Hello! Welcome to Europe! We come from different countries and speak different languages, but this continent is the home we share.

Come with us and let’s explore Europe together! It will be an adventurous journey through time and space and you’ll find out loads of interesting things.

As we go along, test yourself to see how much you’ve learnt. Go to our website europa.eu/europago/explore and try the quiz about each chapter.

At school, explore further! Ask your teacher to tell you more about each of the topics in this book. Then do some deeper research in the school library or on the internet. You could even write your own booklet about what you have discovered.

Finally, you can have fun playing games and doing activities on the ‘Europa Go’ website europa.eu/europago/welcome.jsp

Ready? Then let’s begin!
Europe is one of the world's seven continents. The others are Africa, North and South America, Antarctica, Asia and Australia/Oceania.

Europe stretches all the way from the Arctic in the north to the Mediterranean Sea in the south, and from the Atlantic Ocean in the west to the Ural mountains (in Russia) in the east. It has many rivers, lakes and mountain ranges. The map (page 4) tells you the names of some of the biggest ones.

The highest mountain in Europe is Mount Elbrus, in the Caucasus mountains, on the border between Russia and Georgia. Its highest peak is 5 642 metres above sea level.

The highest mountain in western Europe is Mont Blanc, in the Alps, on the border between France and Italy. Its summit is over 4 800 metres above sea level.

Also in the Alps is Lake Geneva — the largest freshwater lake in western Europe. It lies between France and Switzerland, goes as deep as 310 metres and holds about 89 trillion litres of water.

The largest lake in central Europe is Balaton, in Hungary. It is 77 kilometres (km) long and covers an area of about 600 square kilometres (km²).

Northern Europe has even bigger lakes, including Saimaa in Finland (1 147 km²) and Vänern in Sweden (more than 5 500 km²). The largest lake in Europe as a whole is Lake Ladoga. It is located in northwestern Russia and it is the 14th largest lake in the world. Its surface covers an area of 17 700 km².

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One of Europe’s longest rivers is the Danube. It rises in the Black Forest region of Germany and flows eastwards through Austria, Slovakia, Hungary, Croatia, Serbia, Bulgaria, Moldova and Ukraine to Romania, where it forms a delta on the Black Sea coast. In all, it covers a distance of about 2,850 km.

Other big rivers include the Rhine (about 1,320 km long), the Elbe (about 1,170 km) and the Loire (more than 1,000 km). Can you find them on the map?

Big rivers are very useful for transporting things. All kinds of goods are loaded onto barges that carry them up and down the rivers, between Europe’s sea ports and cities far inland.
The highest bridge in the world (245 metres tall) is the Millau Viaduct in France, which was opened in December 2004.

Two of the longest bridges in Europe are the Oresund road and rail bridge (16 km long) between Denmark and Sweden and the Vasco da Gama road bridge (more than 17 km long) across the river Tagus in Portugal. The Vasco da Gama bridge is named after a famous explorer, and you can read about him in the chapter ‘A journey through time’.

People also travel around Europe by plane, because air travel is quick. Some of the world’s best planes are built in Europe – for example, the Airbus. Different European countries make different parts of an Airbus, and then a team of engineers puts the whole plane together. The biggest passenger plane in the world is the Airbus A380, designed to carry up to 840 passengers. It first flew in April 2005.

The fastest ever passenger plane, the Concorde, was designed by a team of French and British engineers. Concorde could fly at 2 160 km/h – twice the speed of sound – and could cross the Atlantic in less than three hours! (Most planes take about eight hours).

Faster than any plane are space rockets, such as Ariane – a joint project between several European countries. People don’t travel in the Ariane rocket: it is used to launch satellites, which are needed for TV and mobile phone networks, for scientific research and so on. Most of the world’s satellites are now launched using these European rockets.

The success of Concorde, Airbus and Ariane shows what can be achieved when European countries work together.

Did you know that railways were invented in Europe? It was in England that George Stephenson introduced the first passenger train in 1825. His most famous locomotive was called ‘the Rocket’ and it reached speeds of more than 40 kilometres per hour (km/h) – which was really fast for those days.

Today, Europe’s high-speed electric trains are very different from those first steam engines. They are very comfortable and they travel at speeds of up to 330 km/h on specially built tracks. More tracks are being built all the time, to allow people to travel quickly between Europe’s big cities.

