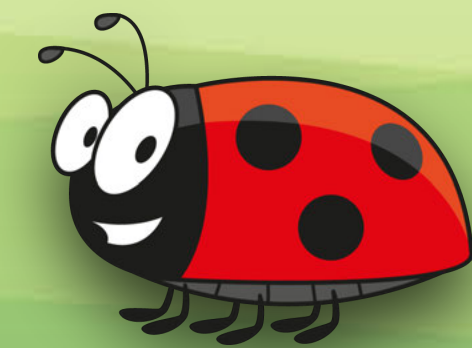
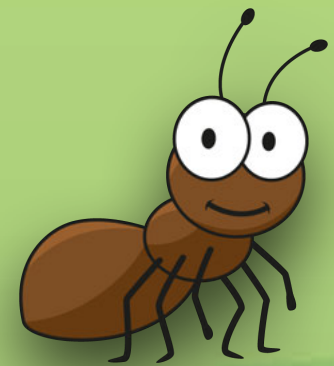
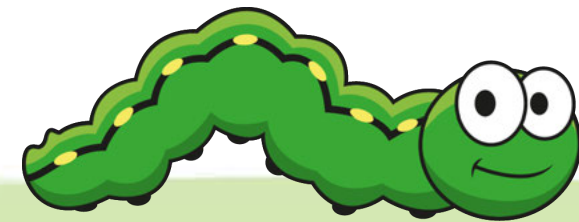


Moving Minibeasts



Today we will be...

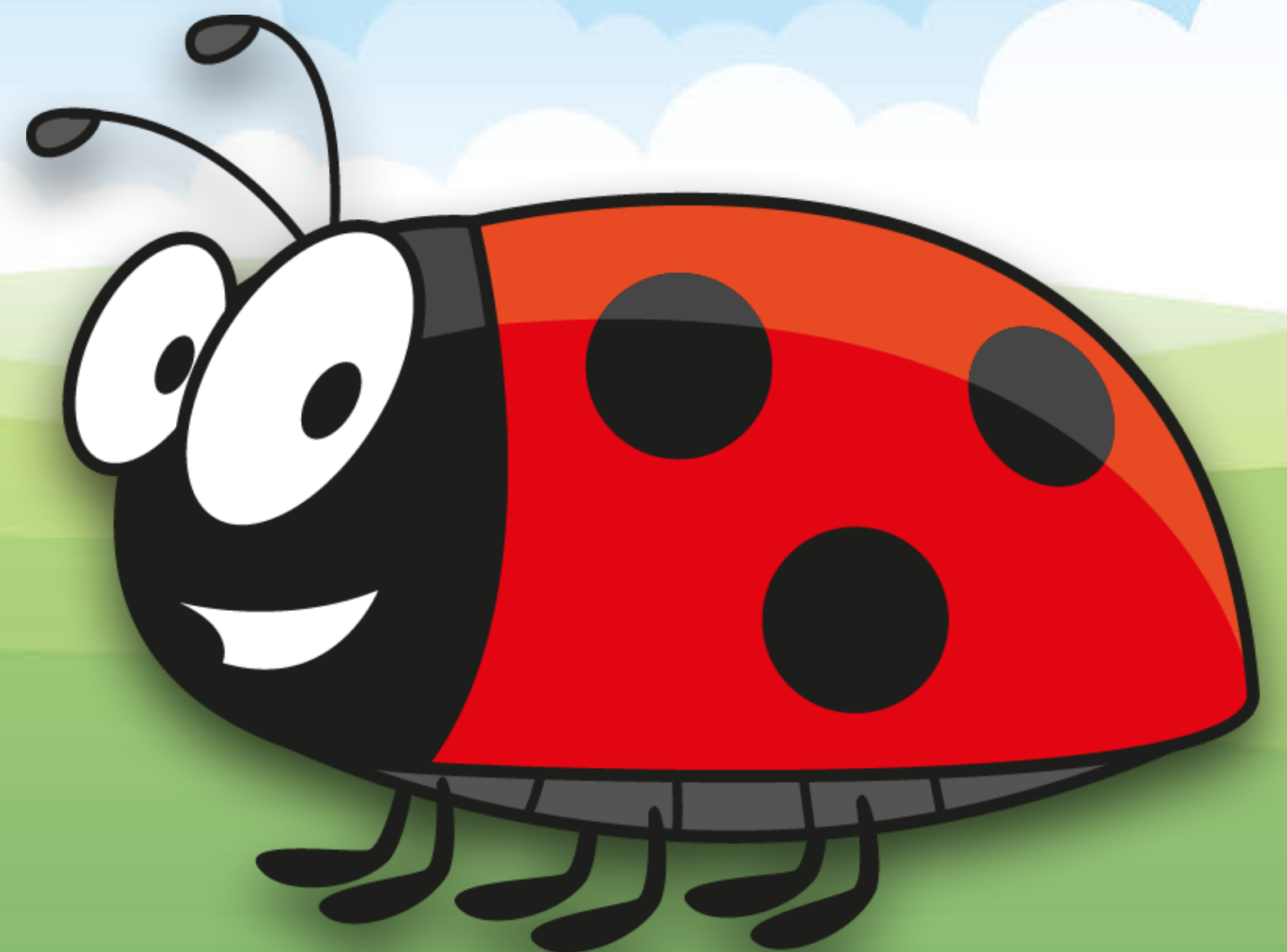
learning how to create a wheel mechanism

Back

Next

Can you remember the two different **mechanisms** we have used to make our moving pictures so far?

Explain how each one works to a partner.



Back

Next

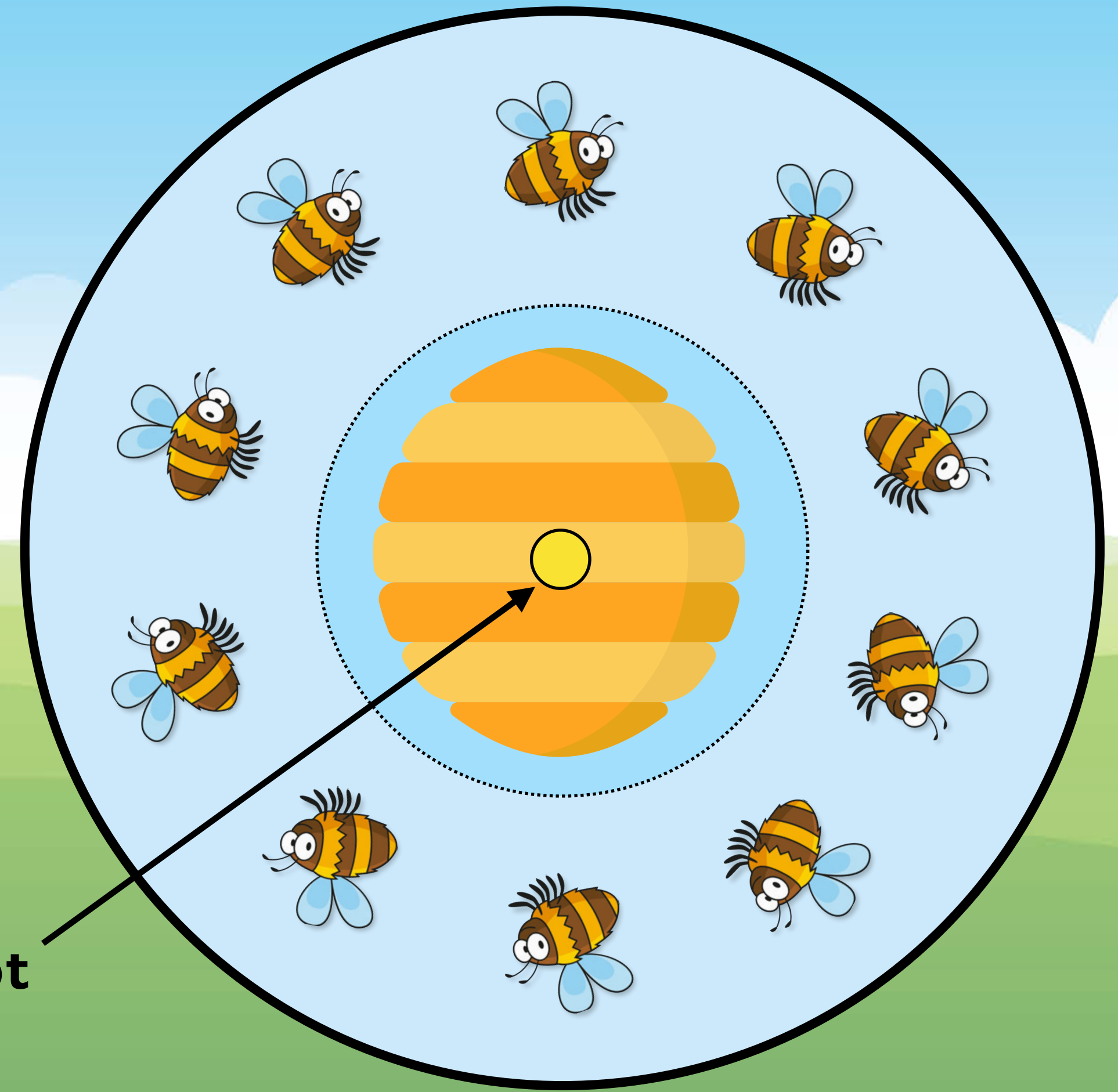
Today we are going to look at a third type of **mechanism**.

