to cover tables!)



- 1 Fold a piece of sugar paper in half, side to side, and open it out.



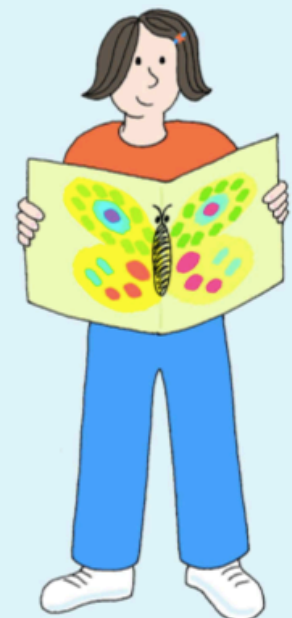
- 2 Paint the shape of butterfly wings on one half. Fold the paper over again and press it down.



- 3 Open out the paper and add more colours to one side. Refold and press.



- 4 When the butterfly wings are dry, add a body and antennae with a marker pen.



## Alternatively!

You can make your own butterfly feeding table, by using these simple materials and ingredient.

# Make a butterfly feeding table

wildlife  
watch

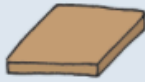


### You will need

- Four metal screw eyes



- 30cm square piece of plywood



- String



- Jam jar lids



- Sugar solution  
(sugar dissolved in hot water – use when cool)



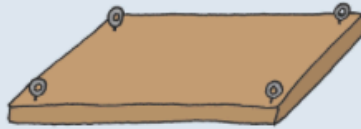
- Coloured card



- Scissors



- 1 Screw the metal eyes into the four corners of the plywood.



- 2 Thread a one-metre piece of string through two of the eyes and over a tree branch before securing with a knot. Repeat for the other side of the table.

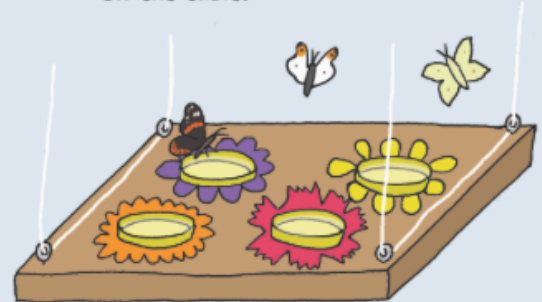


Make sure the table isn't hanging at an angle.

- 3 Pour sugar solution into jam jar lids and carefully place them on the table.



- 4 The butterflies will be attracted by the sugar solution, but try making your table more appealing by cutting flower shapes from coloured card and placing them under the lids on the table.



Do the butterflies prefer different colours or shapes?