Roads and railways sometimes have to cross mountain ranges, wide rivers or even the sea. So engineers have built some very long bridges and tunnels. The longest road tunnel in Europe is the Laerdal tunnel in Norway, between Bergen and Oslo. It is more than 24 kilometres (km) long and was opened in November 2000.

The longest railway tunnel in Europe is the Channel Tunnel. It carries Eurostar high-speed trains under the sea between Calais in France and Folkestone in England, and it’s more than 50 km long.
Many species of birds live on insects, small water creatures or other food that cannot easily be found during cold winter months. So they fly south in the autumn and don't return until spring. Some travel thousands of kilometres, across the Mediterranean Sea and the Sahara Desert, to spend the winter in Africa. This seasonal travelling is called migrating.

Enjoying the spring and summer

When spring comes to Europe (March to May), the weather gets warmer. Snow and ice melt. Baby fish and insect larvae swarm in the streams and ponds. Migrating birds return to make their nests and raise their families. Flowers open, and bees carry pollen from one plant to another.

Trees put out new leaves which catch the sunlight and use its energy to make the tree grow. In mountain regions, farmers move their cows up into the high meadows, where there is now plenty of fresh grass.

Coping with the winter

Wild animals in cold regions usually have thick fur or feathers to keep them warm, and their coats may be white to camouflage them in the snow. Some spend the winter sleeping to save energy. This is called hibernating.

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On high mountains and in the far north of Europe, farming is impossible because it is too cold for crops to grow. But evergreen trees such as pines and firs can survive cold winters. That is why Europe’s coldest places are covered with evergreen forests. People use the wood from these forests to make many things – from houses and furniture to paper and cardboard packaging.

Further south, most of the land is suitable for farming. It produces a wide variety of crops including wheat, maize, sugar beet, potatoes and all sorts of fruit and vegetables. Where there is plenty of sunshine and hardly any frost (near the Mediterranean, for example), farmers can grow fruit such as oranges and lemons, grapes and olives. Olives contain oil which can be squeezed out of the fruit and used in preparing food. Grapes are squeezed to get the juice, which can be turned into wine. Europe is famous for its very good wines, which are sold all over the world.

Cold-blooded animals such as reptiles also need the sun to give them energy. In summer, especially in southern Europe, you will often see lizards basking in the sunshine and hear the chirping of grasshoppers and cicadas.

Autumn: a time of change

In late summer and autumn, the days grow shorter and the nights cooler. Many delicious fruits ripen at this time of year, and farmers are kept busy harvesting them. Nuts too ripen in autumn, and squirrels will gather and store heaps of them ready for the winter.

Many trees shed their leaves in autumn because there is no longer enough sunshine for the leaves to be useful. They gradually change from green to shades of yellow, red, gold and brown. Then they fall, carpeting the ground with colour. The fallen leaves decay, enriching the soil and providing food for future generations of plant life.

This yearly cycle of the seasons, and the changes it brings, make the European countryside what it is – beautiful, and very varied.
Farms in Europe range from very big to very small. Some have large fields – which makes it easy to harvest crops using big machines. Others, for example in hilly areas, may have small fields. Walls or hedgerows between fields help stop the wind and rain from carrying away soil, and they can be good for wildlife too.

Many city people like to spend weekends and holidays in the European countryside, enjoying the scenery, the peace and quiet and the fresh air. We all need to do what we can to look after the countryside and keep it beautiful.

Grass grows easily where there is enough rain, even if the soil is shallow or not very fertile. Many European farmers keep animals that eat grass – such as cows, sheep or goats. They provide milk, meat and other useful products like wool and leather.

Mediterranean farmers also grow lots of other fruit and vegetables. Tomatoes, for example, ripen well in the southern sunshine. But vegetables need plenty of water, so farmers in hot, dry regions will often have to irrigate their crops. That means giving them water from rivers or from under the ground.

Many farmers also keep pigs or chickens. These animals can be raised almost anywhere because they can be kept indoors and given specially prepared feed. Chickens provide not only meat but eggs too, and some farms produce thousands of eggs every day.

Chickens provide eggs, which contain lots of protein and help us stay healthy.

Sheep grazing on grasslands in Spain.

Crop in dry regions need irrigating.

Pigs can be kept indoors.

Crops in dry regions need irrigating.

A patchwork of fields in Europe.

The countryside is for everyone to enjoy.
Many kinds of fish and other animals live in the sea around Europe’s coasts. They provide food for seabirds, and for marine mammals such as seals. Where rivers flow into the sea, flocks of waders come to feed, at low tide, on creatures that live in the mud.

