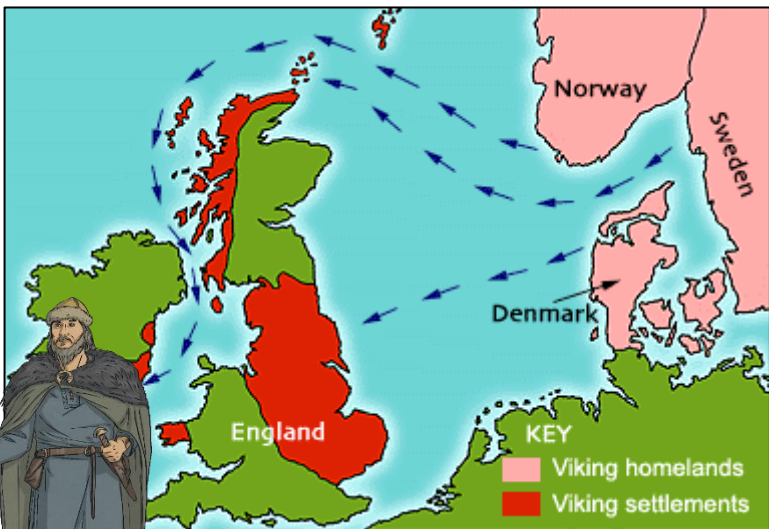


Callous killers or sensible settlers?

Year 5 Autumn 2 Knowledge Organiser



Tradesman travelled between Viking settlements selling a variety of goods, such as silk, precious metals and furs.

An important job in a Viking settlement was the blacksmith. The blacksmith made tools and swords from iron.

Types of Forces

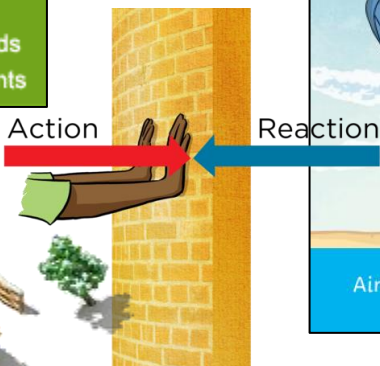
Gravity

Gravity is the force that pulls objects downwards towards the centre of the Earth.



Air Resistance

Air resistance pushes against moving objects.



Flags of Scandinavia



Norway



Sweden



Denmark

Key Vocabulary

friction	A force that acts between two surfaces or objects that are moving, or trying to move, across each other.
air resistance	A type of friction caused by air pushing against any moving object.
water resistance	A type of friction caused by water pushing against any moving object.
buoyancy	An object is buoyant if it floats. This is because the weight of the object is equal to the upthrust .
streamlined	When an object is shaped to minimise the effects of air or water resistance .
mechanism	Mechanisms are simple machines with moving parts that change input forces and movement into a set of useful output forces. Examples of mechanisms are pulleys, gears and levers.
upthrust	A force that pushes objects up, usually in water.

Key Knowledge

Examples of **forces** in action:



Water resistance and **air resistance** are forms of **friction**. **Friction** is sometimes helpful and sometimes unhelpful. For example, **air resistance** is helpful as it stops the skydiver hitting the ground at high speed. **Friction** on a bike chain can make the bike harder to pedal so it is unhelpful.