

# Class Cremyll

## Design Technology

### Moving Pictures

Design purposeful, functional and appealing products based on design criteria; use a range of tools for cutting and joining; communicate ideas through talking, labelled drawings and explanations.

# Exploring Moving Books

I can explore and evaluate existing products.

22-4-21

R+R

Name of book:

See inside  
Planet Earth

What page did you decide to have a closer look at?

Earth in space

What part of the picture moved?

the moon

What does the moving part do?

SLIP

How does it work? (lever, slider, pivot, wheel, push, pull, direction, up, down, left, right)

You SLIP it up <sup>with</sup> MS your slider

What effect does it have?

You see a picture

How well does it work?

really



Friday 21st May 2021  
21-5-21  
I can explore existing products

- \* books with pages
- \* audio books
- \* pictures and writing
- \* front cover
- \* folder / file
- \* pockets on a page
- \* pop-up book
- \* books made from different materials
- \* sliders
- \* levers
- \* wheel

## Exploring Moving Books

I can explore and evaluate existing products.

Page 22-4-21 ELS R+R

Name of book: LOOK inside SPORTS.

What page did you decide to have a closer look at? Page 2 two and three.

What part of the picture moved? The slaps.

What does the moving part do? It shows more imsomobson.

How does it work? (lever, slider, pivot, wheel, push, pull, direction, up, down, left, right)

up

What effect does it have?

BOOK BOOK

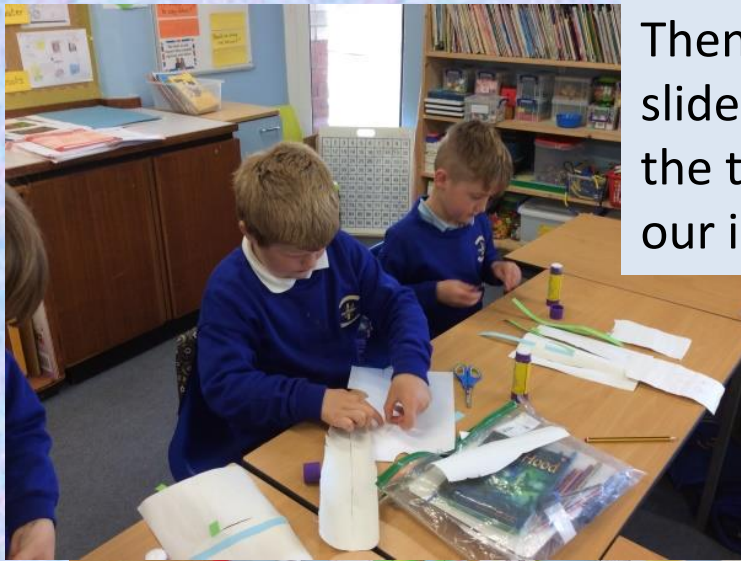


First, we explored books with moving parts.

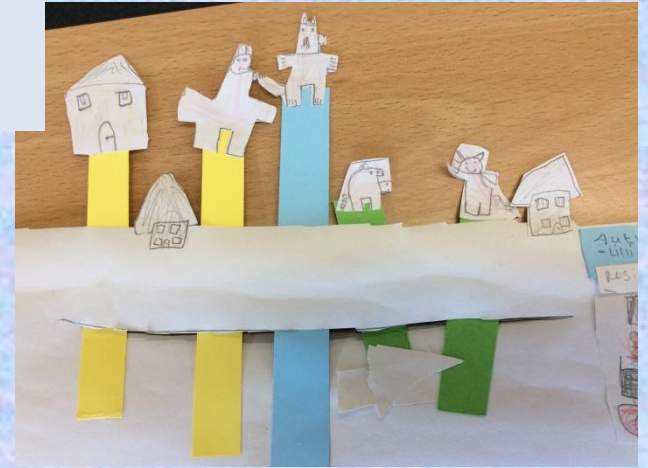
"This book has lots of sliding pictures in it."

"We found a wheel – it shows you different pictures as you turn it."





Then we made our own sliders. We chose one of the traditional tales as our inspiration.

