

### What have we learned previously?

Different groups of people have invaded Britain at different times:

- The Romans conquered England in 43AD.
- The Anglo-Saxons began settling in Britain when the Romans started leaving around 410AD.
- Vikings began attacking and then invading Britain from 793AD.

### Why is Dover so heavily fortified?

Dover is the closest part of Britain to France. As a result, it is the most vulnerable place to attack from Europe. Britain has been at war with France for most of its history so strong defences were needed in case of an attack. Dover Castle has helped defend Britain for nearly a thousand years. The Western Heights are a huge complex of forts created to defend against a French attack.



### What makes Dover Castle strong?

Wall with battlements

Keep

Towers

Gatehouse

Ramparts

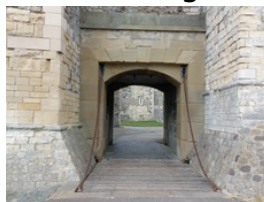


Arrow holes

Moat



Drawbridge



### What significant events have happened at Dover Castle?

**1066:** William the Conqueror begins construction of a stone castle

**1216:** Prince Louis of France lays a siege at Dover Castle which is unsuccessful

**1939 - 1945:** Dover Castle is used as an operations base during World War 2

### How have castles changed over time?

The design of castles has changed over time. This has often been as a result of new and improved weapons that made previous castle defences obsolete.



Dover Castle



Deal Castle



Drop Redoubt - Dover

How did attackers try to breach a castle's defences?



Trebuchet



Catapult



Battering ram

Remember, a **primary source** of evidence is a first hand account of an event or an artifact from the time being studied. A **secondary source** is evidence about an event that has been written or made by somebody who wasn't there.

## Science Pulleys, levers and gears

What have we learned previously?

- Some metals such as iron are magnetic. They can attract and repel other magnetic materials.
- Magnets have two poles: north and south. Opposite poles attract each other, but two of the same poles repel each other.

How do pulleys, levers and gears affect the effort needed to lift or move objects?

Pulleys



Pulleys help to reduce effort by changing the direction of the force. Rather than pulling something up, you can pull it down.

Levers



A lever uses a **fulcrum** (like the wheel in the wheelbarrow). Changing the position of the fulcrum affects the effort needed to lift something.

Gears



Gears come in different sizes. Small gears are useful for cycling uphill whereas bigger gears are better for cycling on longer, flatter journeys.

Pulleys, levers and gears help **reduce** the effort needed to lift or move objects.