



D.T: Levers and Mechanisms

How can we use pulleys, levers and mechanisms in everyday objects?



If you pull this part (tab) it will show you what is hidden.



When you move this part the rocket will move.



Having parts that move makes the book more interesting and I want to look at it more.



Making a moving picture.



You move the person/animal by moving the stick behind the paper.

Cutting the slit for the dog to run along was the hardest part as you had to fold the paper to cut it so you didn't cut through all the paper.



Making a moving frog puppet and final product.

The tongue moves when you pull the pulley. It looks like the frog is poking it out.



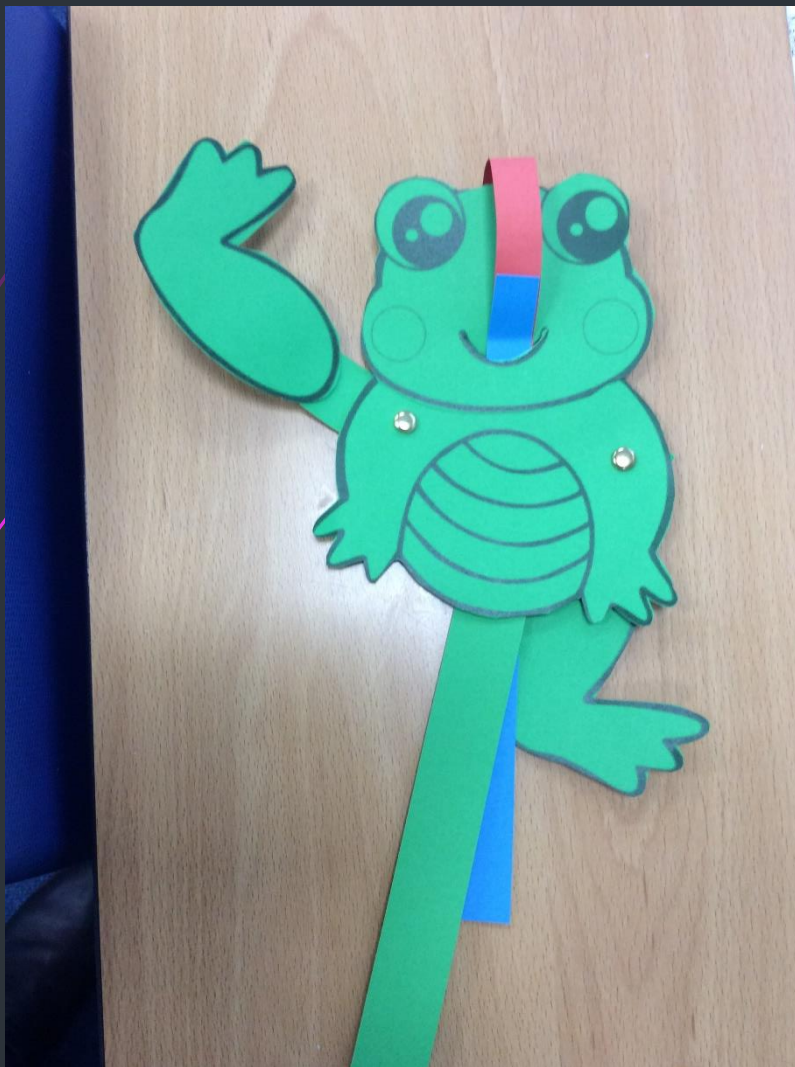
The frogs legs move when you pull this part.



I think it is funny because the tongue is bright red.

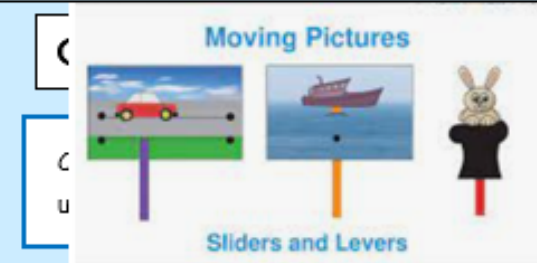
We made hinges and a pulley to help to make the legs move.

Final product



What we already know:

- When we made lunchboxes in DT we had test/ evaluate if they were successful at what they were intended to be used for.
- EYFS use junk modelling to create their own designs and products.

**Forever Facts**

I know that you have to choose the right materials to fit the purpose of a product.

I know that a pivot joins materials together but allows them to move.

I know that different types of mechanisms such as sliders and levers, allow pictures to move in different ways.

Culture Capital

- Giving and receiving constructive criticism on our designs and products.
- Learning about how things move and work - you could be an

Exciting books**Skills**

- Use levers in pans.
- Use plans to show how to put their ideas into practice.
- Practise skills before using them.
- To use levers to create a mechanism.

Subject Specific Vocabulary

Lever	The simplest type of mechanism is called a lever. A lever is a stiff bar which moves around a pivot. The pivot can be loose or fixed.
Fixed pivot	A split pin that joins card strips to the backing card.
Loose pivot	A split pin that joins card strips together.
Linkage	A mechanism made by connecting together levers around a pivot to produce the type of movement required.