

Dear Parents,

This half term our topic is all about forces. Building on their prior learning in KS1 of pushes, pulls and friction they explore lots of different forces and how they act on objects. They will pose questions, conduct experiments and conclude findings. They will see forces in action at the Glass Centre, creating a stimulus for Glass art and will use forces as a vehicle to design their own fairground rides in DT.

Mrs Chapman and Mrs Evans

Our recommended read:

This half term 'Danger Gang' will be available at the library or in school for you to borrow and share at home.



How does **up thrust** help a boat stay afloat?

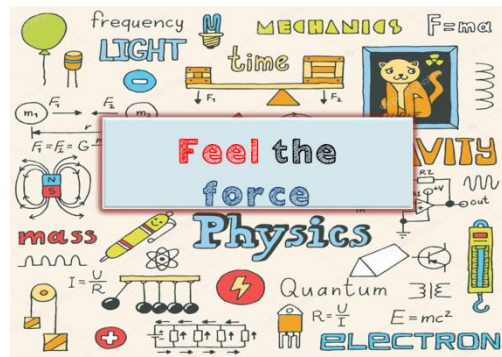
What **forces** are in action when glass blowing?



Why does **air resistance** effect a feather falling?

How did the apple falling teach Isaac Newton **gravity**?

What metal is **attracted** to a **magnet**?



Autumn 2

Things to remember:

Monday - Chestnut forest school
Wednesday - KS2 swimming
Thursday - Reading books changed AND NEW PE DAY
Friday - Willow forest school

8th Nov: SUNDERLAND GLASS CENTRE EDUCATIONAL VISIT



Experiments

In science asking questions is a great way to find out information. Throughout the term and at the Glass Centre we will explore lots about forces and changes of state



Glass blowing

This is a clever process of making glassware by blowing air into semi-molten glass through a long tube.



Stained Glass

This is when coloured glass is used to form decorative designs. At the glass centre this can be done by fusing glass together in a kiln.

Useful words

Air resistance- a force acting against an object as it passes through air

attract when metal is pulled in by a magnet's field

force – an influence that can change the direction of an object

gravity- the force that attracts objects to Earth

magnet- a material that produces an invisible magnetic field

repel - when metal is pushed away by a magnet's field

up thrust- an upward force that liquid or gas makes on a floating object.