



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.