This is called a
wheel mechanism.

Which part do you think
moves? How?



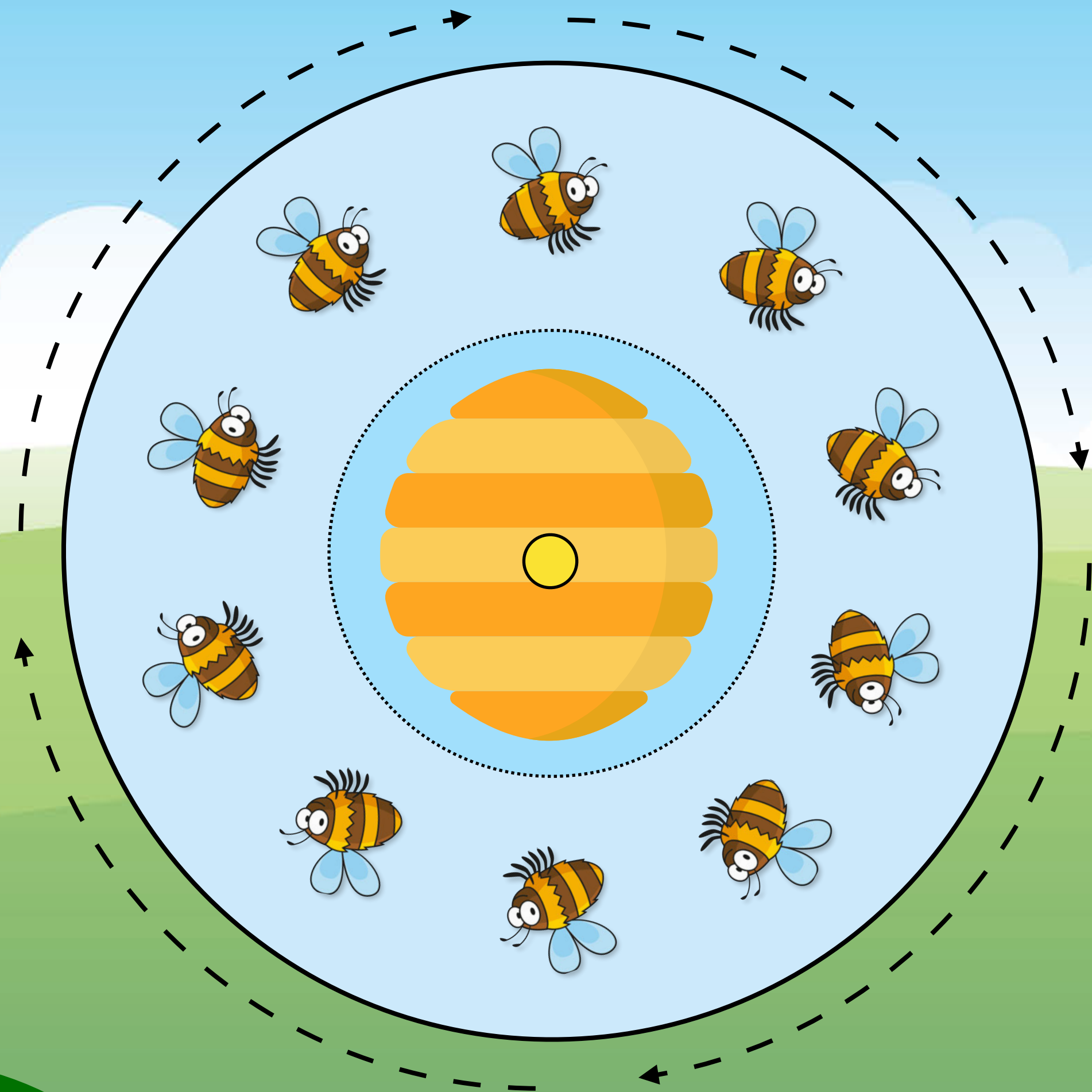
pivot



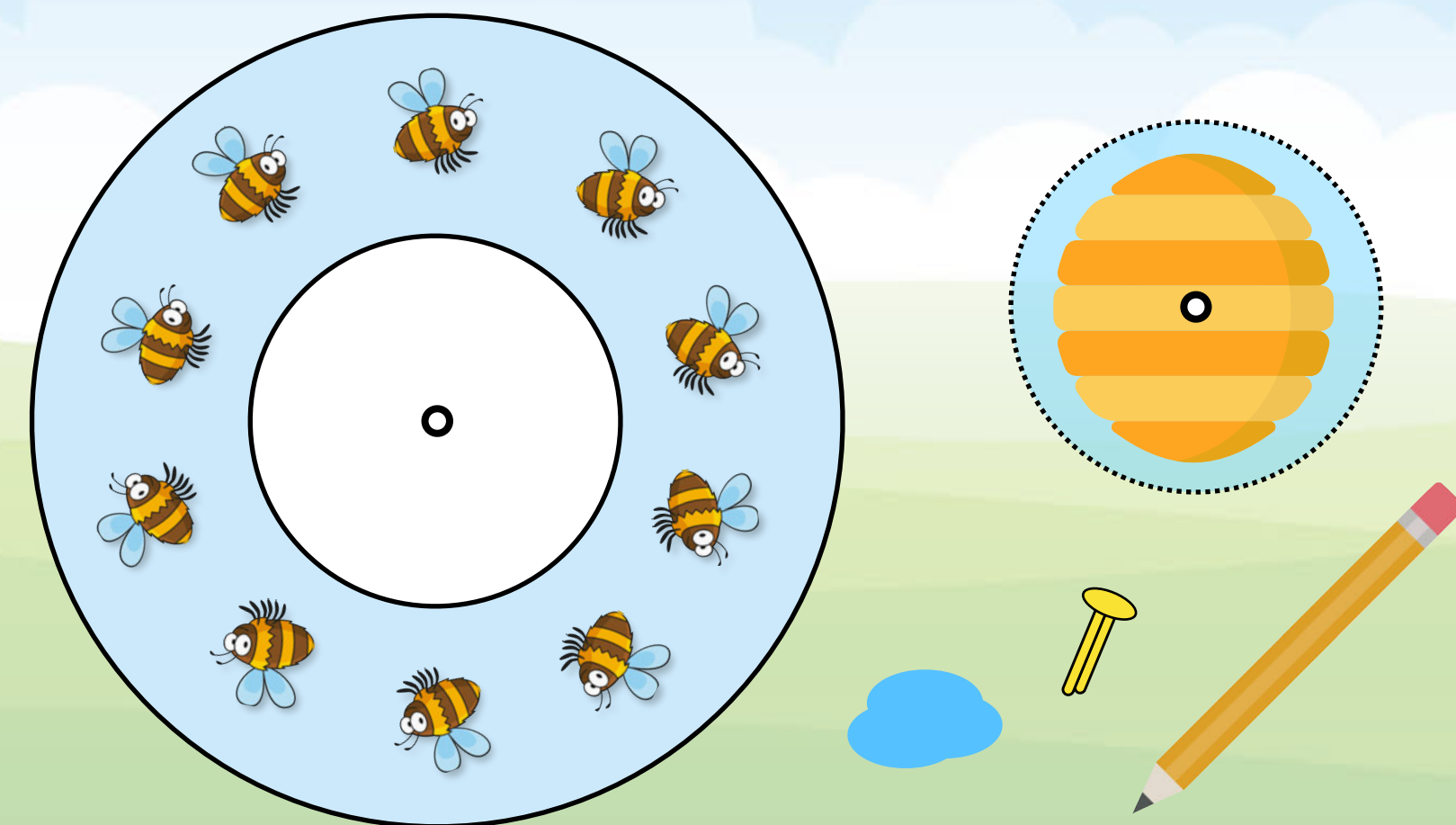
Back

Next

The **pivot** allows the outside, larger wheel to move around the inside, smaller wheel. This makes it look like the bees are flying around the hive!