People and the sea

The sea is important for people too. The Mediterranean was so important to the Romans that they called it *Mare nostrum*: ‘our sea’. Down through the centuries, Europeans have sailed the world’s oceans, discovered the other continents, explored them, traded with them and made their homes there. In the chapter ‘A journey through time’ you can find out more about these great voyages of discovery.

Cargo boats from around the world bring all kinds of goods (often packed in containers) to Europe’s busy ports. Here they are unloaded onto trains, lorries and barges. Then the ships load up with goods that have been produced here and which are going to be sold on other continents.

Europe has thousands and thousands of kilometres of coastline, which nature has shaped in various ways. There are tall rocky cliffs and beaches of sand or colourful pebbles formed by the sea as it pounds away at the rocks, century after century.

In Norway, glaciers have carved the coast into steep-sided valleys called fjords. In some other countries, the sea and wind pile up the sand into dunes. The highest dune in Europe (117 metres tall) is the Dune du Pyla, near Arcachon in France.

The puffin nests on cliffs, and dives to catch fish.

In some places, the sea has shaped chalk cliffs into steep-sided valleys called fjords.

The sea shaped these chalk cliffs.

A glacier carved this fjord.

The Pyla sand dune – Europe’s tallest.

The Dune du Pyla, near Arcachon in France.

One of Europe’s rarest animals – the monk seal – lives in the Mediterranean.

The Dune du Pyla, near Arcachon in France.

A container ship leaves Europe.
Some of the world’s finest ships have been built in Europe. They include Queen Mary 2 — one of the biggest passenger liners in the world. She made her first transatlantic voyage in January 2004.

Europe’s seaside resorts are great places for a holiday. You can enjoy all kinds of water sports, from surfing and boating to waterskiing and scuba diving. Or you can just relax – sunbathing on the beach and cooling off in the sea.

Fishing

Fishing has always been important for people in Europe. Whole towns have grown up around fishing harbours, and thousands of people earn their living by catching and selling fish or doing things for the fishermen and their families.

Modern fishing boats, such as factory trawlers, can catch huge numbers of fish. To make sure that enough are left in the sea, European countries have agreed rules about how many fish can be caught and about using nets that let young fish escape.

Another way to make sure we have enough fish is to farm them. On the coasts of northern Europe, salmon are reared in large cages in the sea. Shellfish such as mussels, oysters and clams can be farmed in the same way.

Protecting Europe’s coasts

Europe’s coasts and the sea are important to wildlife and to people. So we need to look after them. We have to prevent them becoming polluted by waste from factories and towns. Oil tankers sometimes have accidents, spilling huge amounts of oil into the sea. This can turn beaches black and kill thousands of seabirds.

European countries are working together to try to prevent these things from happening and to make sure that our coastline will remain beautiful for future generations to enjoy.
Ancient Greece — roughly 2000 to 200 BC

In Greece about 4 000 years ago, people began to build cities. At first they were ruled by kings. Later, around 500 BC, the city of Athens introduced ‘democracy’ — which means ‘government by the people’. (Instead of having a king, the men of Athens took decisions by voting.) Democracy is an important European invention that has spread around the world.

Some of the other things the ancient Greeks gave us include:

• wonderful stories about gods and heroes, wars and adventures;
• elegant temples, marble statues and beautiful pottery;
• the Olympic Games;
• well-designed theatres, and great writers whose plays are still performed today;
• teachers like Socrates and Plato, who taught people how to think logically;
• mathematicians like Euclid and Pythagoras, who worked out the patterns and rules in maths;
• scientists like Aristotle (who studied plants and animals) and Eratosthenes (who proved that the Earth is a sphere and worked out how big it is).

Over thousands of years, Europe has changed enormously. It’s a fascinating story! But it’s a long one, so here are just some of the highlights.

The Stone Age

The earliest Europeans were hunters and gatherers. On the walls of some caves they made wonderful paintings of hunting scenes. Eventually, they learnt farming and began breeding animals, growing crops and living in villages.

They made their weapons and tools from stone — by sharpening pieces of flint, for example.

Learning to use metal – the Bronze and Iron Ages

Several thousand years BC (before the birth of Christ), people discovered how to get different metals by heating different kinds of rock in a very hot fire. Bronze — a mixture of copper and tin — was hard enough for making tools and weapons. Gold and silver were soft but very beautiful and could be shaped into ornaments.