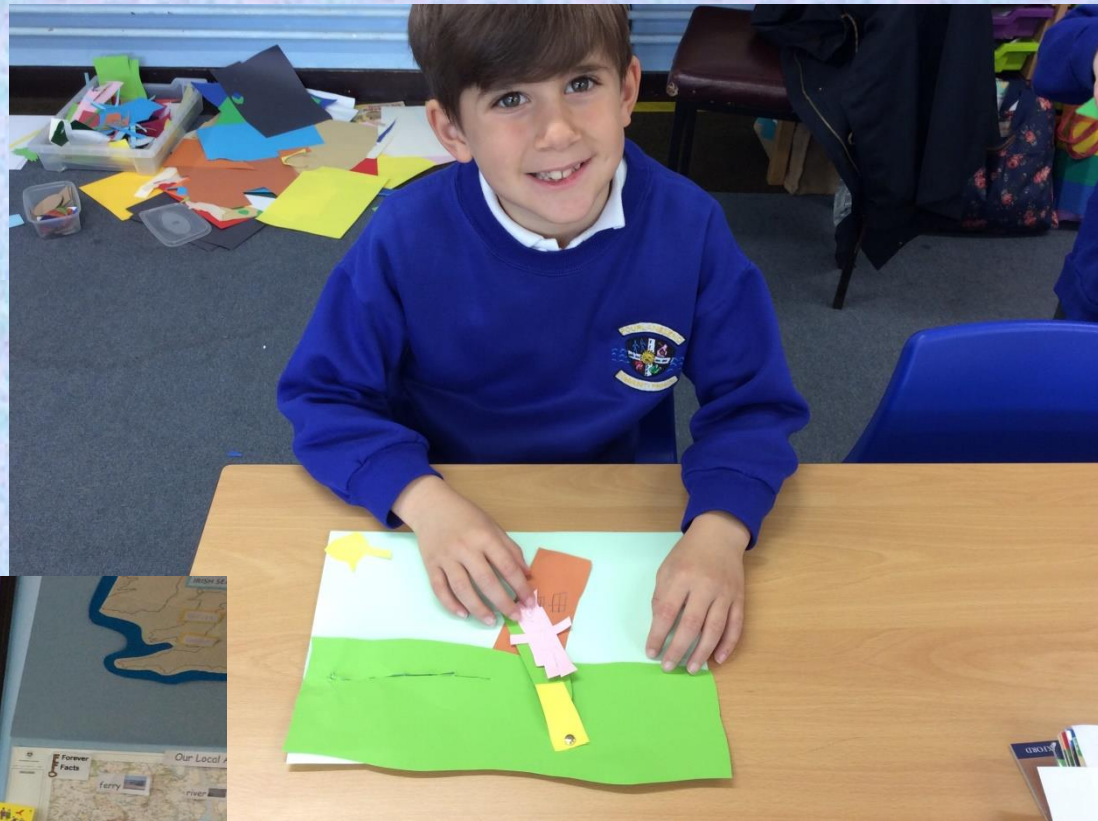


"I chose the 'Three little pigs' because I wanted to make three sliders. I put the wolf in the background, hiding behind a bush."





Next, we investigated how to make a lever. We used the levers to make a character move from behind something or to jump onto something.



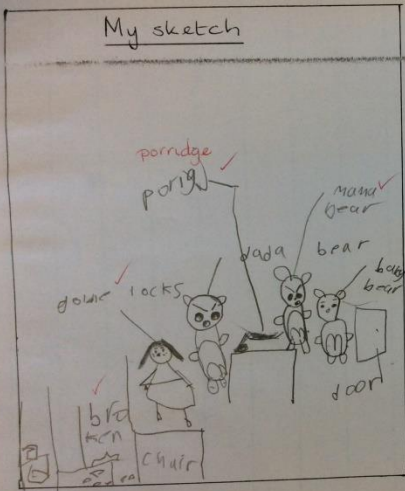
"I liked that I could make the troll from 'The Billy Goats Gruff' jump onto the bridge using a lever."

"It was a bit tricky to put the split pin through the card so we used a pencil and some blutack to start the hole off."



I can design, make and evaluate a moving picture C 28-5-21

### My sketch



### I will need

glue scissors paper people  
pencils / colouring  
Back ground card split  
pin

© C Tara 2hp

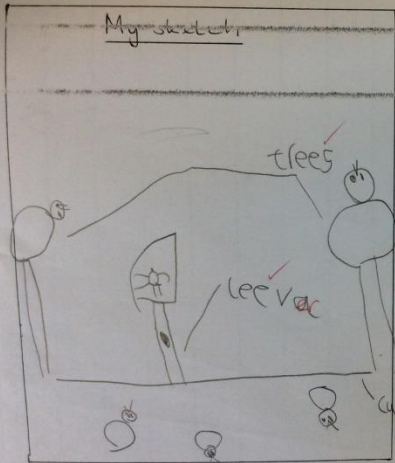
Detailed and labelled diagram

Then we chose a fairytale to recreate using the different mechanisms. We designed our moving picture and thought about what we would need to make it.

I can design, make and evaluate a moving picture C 28-5-21

Max

### My sketch



### I will need

a lolly stick a sheet of paper pens and colouring  
pens

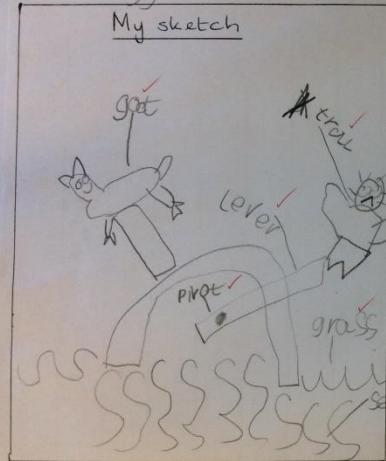
© E for Max 2hp

Detailed diagram

I can design, make and evaluate a moving picture C 28-5-21

Jess

### My sketch



### I will need

glue paper card  
scissors colouring  
pens or pencils  
background

© E for Jess

labelled diagram

Great word choices 2hp

"I challenged myself by putting two levers in my design."  
"I decided to have different sized sliders to represent the different characters."



## Our finished moving pictures!



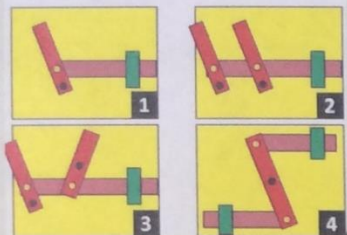
"I really like the way the wolf is on a lever and it can jump out from behind the tree."

"Next time, I'm going to use a slider to show the wolf chasing the pig."





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.

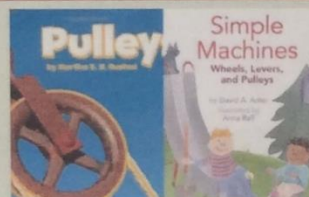
We must evaluate our work to think about what worked well and how we could change things to improve it for next time.

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



### 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.

### Our Endpoint

To create a moving picture based on a traditional tale