



Needlework, Embroidery and Weaving



KEY VOCABULARY

Needlework

The art of **sewing or embroidery**

Sew

Making **stitches** with a needle

Embroidery

The art of **making patterns or pictures** by sewing stitches directly onto cloth with a needle

Stitch

A **loop of thread** made by a needle when sewing

Cross-stitch

A stitch made of two stitches **crossing over each other**

Thread

A **long thin strand** used in sewing or weaving

Needle

A **thin piece of metal** with a point at one end and a hole at the other end used for sewing

Tapestry

A thick **piece of fabric**, with patterns and sometimes, pictures on it. Tapestries are made by weaving

Weaving

A way of **making fabric** by crossing over threads

Loom

A **frame** used for weaving

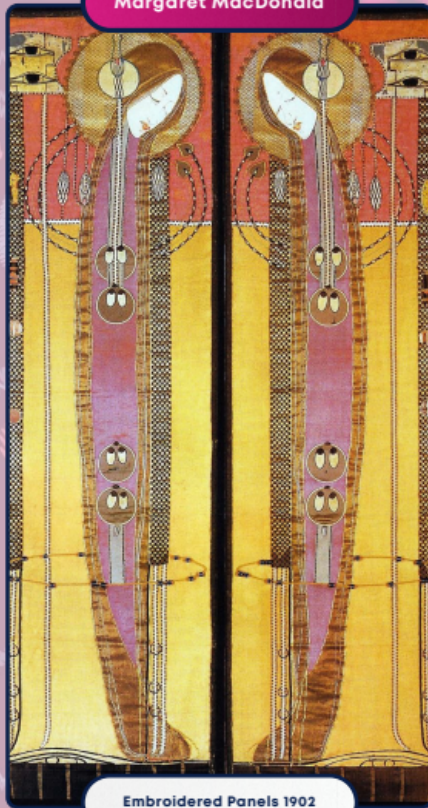
Warp Thread

Lengths of thread on a loom

Weft Thread

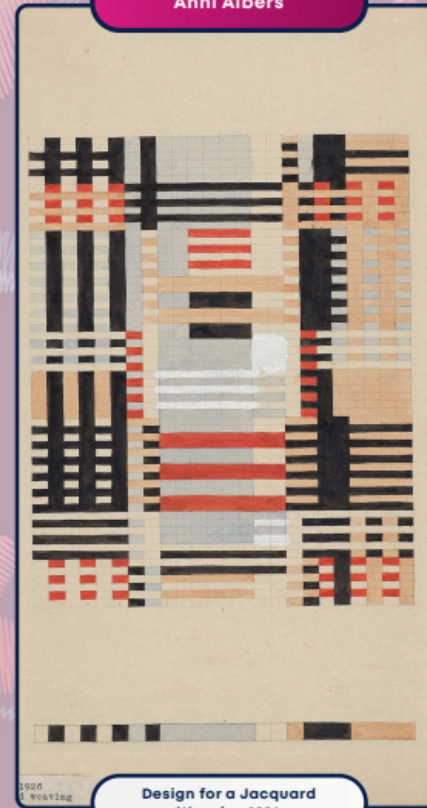
Lengths of thread which are **looped under and over** the warp thread on a loom

Margaret MacDonald



Embroidered Panels 1902

Anni Albers



Design for a Jacquard Weaving 1926



Hagia Sophia

completed: 537 CE



Justinian I
and Theodora

mosaics in Ravenna,
Italy

completed: 548 CE



KEY VOCABULARY

monument

a building or place that is **important in history**

ancient Rome

the **ancient civilisation** connected with Rome

empire

a large area of land including lots of **countries ruled over** by an emperor

emperor

the **ruler** of an empire

Byzantine Empire

the continuation of the Roman Empire, centred around the city of Constantinople (also known as the **Eastern Roman Empire**)

Constantinople

the **capital city of the Byzantine Empire**: previously called Byzantium and now present-day Istanbul (named after Emperor Constantine the Great)

mosaic

a picture or a **pattern made by putting small pieces of stone, glass or other materials** together

dome

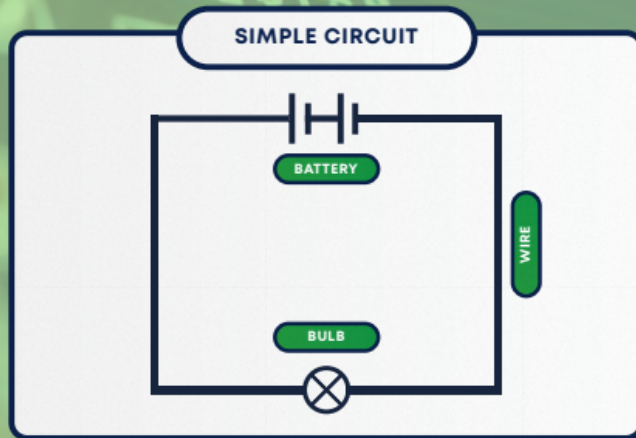
a **rounded roof** of a building with a circle-shaped base

ornate

elaborately decorated

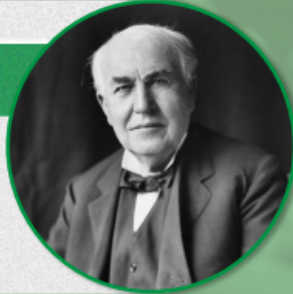
icon

a painting of **Jesus, or another holy figure**, usually painted on wood and used by Christians for prayer and reflection