Later, an even harder metal was discovered: iron. The best kind of metal was steel, which was strong and didn’t easily break, so it made good swords. But making steel was very tricky, so good swords were rare and valuable!
The Roman Empire — roughly 500 BC to 500 AD

(AD means after the birth of Christ)

Rome started out as just a village in Italy. But the Romans were very well organised, their army was very good at fighting and they gradually conquered all the lands around the Mediterranean. Eventually the Roman empire stretched all the way from northern England to the Sahara Desert and from the Atlantic to Asia.

Here are some of the things the Romans gave us:

- good, straight roads connecting all parts of the empire;
- beautiful houses with courtyards and mosaic tiled floors;
- strong bridges and aqueducts (for carrying water long distances);
- round-topped arches — which made their buildings solid and long-lasting;
- new building materials, such as cement and concrete;
- new weapons such as catapults;
- great writers like Cicero and Virgil;
- the Roman system of law, which many European countries still use today.

The Middle Ages — roughly 500 to 1500 AD

When the Roman Empire collapsed, different parts of Europe were taken over by different peoples. For example...

The Celts. Before Roman times, Celtic peoples lived in many parts of Europe. Their descendants today live mainly in Brittany (France), Cornwall (England), Galicia (Spain), Ireland, Scotland and Wales. In these parts of Europe, Celtic languages and culture are very much alive.

The Germanic peoples. Not all of them settled in Germany:
- The Angles and Saxons moved to England and ruled it until 1066.
- The Franks conquered a large part of Europe, including France, between about 500 and 800 AD. Their most famous king was Charlemagne.
- The Goths (Visigoths and Ostrogoths) set up kingdoms in Spain and Italy.
- The Vikings lived in Scandinavia. In the 800s and 900s AD they sailed to other countries, stealing treasure, trading and settling where there was good farmland.

The Normans, or ‘Northmen’, were Vikings who settled in France (in the area we call Normandy) and then conquered England in 1066. A famous Norman tapestry shows scenes from this conquest. It is kept in a museum in the town of Bayeux.
The Renaissance – roughly 1300 to 1600 AD

During the Middle Ages, most people could not read or write and they knew only what they learnt in church. Only monasteries and universities had copies of the books the ancient Greeks and Romans had written. But in the 1300s and 1400s, students began rediscovering the ancient books. They were amazed at the great ideas and knowledge they found there and the news began to spread.

Wealthy and educated people, for example in Florence (Italy), became very interested. They could afford to buy books – especially once printing was invented in Europe (1445) – and they fell in love with ancient Greece and Rome. They had their homes modelled on Roman palaces, and they paid talented artists and sculptors to decorate them with scenes from Greek and Roman stories, and with statues of gods, heroes and emperors.

It was as if a lost world of beauty and wisdom had been reborn. That is why we call this period the ‘Renaissance’ (meaning ‘rebirth’). It gave the world:

- great painters and sculptors such as Michelangelo and Botticelli;
- talented architects like Brunelleschi;
- the amazing inventor and artist Leonardo da Vinci;
- great thinkers such as Thomas More, Erasmus and Montaigne;
- scientists such as Copernicus and Galileo (who discovered that the Earth and other planets move around the sun);
- beautiful buildings such as the castles in the Loire valley;
- a new interest in what human beings can achieve.

The Slavs settled in many parts of eastern Europe and became the ancestors of today’s Slavic-speaking peoples, including Belorussians, Bulgarians, Croatians, Czechs, Poles, Russians, Serbs, Slovaks, Slovenes and Ukrainians.

After the Magyars settled in the Carpathian Basin in the 9th and 10th centuries, they founded the Kingdom of Hungary in the year 1000. Their descendants today live in Hungary and other neighbouring countries.

During the Middle Ages, kings and nobles in Europe often quarrelled and there were many wars. (This was the time when knights in armour fought on horseback). To defend themselves from attack, kings and nobles often lived in strong castles, with thick stone walls. Some castles were so strong they have lasted until today.

Christianity became the main religion in Europe during the Middle Ages, and churches were built almost everywhere. Some of them are very impressive – especially the great cathedrals, with their tall towers and colourful stained-glass windows.

Monks were involved in farming and helped develop agriculture all over Europe. They also set up schools and wrote books. Their monasteries often had libraries where important books from ancient times were preserved.