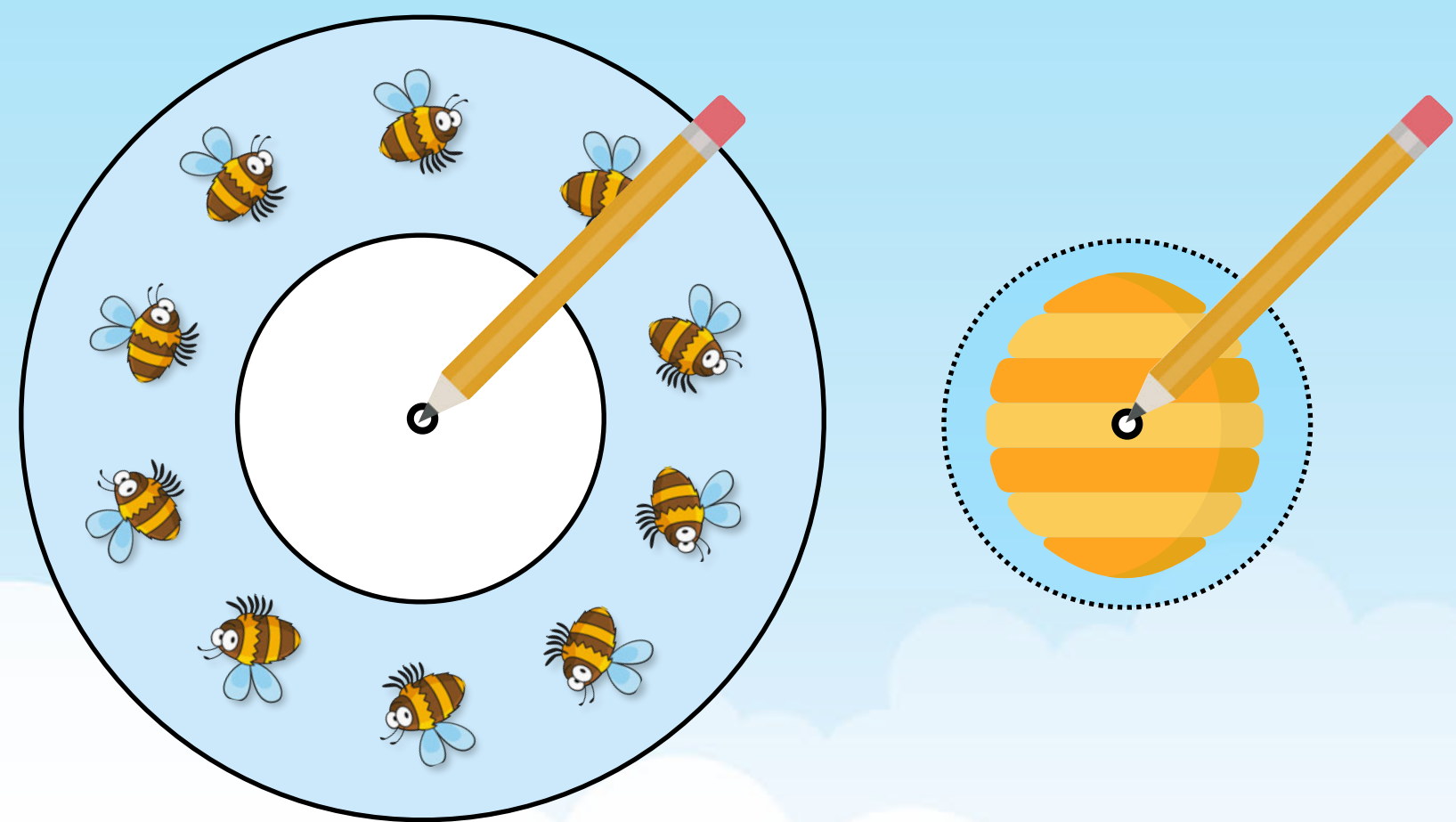
Here is the equipment needed to make this moving picture:



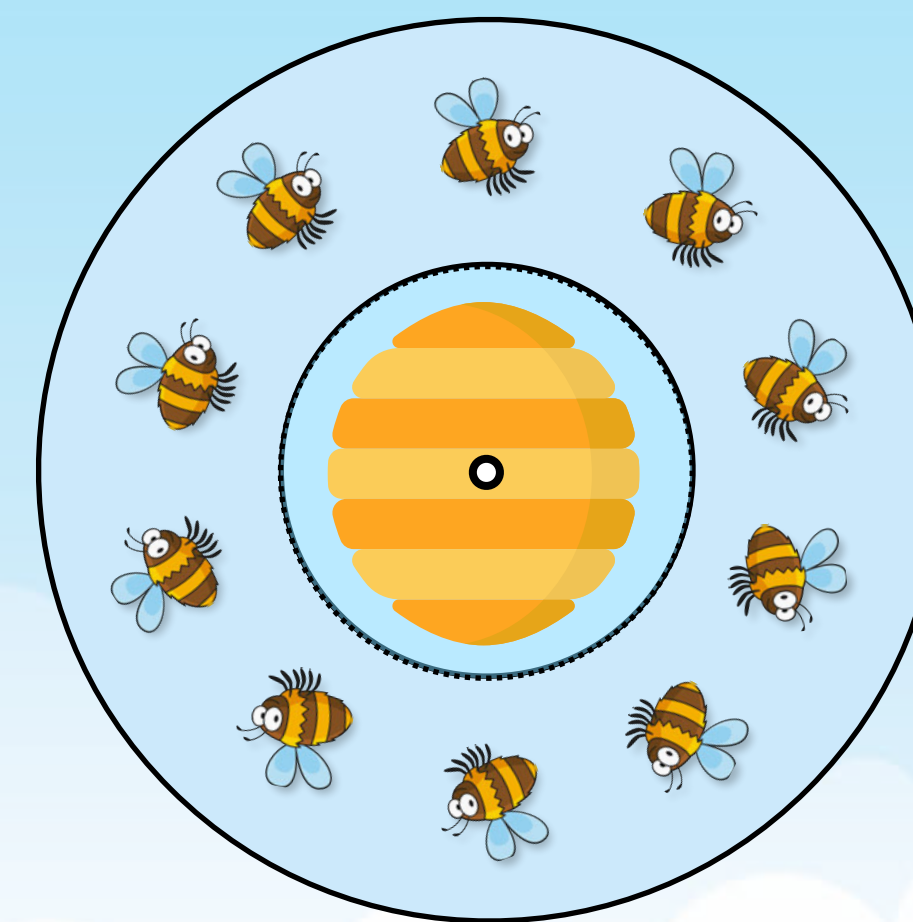
With a partner, can you explain how to make it?

Back

Next



First, a hole needs to be made through the centre of each of the wheels.



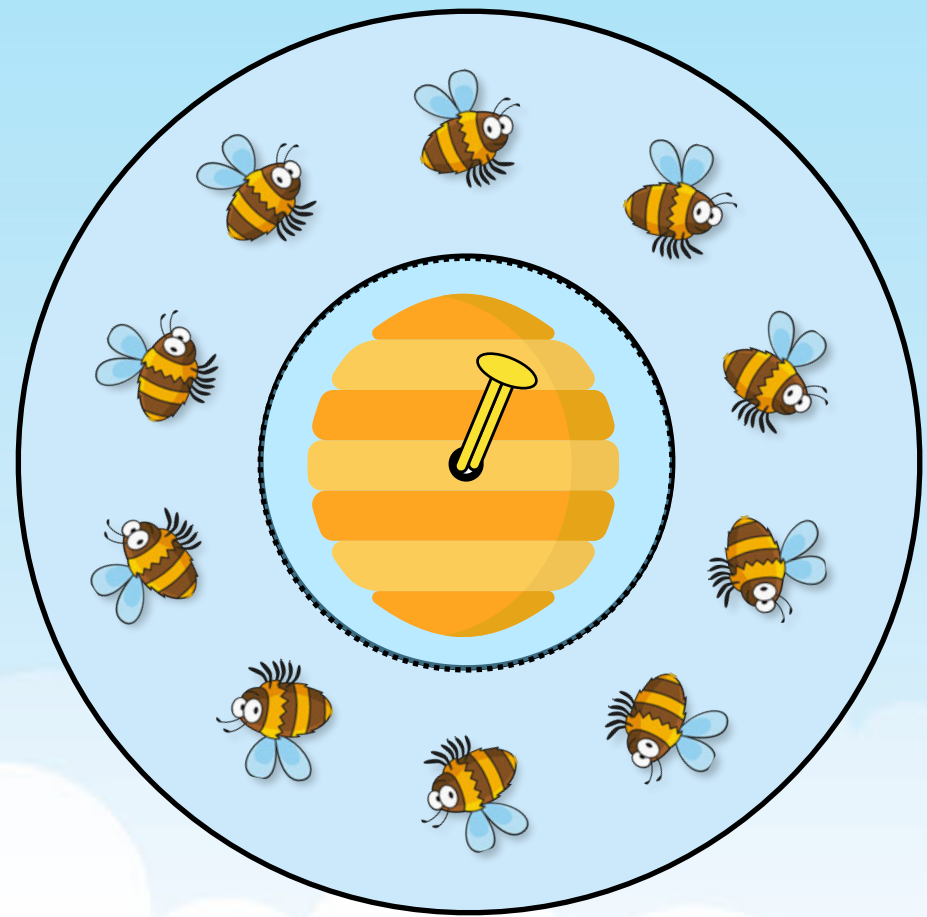
Then, carefully line up the two holes by placing the smaller wheel on top of the larger wheel.