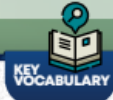
Thomas Edison

invented the first
lightbulb suitable to use
in homes



Lewis Latimer

invented a lightbulb
that could stay alight
for a long time



electricity

circuit

electrical current

battery

light bulb

filament

switch

wire

conductor

insulator

electricity is a **form of energy** that helps to make things work

a **path** which electricity flows around

the **flow of electricity** around a circuit

a **store** of electrical energy

an electrical component that **converts electrical energy to light** energy

the **part of a light bulb that lights up** when electricity passes through it

an electrical component that can **open or close an electrical circuit**

a **thin piece of metal** (usually covered in plastic) that allows electricity to flow through it

an electrical conductor **allows electricity to flow** through it

an electrical insulator **does not allow electricity to travel** through it

BATTERY



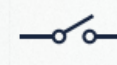
BULB



WIRE



SWITCH



ELECTRICAL SYMBOLS



WATER CYCLE



KEY VOCABULARY

cycle

a series of **events that repeats** in the same order

solid

a state of matter that **keeps its shape** unless a force is applied, e.g., ice

liquid

a state of matter that **takes the shape of the container** that holds it and can be poured, e.g., water

gas

a state of matter that **has no fixed shape** and expand to fill the container they are in, e.g., water vapour

water vapour

when **water turns into gas**

evaporation

a process where water changes state from a **liquid to a gas**

condensation

a process where water vapour changes state from a **gas to a liquid**

precipitation

the process of **water moving from clouds back to the surface of the Earth** (condensation, and the force of gravity result in precipitation), precipitation can be rain, hail, sleet, snow, hail

STATE OF WATER



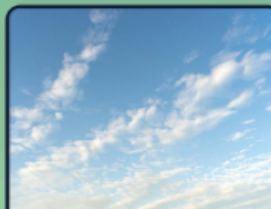
ICE



WATER VAPOUR



WATER



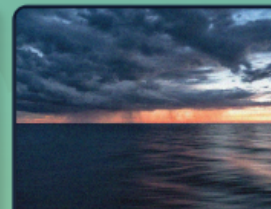
cirrus clouds are white, thin, wispy, and high up in the sky, and they are made of tiny ice crystals



cumulus clouds are white and fluffy, they contain water droplets but are usually a sign of fair weather



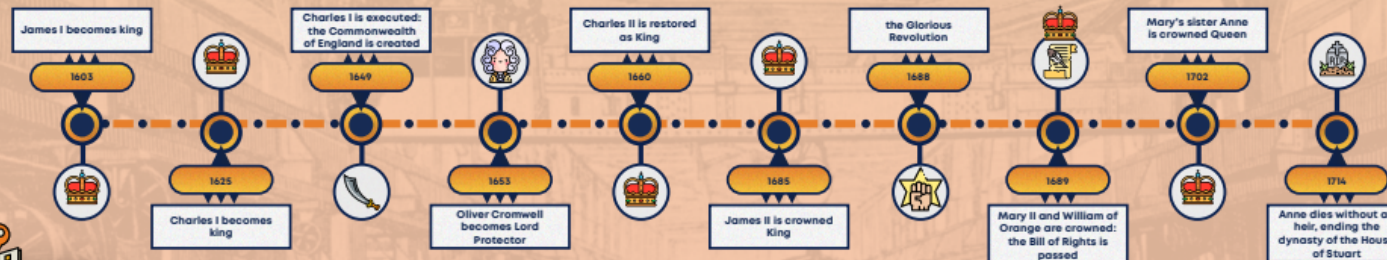
stratus clouds are a thin layer of cloud that covers the whole sky



nimbostratus clouds are dark and bring rain; the water droplets are closer together, letting through only a little light, so the clouds appear darker ("nimbus" is the Latin word for rain cloud)



The Stuarts



KEY VOCABULARY

divine right of kings

the belief that **kings are chosen by God** and therefore should have all the power

plot

a **secret plan** made by a group of people to do something illegal/harmful

the Gunpowder Plot

a plot, led by Robert Catesby, to **blow up the Houses of Parliament** on the 5th November 1605