In southern Spain, where Islam was the main religion, the rulers built beautiful mosques and minarets. The most famous ones left today are the mosque in Cordoba and the Giralda minaret in Seville.

‘Gothic’ architecture (such as in Chartres cathedral, France) was a great invention of the Middle Ages.

Medieval castles were built to keep out enemies.

Part of the huge medieval mosque in Cordoba (Spain).
Great discoveries and new ideas — roughly 1500 to 1900 AD

At the time of the Renaissance, trade with distant lands was becoming very important for European merchants. For example, they were selling goods in India and bringing back valuable spices and precious stones. But travelling overland was difficult and took a long time, so the merchants wanted to reach India by sea. The problem was, Africa was in the way – and it is very big!

However, if the world really was round (as people were beginning to believe), European ships ought to be able to reach India by sailing west. So, in 1492, Christopher Columbus and his sailors set out from Spain and crossed the Atlantic. But instead of reaching India they discovered the Bahamas (islands in the Caribbean Sea, near the coast of America).

Other explorers soon followed. In 1497–98, Vasco da Gama — a Portuguese naval officer — was the first European to reach India by sailing around Africa. In 1519, another Portuguese explorer — Ferdinand Magellan, working for the King of Spain — led the first European expedition to sail right round the world!

Before long, Europeans were exploring the Caribbean islands and America (which they called the ‘new world’) and founding colonies there. In other words, they took over the land, claiming it now belonged to their home country in Europe. They took their beliefs, customs and languages with them — and that is how English and French came to be the main languages spoken in North America, and Spanish and Portuguese in Central and South America.

As time passed, Europeans sailed further and further — to China, Japan, South-East Asia, Australia and Oceania. Sailors returning from these distant lands reported seeing strange creatures very different from those in Europe. This made scientists keen to explore these places and to bring back animals and plants for Europe’s museums. In the 1800s, European explorers went deep into Africa and by 1910 European nations had colonised most of the African continent.

Meanwhile, back in Europe, scientists were finding out more and more about how the universe works. Geologists, studying rocks and fossils, began wondering how the Earth had been formed and how old it really was. Two great scientists, Jean-Baptiste Lamarck (in France) and Charles Darwin (in England), eventually concluded that animals and plants had ‘evolved’ — changing from one species into another over millions and millions of years.

In the 1700s, people were asking other important questions too — such as how countries should be governed, and what rights and freedoms people should have. The writer Jean-Jacques Rousseau said that everyone should be equal. Another writer, Voltaire, said the world would be better if reason and knowledge replaced ignorance and superstition.

This age of new ideas, called the ‘Enlightenment’, led to great changes in some countries — for example the French revolution of 1789, when the people decided they would no longer be ruled by kings and queens. One of their revolutionary slogans was ‘freedom, equality and brotherhood’ – which eventually became the French national motto.

The Industrial Revolution — roughly 1750 to 1880 AD

A different kind of ‘revolution’ started in Europe about 250 years ago – in the world of ‘industry’. It all began with an energy crisis. For thousands of years, people had been burning wood and charcoal. But now, parts of Europe were running out of forests! What else could we use as fuel?

The answer was coal. There was plenty of it in Europe, and miners began digging for it. Coal powered the newly-invented steam engines. It could also be roasted and turned into ‘coke’, which is a much cleaner fuel – ideal for making iron and steel.

About 150 years ago, an Englishman called Henry Bessemer invented a ‘blast furnace’ that could produce large amounts of steel quite cheaply. Soon Europe was producing huge quantities of it, and it changed the world! Cheap steel made it possible to build skyscrapers, huge bridges, ocean liners, cars, fridges … Powerful guns and bombs too.
The modern world – roughly 1880 until today

Other European inventions from the 19th and 20th centuries helped create the world we know today. For example:
- The petrol engine 1886
- Radar and the biro pen 1935
- First radio messages 1901
- Instant coffee 1937
- Bakelite, the first plastic 1909
- First jet aircraft 1939
- Neon lighting 1912
- First computer 1940s
- Television and motorways 1920s

Today, roughly a quarter of the people working in Europe are producing things needed for the modern world: food and drinks; mobile phones and computers; clothes and furniture; washing machines and televisions; cars, buses and lorries and lots more besides.

About 7 out of every 10 European workers have ‘service’ jobs. In other words, they work in shops and post offices, banks and insurance companies, hotels and restaurants, hospitals and schools, etc. – either selling things or providing services that people need.