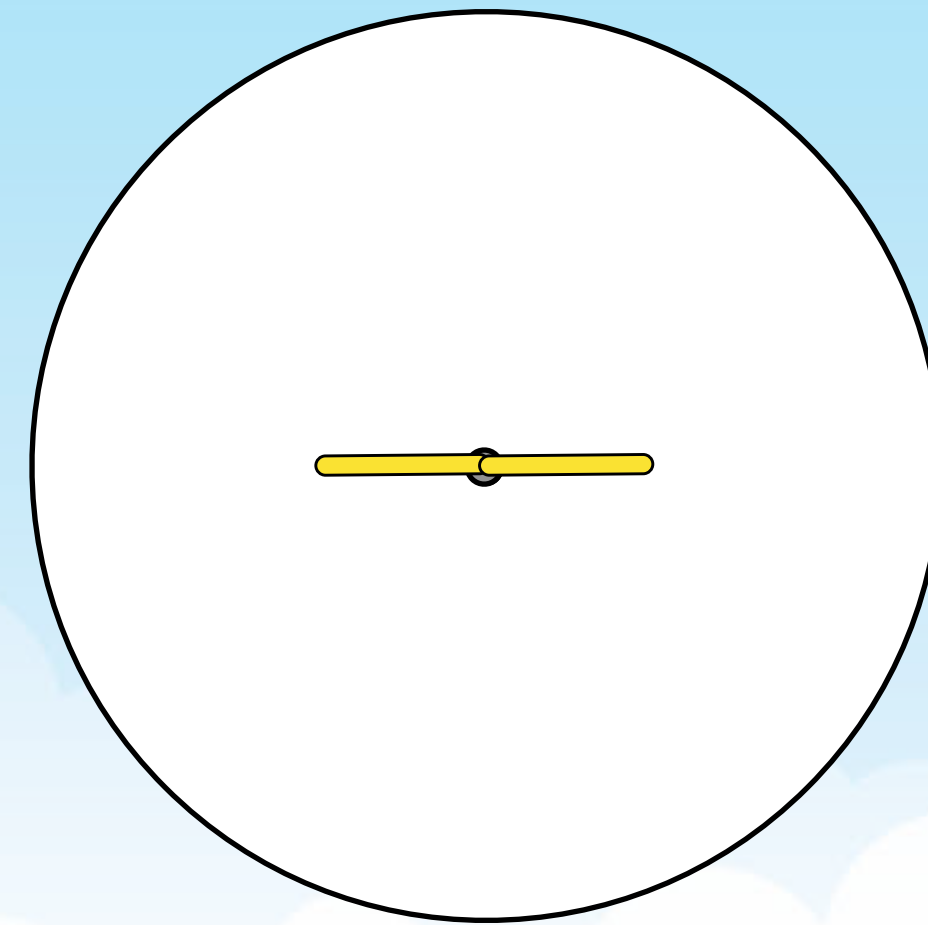
Can you remember how to **safely** make a hole in your card using some sticky tack and a sharp pencil?

Back

Next

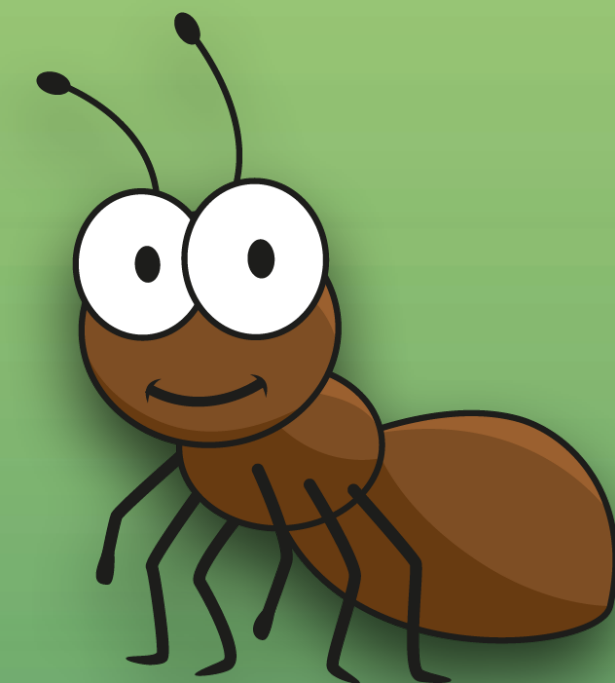


Push a paper fastener through the front of both of the wheels.



Turn over the wheels and flatten out the pins of the paper fastener.

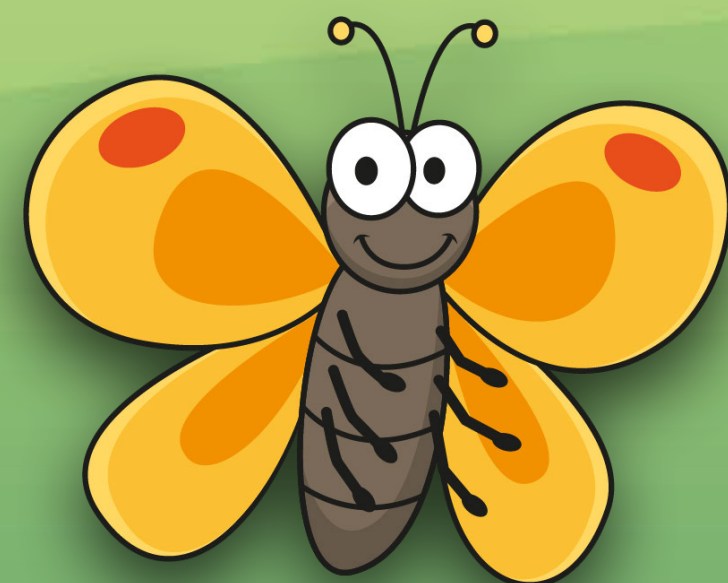
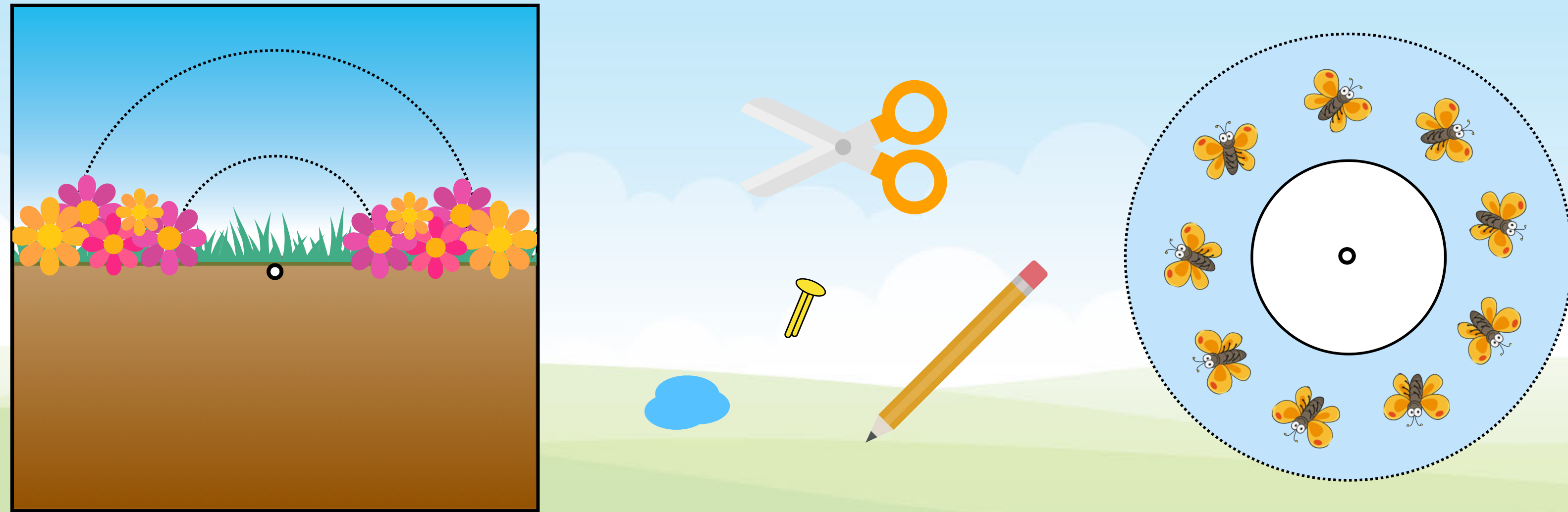
TOP TIP! You may wish to thread a bead through the pins before you flatten them so that you can hold onto this as you turn the outside wheel.



