



I have been exploring **Mechanisms** and I have learnt...

Stages of my mechanisms unit

I Don't Make Excuses

Investigate- We looked at pictures and videos of the fire carts used during the Great Fire of London and thought about how they worked.

- We used construction kits to practise assembling wheels and axles, and we thought about different ways to make axle holders.

Design- Using sketches and labels, we designed a model of a fire cart. From this, we chose the best design, which we based our final product on.

Make- As a team, we shared our ideas about what materials and tools we would need, and how we would realistically make the product.

-We made a model of a fire cart that included moving wheels and axles.

Evaluate- We thought about our final product and our original design brief.

-We discussed what went well when we were making our product, and what we would improve if we were making another model fire cart.

Key Vocabulary

Axle - a rod on which one or more wheels can rotate, either freely or be fixed to and turn with the axle.

Wheel – a circular object that turns on an axle

Chassis- the frame or base on which a vehicle is built.

Mechanism- a set of moving parts that work together in a machine.