Learning the lessons of history

Sadly, the story of Europe is not all about great achievements we can be proud of. There are also many things to be ashamed of. Down the centuries, European nations fought terrible wars against each other. These wars were usually about power and property, or religion.

European colonists killed millions of native people on other continents – by fighting or mistreating them, or by accidentally spreading European diseases among them. Europeans also took millions of Africans to work as slaves.

Lessons had to be learnt from these dreadful wrongdoings. The European slave trade was abolished in the 1800s. Colonies gained their freedom in the 1900s. And peace did come to Europe at last. To find out how, read the chapter called ‘Bringing the family together: the story of the European Union’.

Many of the world’s great artists, composers, entertainers, inventors, scientists and sports people have come from Europe. We mentioned some of them in earlier chapters. We can’t possibly include them all in this book, so here are just 40 more names, in alphabetical order and from various European countries. One of them is there for a different kind of ‘fame’. Can you spot him?

We have left a blank space on page 29 for your own personal choice. It could be someone famous from your own country, or your favourite European sports team or pop group. Why not find a picture of them and stick it into the blank space, along with a few facts about them?

<table>
<thead>
<tr>
<th>Name</th>
<th>Country or region</th>
<th>What they did</th>
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<tbody>
<tr>
<td>ABBA</td>
<td>Sweden</td>
<td>Pop group: their songs were big hits around the world in the 1970s.</td>
</tr>
<tr>
<td>Štefan Baníč</td>
<td>Slovakia</td>
<td>Inventor: he invented the parachute in 1913.</td>
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<td>The Beatles</td>
<td>United Kingdom</td>
<td>Pop group: their songs were big hits around the world in the 1960s.</td>
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<tr>
<td>Henri Becquerel</td>
<td>France</td>
<td>Scientist: he discovered radioactivity in 1896.</td>
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<tr>
<td>Ludwig van Beethoven</td>
<td>Germany</td>
<td>Composer: wrote a lot of great music. The Ode to Joy (the European anthem) comes from his ninth symphony, written in 1823.</td>
</tr>
<tr>
<td>Tim Berners-Lee</td>
<td>United Kingdom</td>
<td>Inventor: he invented the world wide web, on which the Internet is based, in 1989.</td>
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<tr>
<td>Niels Bohr</td>
<td>Denmark</td>
<td>Scientist: won the Nobel Prize for Physics in 1922, for his discoveries about the structure of atoms.</td>
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<tr>
<td>Robert Boyle</td>
<td>Ireland</td>
<td>Scientist: famous for his experiments on gases and the discovery of ‘Boyle’s Law’ in 1662.</td>
</tr>
<tr>
<td>Charlie Chaplin</td>
<td>United Kingdom</td>
<td>Film director and one of the world’s funniest actors. His great films include Modern times (1936).</td>
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<tr>
<td>Fryderyk Chopin</td>
<td>Poland</td>
<td>Composer and pianist (1810–49): he wrote many piano pieces including his famous Nocturnes.</td>
</tr>
<tr>
<td>Nadia Comaneci</td>
<td>Romania</td>
<td>Athlete: the first person ever to score full marks (10 out of 10) for gymnastics in the Olympic Games, in 1976.</td>
</tr>
<tr>
<td>Marie Curie (Maria Skłodowska)</td>
<td>Poland</td>
<td>Scientist with her husband Pierre she discovered radium — a radioactive metal. They were awarded the Nobel Prize for Physics in 1903.</td>
</tr>
<tr>
<td>Salvador Dalí</td>
<td>Spain</td>
<td>Artist (1904–89): famous for his strange, dreamlike paintings in the ‘surrealist’ style.</td>
</tr>
<tr>
<td>Name</td>
<td>Country or region</td>
<td>What they did</td>
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<tr>
<td>Marlene Dietrich</td>
<td>Germany</td>
<td>Actress: she starred in many films, including the original version of <em>Around the world in 80 days</em> (1956).</td>
</tr>
<tr>
<td>Antonín Dvořák</td>
<td>Bohemia (now part of the Czech Republic)</td>
<td>Composer: his great pieces include the New World Symphony (1893).</td>
</tr>
<tr>
<td>Albert Einstein</td>
