



Vocabulary:

Sliders A rigid bar which moves backwards and forwards in a straight line.

Lever A rigid bar which moves around a pivot.

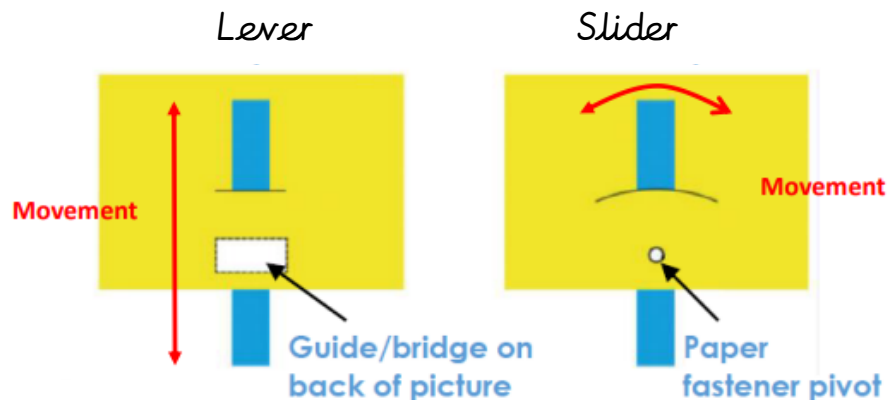
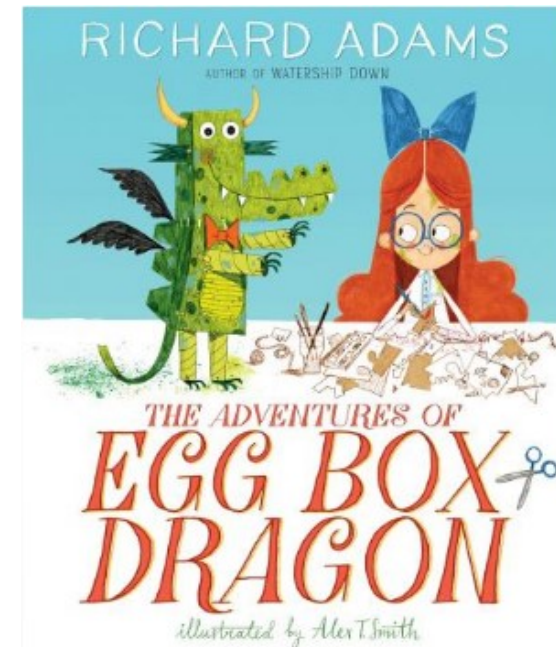
Pivot A fixed part that holds a lever in place as it turns.

Rigid Something that is strong and that will not bend.

Mechanism. A device used to create movement in a product.

What I will learn about:

- The Type of movement generated using a slider and lever
- How a slider and lever allow movement
- How to cut and assemble simple mechanisms using card and scissors.
- How to design a product based on a story that includes levers and sliders to make it move.



Progression of skills

- *To explore and evaluate a range of existing products.*
- *Design purposeful, functional, appealing products for themselves and other users based on a design criteria.*
- *Build structures, exploring how they can be made stronger, stiffer and more stable.*
- *Explore and use mechanisms [for example levers, sliders, wheels and axels], in their products.*
- *Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing].*
- *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 wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.*
- *Evaluate their ideas and products against a design criteria.*