Back

Next

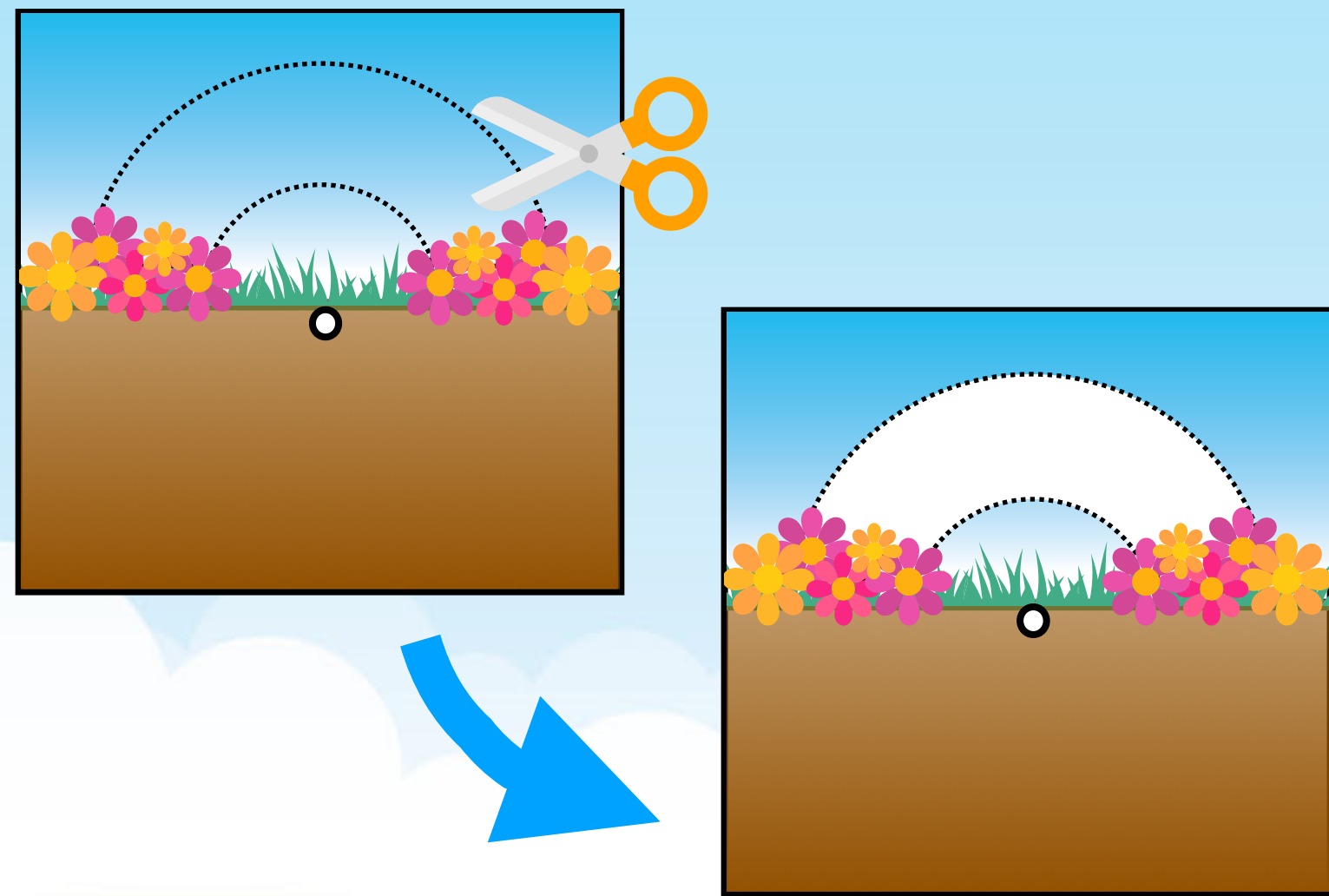
Here is the equipment needed to make a different moving picture with a **wheel mechanism**:



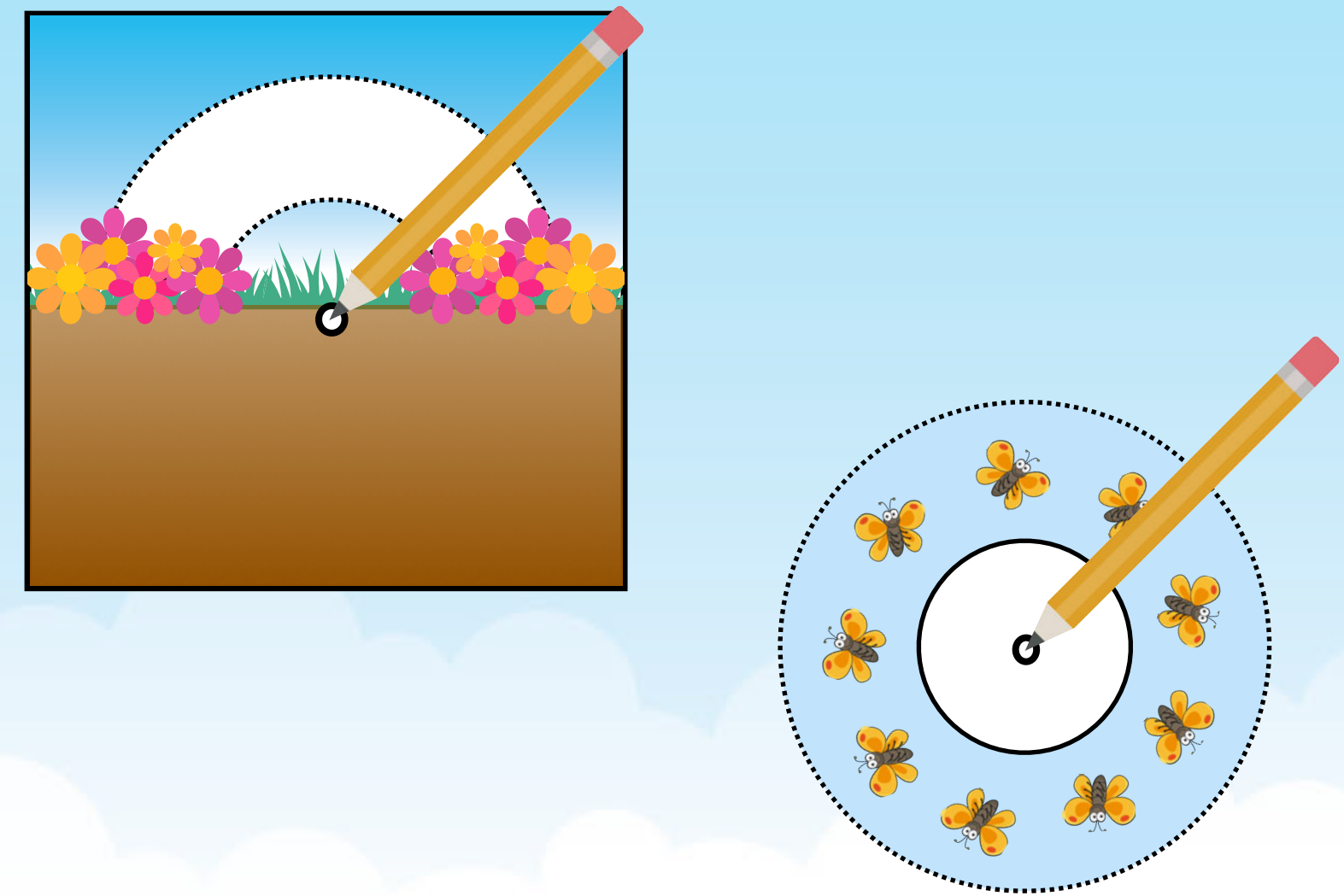
Look carefully at the equipment above.
How can it be used to make a moving picture
of butterflies flying through the sky?