<td>Germany</td>
<td>Scientist: in 1905 he discovered 'relativity' — in other words, how matter, energy and time are all related to one another.</td>
</tr>
<tr>
<td>Federico Fellini</td>
<td>Italy</td>
<td>Film director: he directed his great films, including <em>La Strada</em> (1954), won him five Oscar awards.</td>
</tr>
<tr>
<td>Milos Forman</td>
<td>Czech Republic</td>
<td>Film director: he won Oscars for his films <em>Amadeus</em> (1984) and <em>One Flew Over the Cuckoo's Nest</em> (1975).</td>
</tr>
<tr>
<td>Sigmund Freud</td>
<td>Austria</td>
<td>Psychiatrist (1856–1939): he developed 'psychoanalysis' — a way of explaining how our minds work.</td>
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<tr>
<td>Justine Henin</td>
<td>Belgium</td>
<td>Tennis player: she won a gold medal at the 2004 Olympic Games.</td>
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<tr>
<td>Thierry Henry</td>
<td>France</td>
<td>Footballer: the only player ever to have won English football's prestigious Football Writers' Association 'Footballer of the Year' award three times (2003, 2004, 2006).</td>
</tr>
<tr>
<td>Hergé (Georges Rémi)</td>
<td>Belgium</td>
<td>Artist and writer: he created the <em>Tintin</em> adventures (1929) and many other comic book series.</td>
</tr>
<tr>
<td>Heinrich Hertz</td>
<td>Germany</td>
<td>Scientist: in 1888 he proved that radio waves exist.</td>
</tr>
<tr>
<td>Christo (Javacheff)</td>
<td>Bulgaria</td>
<td>Artist: famous for 'wrapping' buildings, monuments and even trees, in fabrics, as he did with the German Parliament in 1995 — <em>The Wrapped Reichstag</em>.</td>
</tr>
<tr>
<td>Franz Liszt</td>
<td>Hungary</td>
<td>Composer (1811–86): he wrote some of the world's most difficult piano music, such as the Transcendental Studies.</td>
</tr>
<tr>
<td>Claude Monet</td>
<td>France</td>
<td>Artist (1840–1926): famous for his 'impressionist' style paintings, including several series of Water-lilies.</td>
</tr>
<tr>
<td>Wolfgang Amadeus Mozart</td>
<td>Austria</td>
<td>Composer: he wrote a lot of great music, including the opera <em>The Magic Flute</em> (1791).</td>
</tr>
<tr>
<td>Isaac Newton</td>
<td>United Kingdom</td>
<td>Scientist: in the 1600s he discovered how gravity works, and how the planets move through space.</td>
</tr>
<tr>
<td>Alfred Nobel</td>
<td>Sweden</td>
<td>Scientist: he invented dynamite in 1866, and he founded the Nobel Prize for great achievements.</td>
</tr>
<tr>
<td>Erkki Nool</td>
<td>Estonia</td>
<td>Athlete: he won a gold medal in the decathlon at the 2000 Olympic Games.</td>
</tr>
<tr>
<td>Louis Pasteur</td>
<td>France</td>
<td>Scientist: he discovered that many diseases are caused by germs, and in 1862 he invented 'pasteurisation', a way of killing germs in food.</td>
</tr>
<tr>
<td>Pablo Picasso</td>
<td>Spain</td>
<td>Artist: famous for his paintings in the 'cubist' style, including <em>Les demoiselles d'Avignon</em> (1907).</td>
</tr>
<tr>
<td>Marco Polo</td>
<td>Venice or Croatia</td>
<td>Great explorer: more than 700 years ago he travelled through Asia to China, and back again.</td>
</tr>
<tr>
<td>Rembrandt</td>
<td>The Netherlands</td>
<td>Artist: famous for his use of rich colour, light and shadow. His paintings include <em>The Night Watch</em> (1642).</td>
</tr>
<tr>
<td>Jean Sibelius</td>
<td>Finland</td>
<td>Composer: his great pieces include <em>Finlandia</em> (1900).</td>
</tr>
<tr>
<td>U2</td>
<td>Ireland</td>
<td>Rock band: their songs have been big hits around the world since 1980.</td>
</tr>
<tr>
<td>Vincent Van Gogh</td>
<td>The Netherlands</td>
<td>Artist (1853–90): his many paintings include several of <em>Sunflowers</em>.</td>
</tr>
<tr>
<td>Antonio Vivaldi</td>
<td>Italy</td>
<td>Composer: he wrote many pieces, including <em>The four seasons</em> (1725).</td>
</tr>
<tr>
<td>Vlad III the Impaler</td>
<td>Romania</td>
<td>15th century prince who was famous in wartime for impaling captured enemies. Bram Stoker based his famous spine-chilling tale of Dracula on this character.</td>
</tr>
<tr>
<td>Alessandro Volta</td>
<td>Italy</td>
<td>Scientist: around 1799 he invented the electric battery.</td>
</tr>
</tbody>
</table>
We Europeans belong to many different countries, with different languages, traditions, customs and beliefs. Yet we belong together, like a big family, for all sorts of reasons. Here are some of them.

