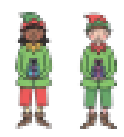
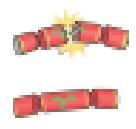




Mechanisms: Sliders and Levers



Year 1  
Design Technology



DT project





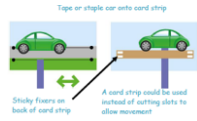
**Glossary**

 **Mechanism**


A thing used to create movement.

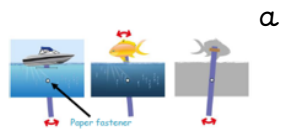
 **Slider**

A bar which moves forwards and backwards or side to side.





 **Lever**


 A bar which moves around point.




**Slot**

 A hole where a slider or lever fit to help the picture move.

 **Joining**  
Putting something together.

 **Direction**  
The way something moves.

 **Other words we will use:**

User, purpose, make, evaluate, design, forwards, backwards, push, pull, cello tape, card, scissors, paper, move, masking tape, glue, paper fastener.



**Evaluation**

Ask your friend to answer these questions

**What do you like about it?**

**I like** \_\_\_\_\_

**Say one thing that could have gone better?**

**What other moving picture would you like to make?**

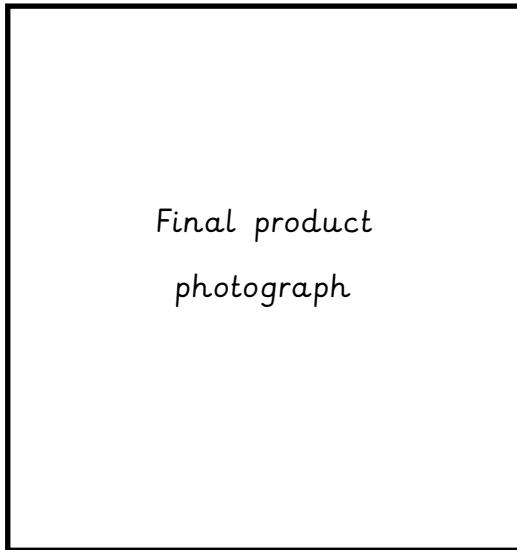
**I would make a** \_\_\_\_\_





Make

My product



Final product  
photograph

Evaluation

Does your moving picture work?

Yes       no

Did you use a lever or a slider?






Lever  Slider

Does it have Christmas pictures?

Yes       No



Year 1 Fact File  
DT – Mechanisms – Moving Pictures

<p><b>Research</b></p> <ul style="list-style-type: none"> <li>A moving picture is a picture that moves in a certain way.</li> </ul> 	<p><b>Design</b></p> <ul style="list-style-type: none"> <li>A lever is a bar which moves around a pivot.</li> <li>A slider is a bar that moves forwards and backwards on a straight line.</li> </ul>  
<p><b>Make</b></p> <p>Split pins are used to make the picture move on an arc.</p> 	<p><b>Evaluate</b></p> <ul style="list-style-type: none"> <li>Mechanisms can be found around the classroom             <ul style="list-style-type: none"> <li>door handles</li> <li>trays</li> </ul> </li> </ul> 





## Research



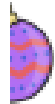
I looked at lots of different moving story books and commented on the following questions.



- Who do you think this book is for?
- Why do you think they would like it?
- How does it move?
- What part moved and what did you have to do to make it move?
- How do you think it works?



Photo of research



## What will my product look like?



The background of my moving picture:



The moving part of my picture will look like this:

What will you need:

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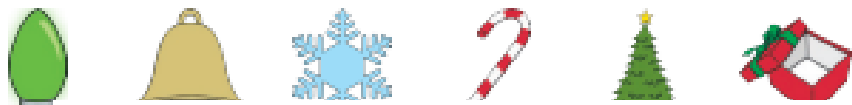


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### Design decisions

#### User and purpose

Design, make and evaluate a moving picture for Christmas.

#### Innovation

What does my moving picture need to include?

- 1) A picture that moves
- 2) Christmas linked
- 3) With a slider or lever that runs smoothly

#### Functionality

Will you use a slider or a lever in your final product?

Slider  or lever

Which direction will your picture move?

Forwards and backwards

Up and down

In a curve



### Skills

Today I practised the skills I will need to create my own moving picture. These included:

- Cutting carefully
- Use the correct tools to join my mechanism
- Creating a slot to allow the slider/lever to move
- Make a slider
- Make a lever

### Skills

What did you find hard?

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What tools did you use to help you?

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