



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



### Stages of my mechanical systems unit

#### I Don't Make Excuses

**Investigate-** We investigated different Victorian toys. We considered how the toy would work without using electricity.

- We practised making simple pulleys, gears and CAMs.

**Design-** We sketched two designs of moving toys. From this, we chose what design would be best.

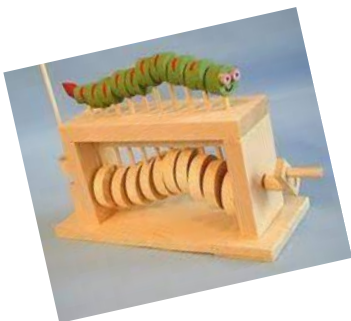
- We created a final design for our product along with a detailed plan that included a list of tools and materials we needed.

**Make-** We worked in teams and made choices about what role each person would have in making the final product.

-We followed our plan step-by-step to make our final product.

**Evaluate-** We considered our design brief and decided whether our final product met this.

- We listened to the views of others when considering whether our product has worked.



### Key Vocabulary

**CAM-** a mechanism that changes one sort of movement to another.

**Follower-** the device that follows the movement of the cam: a lever or a slider.

**Oscillating Motion-** a movement to and fro around a pivot point, as in a lever

**Reciprocating Motion-** backwards and forwards movement in a straight line, as in a slider.