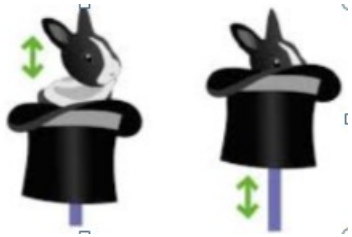
# Newport Infant School— Design Technology

**Topic: Moving Picture (Calendar)** | **Key Stage 1 Year 2** | **Strand: Mechanisms (sliders with a pivot)**

## What should I already know?

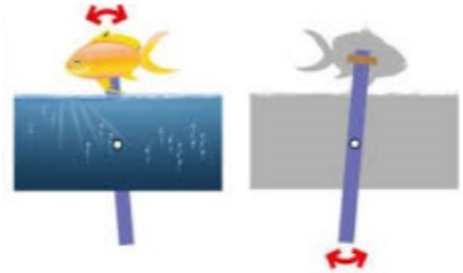
- How to make a simple sliding mechanism (up / down or across)



## What I will know by the end of the unit

| | |
|---|---|
| Design | • How to set design criteria that makes the product move with a pivot point<br>• How to design a purposeful, functional and appealing calendar based on design criteria. |
| Make / Investi-gate | • How to cut a slot in the cardboard for my slider<br>• How to pivot a slider with a split pin<br>• How to make a calendar that has a sliding mechanism that works. |
| Evaluate | • How to recognise a sliding mechanism<br>• Say if the product has a working sliding mechanism and if it meets the design criteria<br>• Say what worked well and what did not. |
| Technical Knowledge | • A slider or lever allows / creates movement<br>• A lever is used in products such as scissors, moving books, balance scales, a see-saw<br>• A pivot is a point which allows something to turn or something to rotate |







## Vocabulary

| | |
|---|---|
| design | A plan or drawing to show how the product will look and the parts making up the product |
| design criteria | A set of goals that the design must meet to be a success. |
| evaluate | Explore and think about the good / poor points of a product and use this to plan future ideas / plans |
| lever | A bar that is used to move an object |
| mechanism | A collection of moving parts performing movement |
| pivot | A point on which something rests or turns. |
| product | Something that has been made. |
| slider | A bar that is used to move an object |
| | |