

Design Technology Summer 1

- Explore and use mechanisms such as levers, sliders and wheels.
- Use a range of tools for cutting and joining.
- Communicate ideas through talking and drawing.

Exploring existing products – books with moving parts.



Some pages pop up – that's still moving!

Some books have flaps that lift and move.

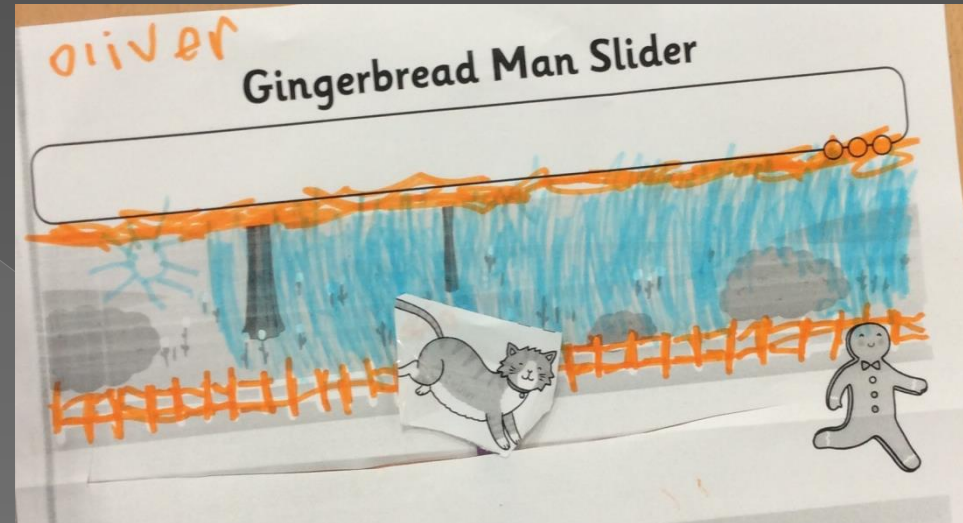
Some books have bits that slide up.





- ◉ Some books has pop up parts, sliding up and down parts, sliding across parts, a wheel that moved and flaps to lift. We chose to have a go at making a few.

Creating our own sliding picture.



My lolly stick
slides across the
page.

My picture is moving
Miss Gillespie!

We had a go at making a moving wheel.

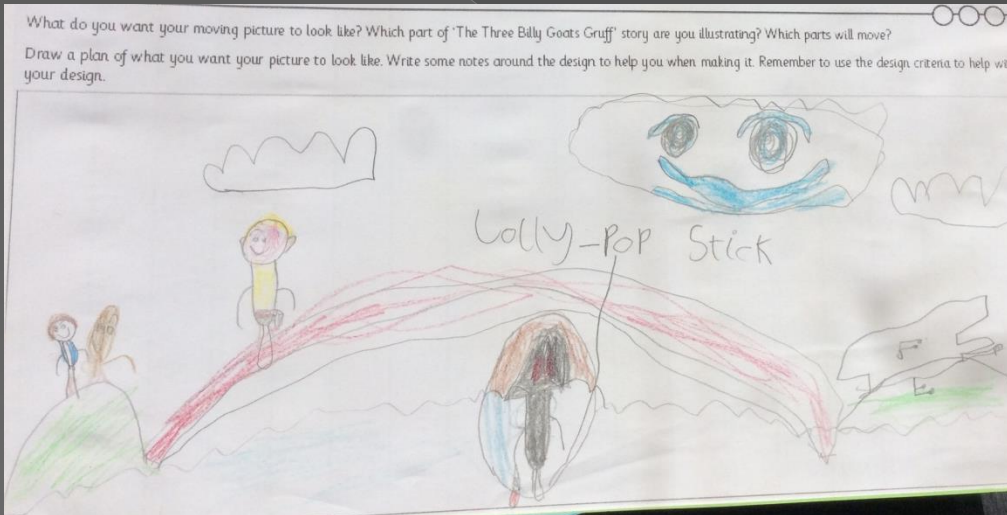


The pin is the pivot to make it move.

