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| St Julie Catholic Primary School - DT | | |
| DT – Summer Term | Year: 1 | **Unit Title: Mechanisms: Sliders and Levers** |



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| Vocabulary | |
| **lever** | A mechanism- A bar which turns around a point |
| **pivot** | A point about which a lever turns |
| **slider** | A mechanism- a knob or lever that is moved up or down/ side to side to control something |
| **wheel** | A rotating mechanism |
| **mechanism** | Parts acting together to make an action happen |
| **rotate** | To move in a circle round a centre |

**Can I design a pop-up story book to read to Reception Class during story time?**

**What should I already know?**

* basic cutting and sticking skills.
* Basic folds and joins to add strength and durability

**Prior vocabulary:**

* cut, stick, explore, design, evaluate, books, pictures, make





**Skills recap:**

Folding to strengthen, choosing appropriate materials by their properties. Applying adhesive and cutting skills (fine motor). Importance of the design process- refer to plan and design throughout.

**DT Skills:**

- design purposeful, functional, appealing products for themselves and other users based on design criteria

- generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.

- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing

- select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

- explore and evaluate a range of existing products

- evaluate their ideas and products against design criteria

**Curriculum links:**

**Art:** Colour/ photography

**English:** Traditional tales

**How do I create a moving picture for a pop-up book?**

-I can create a sliding mechanism.

- I can use levers to create a moving mechanism.

- I can investigate and create wheel mechanisms.

- I can design a picture with a moving mechanism.

- I can make a moving picture based on a design.

- I can evaluate a moving picture.

**Colette Fu**



-Colette Fu is an American Chinese book artist, paper engineer and photographer.

-She uses her photography in her work.

-She creates colourful, detailed, 3D greetings cards too and created the worlds largest pop-up book in 2017.