Back

Next



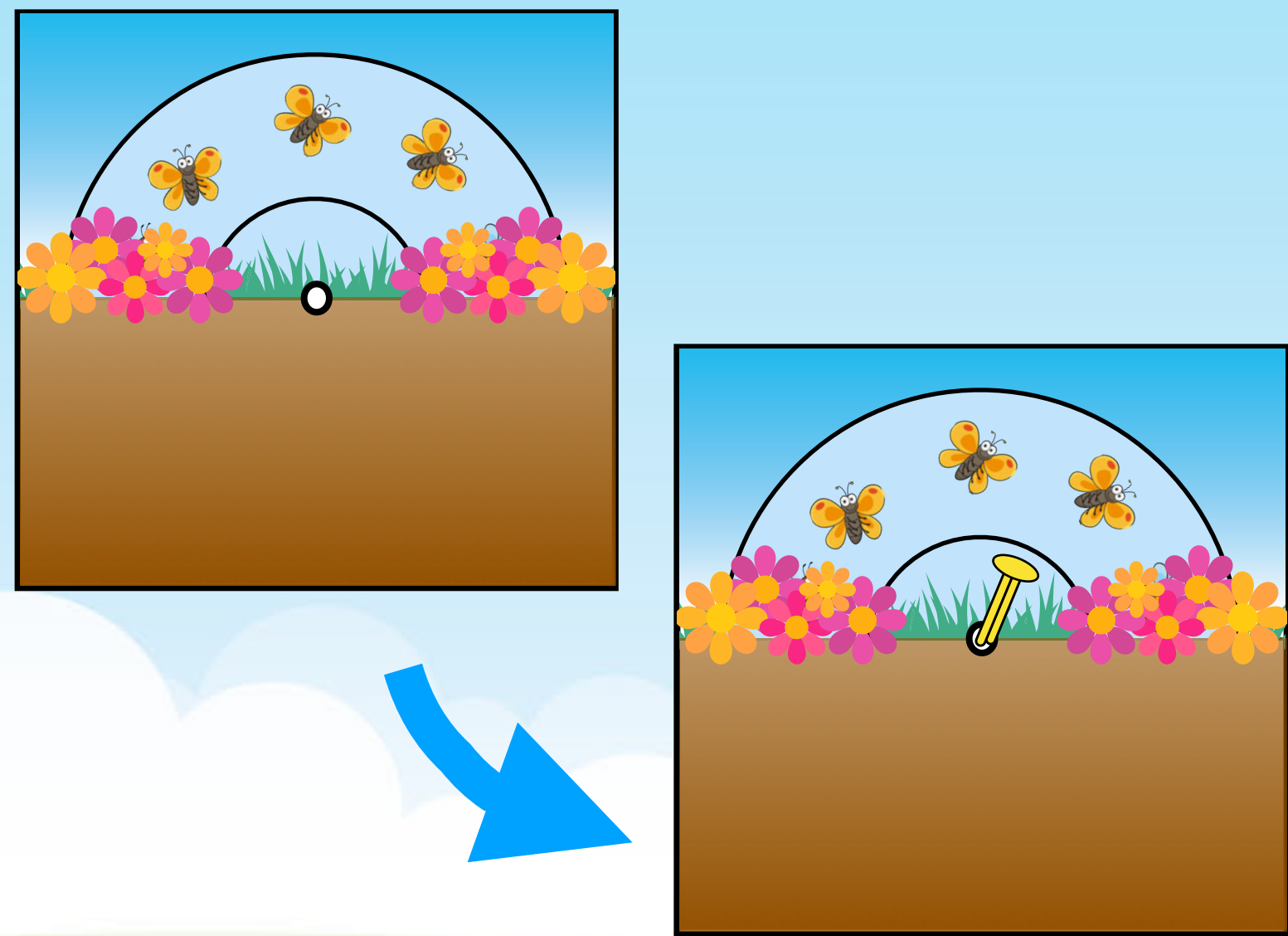
First, use a pair of scissors to carefully cut out the window marked by the dotted lines.



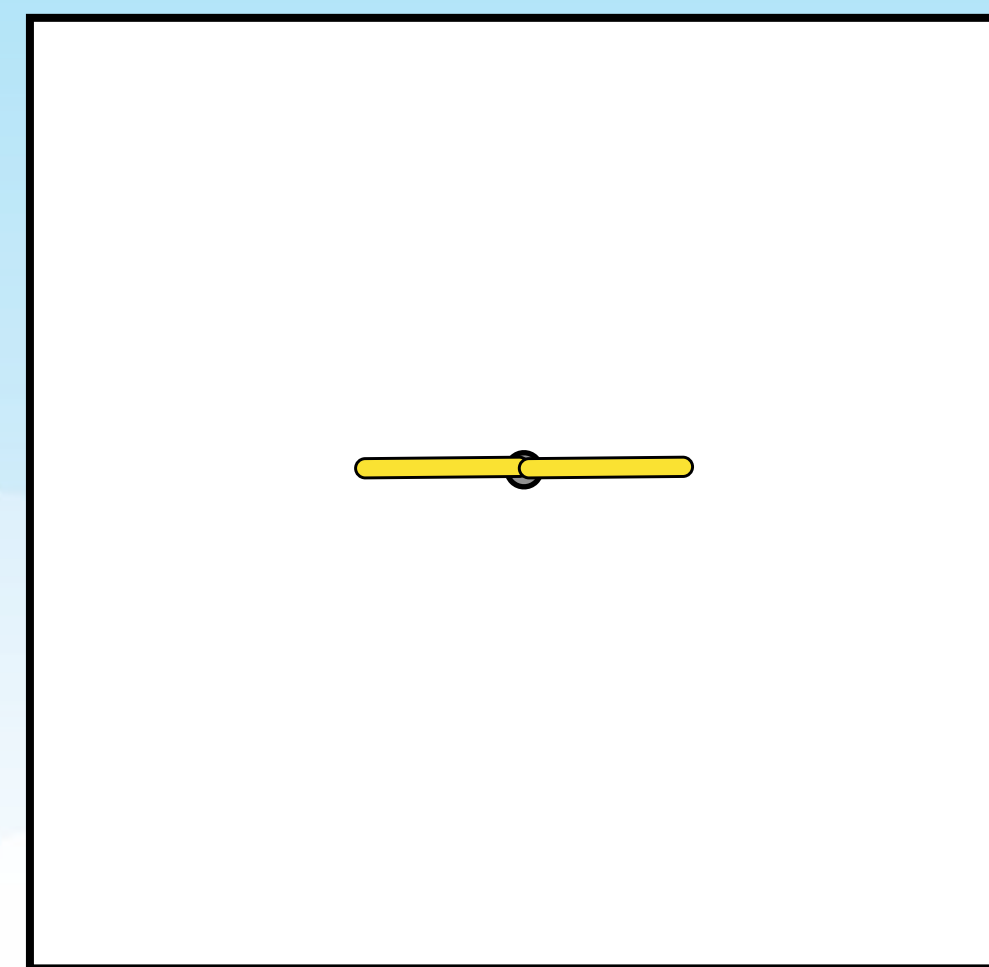
Next, make holes in the centre of the picture and the wheel, using a lump of sticky tack and a sharp pencil.

Back

Next



With the wheel behind the picture, line up the holes carefully, and push a paper fastener through them.