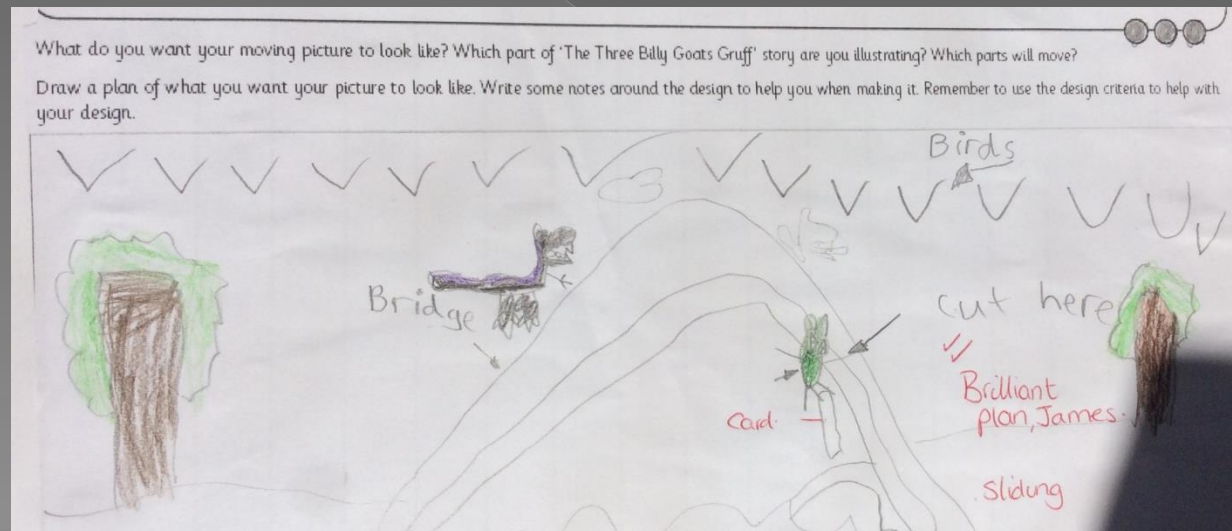
I'm using blue tack under my paper to make the hole



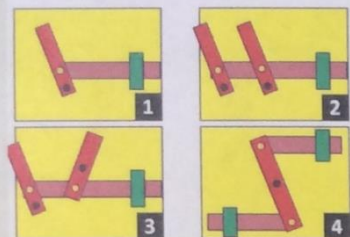
Then we had a go at designing our own moving picture for The Three Billy Goats Gruff



Mine is going to have a slider to make my person move over the bridge.



How will it work?



Forever Facts

A lever is one of the most basic forms of a machine. They help us to lift weight with lesser effort.

We use levers in so many of our day to day activities such as using a seesaw in the park, carrying things in a wheelbarrow and when using a fishing rod.

Lots of children's picture books have moving parts to make them much more interesting.

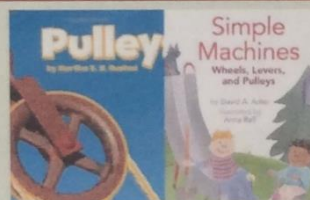
We must evaluate our work to think about what worked well and how we could change things to improve it for next time.

Planning and designing before creating something will result in less mistakes being made and less time being wasted.

Split pins may be simply designed and affordable but they are also very strong and very durable and offer a range of uses.

The wheel is often described as one of the most important inventions in history as it has had such a fundamental impact on transport and transferring objects and weight.

Exciting Books



Our Endpoint

To create a moving picture based on a traditional tale

Subject Specific Vocabulary

Lever

A rigid bar resting on a pivot, used to move a heavy or firmly fixed load with one end when pressure is applied to the other.

Slider

A knob or lever that is moved horizontally or vertically to control a variable such as the volume on a radio.

Design

A plan or drawing produced to show the look and function of something before it is made.

Evaluate

To judge the value or condition of something, eg a design or object.

Split Pin

A metal fastener where two parts bend.

Mechanism

A system of working parts, like a piece of machinery.