



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.