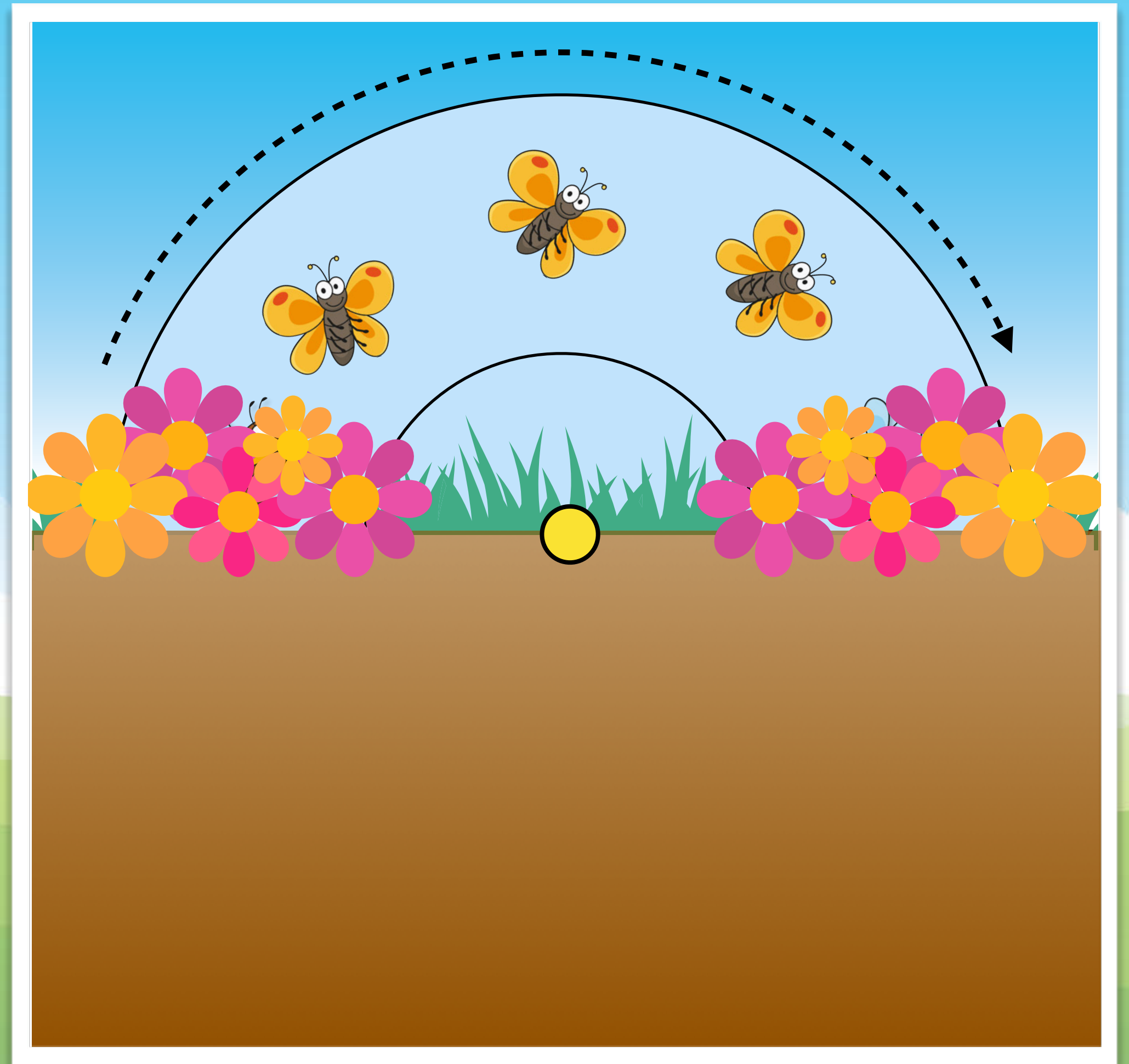
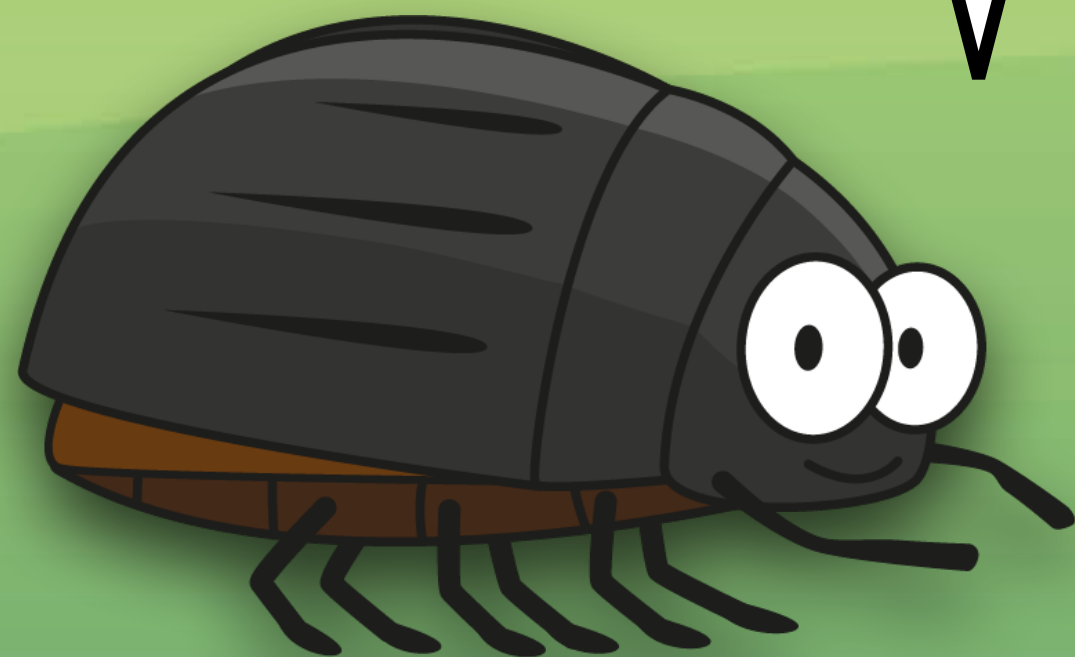


Turn the picture over and flatten out the pins of the paper fastener.

Back

Next

The wheel can then be turned at the back to make it look like the butterflies are flying through the air from one bunch of flowers to the next!



Back

Next



Now it is your turn to use the
wheel mechanism to make
a moving picture!

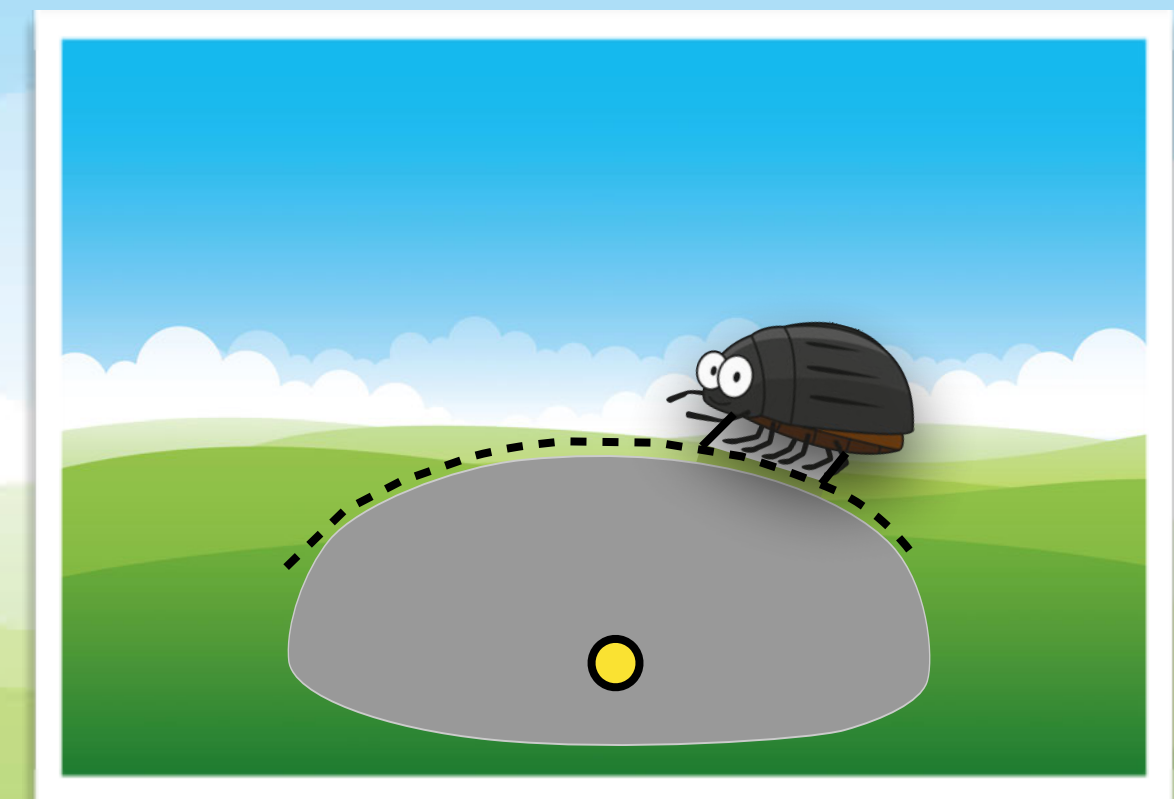
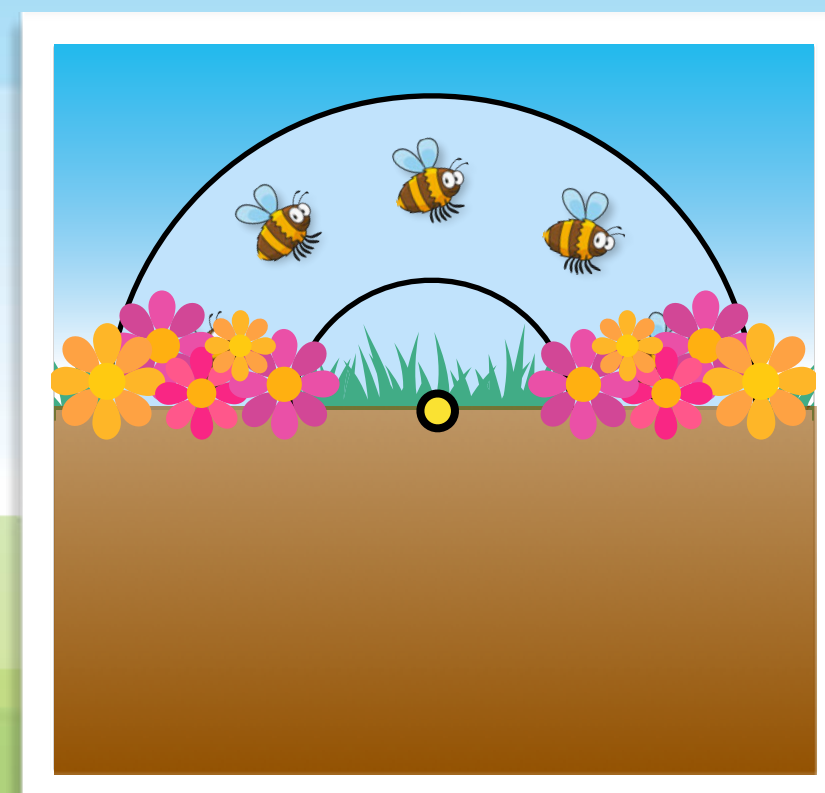
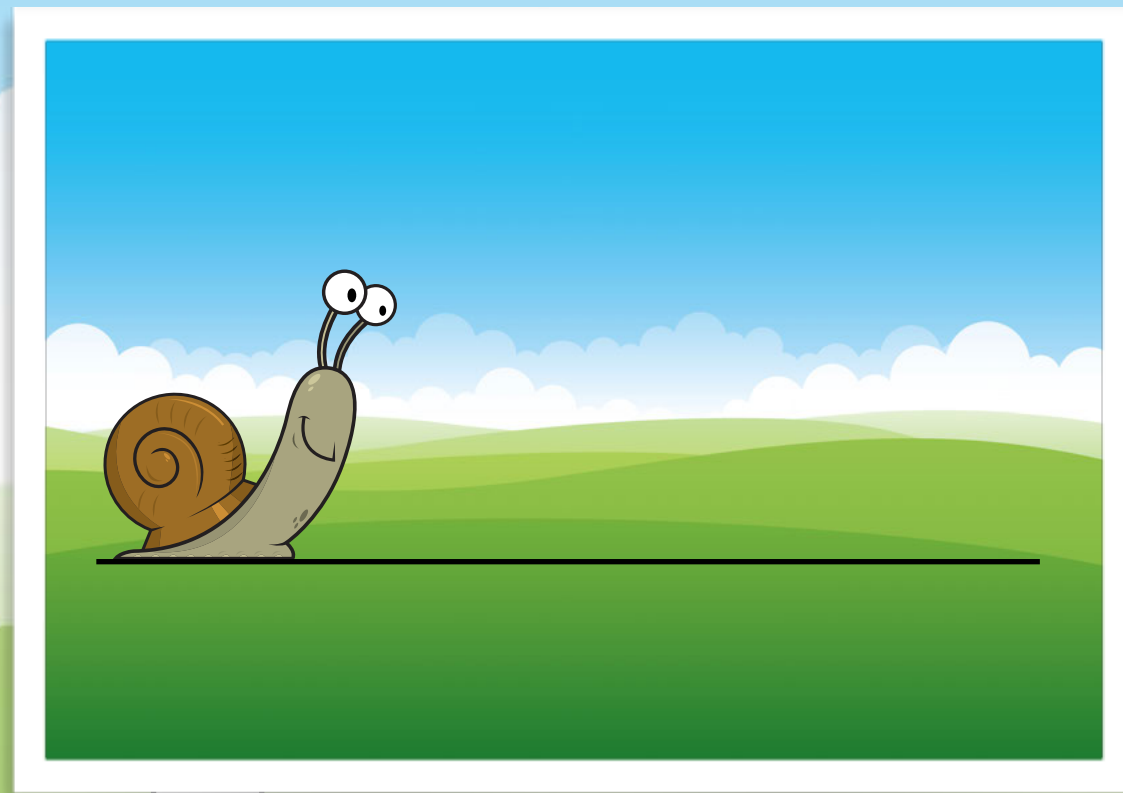
Back