Union of the Crowns

when King James VI of Scotland became King James I of England, this **united the two kingdoms** under one crown

civil war

a war between people from the **same country**

treason

a crime where a person **betrays their country** (this includes trying to kill their king)

commonwealth

an old word for a **government created for the good of the people**

Royalist

also known as Cavaliers: fought **on the side of King Charles I** during the English Civil War

Parliamentarian

also known as the Roundheads: fought **on the side of Parliament** during the English Civil War

the Restoration

The Restoration of 1660 marked the **return of Charles II to the throne** after the Commonwealth (when England didn't have a king)

bubonic plague

a **disease** which causes painful, swollen lumps, black hands and feet and flu-like symptoms

Catholic

a **form of Christianity**: in Catholicism, the Bible is in Latin, the **Pope is head of the church**, and churches are beautifully decorated with lots of gold and paintings

Protestant

a **form of Christianity**: Protestants have simpler churches without decorations, and the **pope is not in charge**



KEY PEOPLE

James I

King of England, Scotland and Ireland, from 1603-1625

Robert Catesby

leader of the Gunpowder Plot

Guy Fawkes

caught planning to blow up the Houses of Parliament and executed

Charles I

son of James I: King from 1625-1649

Oliver Cromwell

Lord Protector from 1653-1658

Charles II

son of Charles I: King from 1660-1685

Christopher Wren

architect who rebuilt London after the Great Fire of London

Samuel Pepys

wrote a famous diary

James II

brother of Charles II: King from 1685-1688

Mary II

daughter of James II: Queen from 1689-1694

William of Orange

husband of Mary II: King from 1689-1702

Anne I

sister of Mary: Queen from 1702-1714



Japan



Japan



population
126.2 million



main language(s)
Japanese (日本語)



capital city
Tokyo



currency
Yen



Mount Fuji



Land of the Rising Sun

Tokyo

the name sometimes given to Japan because of the sun rising in the east and it being the most Eastern area in Asia

Kyoto

the **capital city** of Japan

climate

a large city in Honshu, Japan: it **was the capital city** of Japan

weather

the **average weather in a place** over many years

tsunami

the **condition of the atmosphere** at a particular time, e.g rain, snow, sunny

monsoon

unusually **large sea waves** caused by either earthquakes, seaquakes or underwater volcanic eruption

samurai

wind systems that bring **heavy rains** in summer and winter

kimono

Japanese army **warriors**

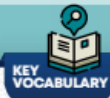
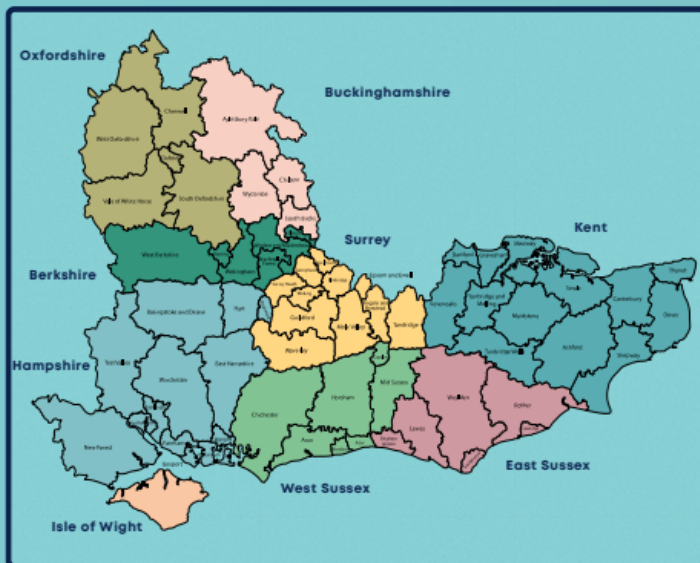
origami

a long, loose **traditional Japanese robe** with wide sleeves and tied with a sash

a Japanese **art of folding paper** to make decorative shapes and figures



London and the South East



London

the **capital city** of England

coastline

the area where **land meets sea** along the coast

cliffs

a very **steep rock face**, often found where the land meets the sea

skyline

an **outline of land and buildings** defined against the sky

transportation

the **action of moving** someone or something

pier

a construction that creates a **platform that projects out from the shore into the sea**; often piers have facilities for visitors such as amusement arcades and cafes

tourist

a **person who travels to a place** for pleasure

Dover

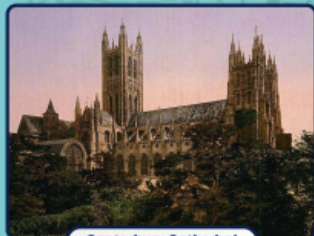
a **ferry port in Kent**, on the coast of the English Channel



Houses of Parliament in London



White Cliffs of Dover



Canterbury Cathedral



Palace Pier in Brighton

