



I have been exploring **Mechanical Systems** and I have learnt...

### Stages of my mechanical systems unit

#### I Don't Make Excuses

**Investigate-** We looked at different moving books that are already out there and considered how they work.

- We explored different types of linkages and levers such as linear and rotary movements.
- We practised making prototypes of linkages, levers, fixed and loose pivots.

**Design-** Using sketches and labels, we designed different pages of a moving book and then chose the best design to base our final product on.

**Make-** In pairs, we shared our ideas about what materials and tools we would need, and what techniques we would use to make the product.

-In our pairs, we each made a page of a book that included mechanical systems.

**Evaluate-** We discussed whether our moving book met our design brief and why. We thought about what worked well and what we would do differently next time.

### Key Vocabulary

**Linkages-** the card strips joining one or more levers to produce the type of movement required.

**Pivot-** the point or pin which a mechanism turns.

**Rotary-** a movement that goes round and round such as a wheel or a gear.

**Linear-** a movement along a straight line.