Next

Plenary:

We have now explored three different ways of making moving pictures.

Can you match up the moving pictures to the mechanism that has been used to make them?



**lever & pivot
mechanism**

**sliding
mechanism**

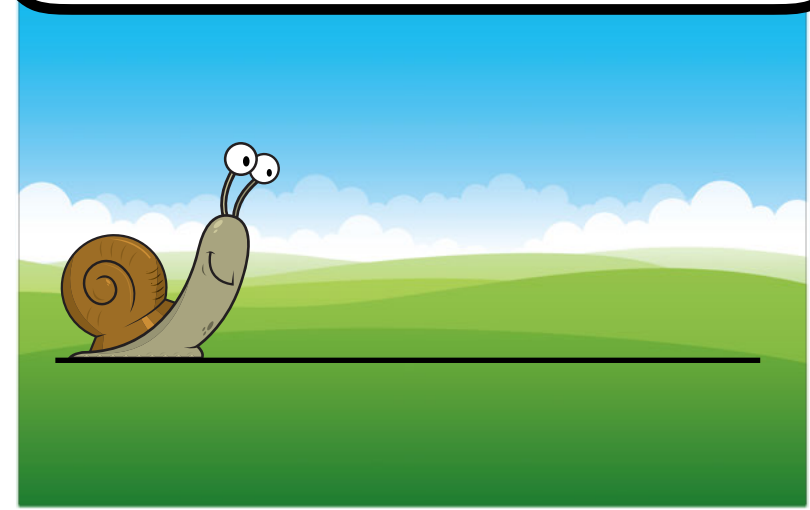
**wheel
mechanism**

Back

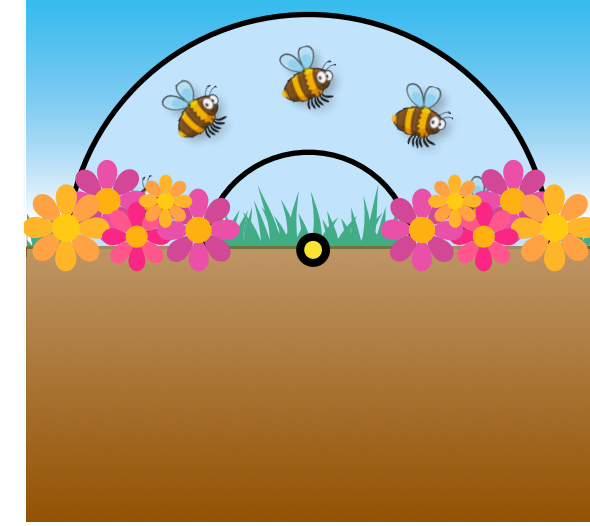
Next

Plenary:

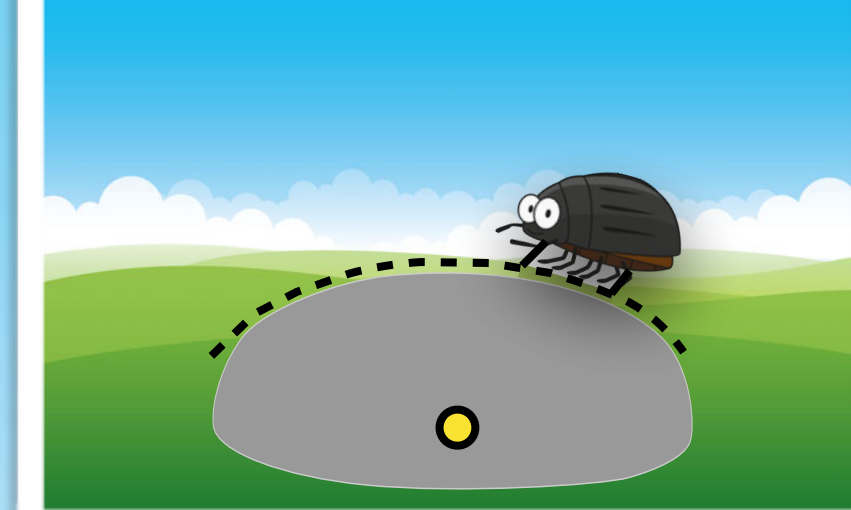
sliding
mechanism



wheel
mechanism



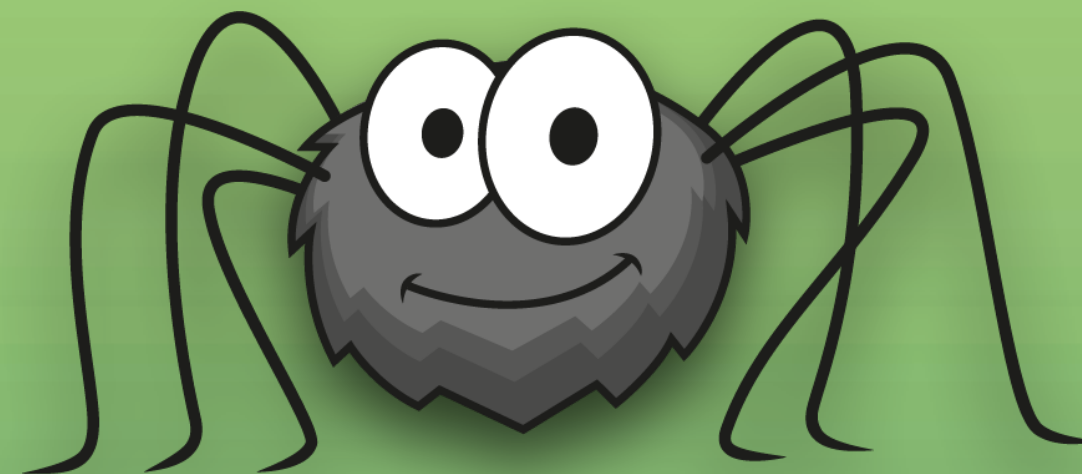
lever & pivot
mechanism



Which did you enjoy
making the most?
Why?

Which did you find most
difficult? Why?

Which do you think
you would like to use
again? Why?



Discuss your ideas as a class.