• We have shared this continent for thousands of years.
• Our languages are often related to one another.
• Many people in every country are descended from people from other countries.
• Our traditions, customs and festivals often have the same origins.
• We share and enjoy the beautiful music and art, and the many plays and stories, that people from all over Europe have given us, down the centuries.
• Almost everyone in Europe believes in things like fair play, neighbourliness, freedom to have your own opinions, respect for each other and caring for people in need.

So we enjoy what’s different and special about our own country and region, but we also enjoy what we have in common as Europeans.

War and peace

Sadly, there have been many quarrels in the European family. Often they were about who should rule a country, or which country owned which piece of land. Sometimes a ruler wanted to gain more power by conquering his neighbours, or to prove that his people were stronger and better than other peoples.

One way or another, for hundreds of years, there were terrible wars in Europe. In the 20th century, two big wars started on this continent but spread and involved countries all around the world. That is why they are called World Wars. They killed millions of people and left Europe poor and in ruins.

Could anything be done to stop these things happening again? Would Europeans ever learn to sit down together and discuss things instead of fighting? The answer is yes. That’s the story of our next chapter: the story of the European Union.
The speech convinced not only the French and German leaders but also the leaders of Belgium, Italy, Luxembourg and the Netherlands. They all decided to put their coal and steel industries together and to form a club they called the European Coal and Steel Community (ECSC). It would work for peaceful purposes and help rebuild Europe from the ruins of war. The ECSC was set up in 1951.

The common market

The six countries got on so well working together that they soon decided to start another club, called the European Economic Community (EEC). It was set up in 1957.

‘Economic’ means ‘to do with the economy’ – in other words, to do with money, business, jobs and trade.

One of the main ideas was that the EEC countries would share a ‘common market’, to make it easier to trade together. Until then, lorries and trains and barges carrying goods from one country to another always had to stop at the border, and papers had to be checked and money called ‘customs duties’ had to be paid. This held things up and made goods from abroad more expensive.

The point of having a common market was to get rid of all those border checks and delays and customs duties, and to allow countries to trade with one another just as if they were all one single country.

Food and farming

The Second World War had made it very difficult for Europe to produce food or to import it from other continents. Europe was short of food even in the early 1950s. So the EEC decided on an arrangement for paying its farmers to produce more food, and to make sure that they could earn a decent living from the land.

This arrangement was called the ‘common agricultural policy’ (or CAP). It worked well. So well, in fact, that farmers ended up producing too much food and the arrangement had to be changed! Nowadays, the CAP also pays farmers to look after the countryside.
Bringing the family together

Meanwhile, exciting things were happening beyond the EU’s borders. For many years, the eastern and western parts of Europe had been kept apart. They weren’t at war, but their leaders disagreed strongly. The rulers of the eastern part believed in a system of government called ‘Communism’ which did not allow people much freedom. Because of the way they were governed, those countries were poor compared to western Europe.

The division between east and west was so strong it was often described as an ‘iron curtain’. In many places the border was marked by tall fences or a high wall, like the one that ran through the city of Berlin and split Germany in two. It was very difficult to get permission to cross this border.

Finally, in 1989, the division and disagreement ended. The Berlin wall was knocked down and the ‘iron curtain’ ceased to exist. Soon, Germany was reunited. The peoples of the central and eastern parts of Europe chose for themselves new governments that got rid of the old, strict Communist system. They were free at last! It was a wonderful time of celebration.

The countries that had gained freedom began asking whether they could join the European Union, and soon there was quite a queue of ‘candidate’ countries waiting to become EU members.

Before a country can join the European Union, its economy has to be working well. It also has to be democratic – in other words, its people must be free to choose who they want to govern them. And it must respect human rights. (Human rights include the right to say what you think, the right not to be put in prison without a fair trial, the right not to be tortured, and many other important rights as well).

The former Communist countries worked hard at all these things and, after a few years, eight of them were ready: the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Slovakia and Slovenia.

They joined the EU on 1 May 2004, along with two Mediterranean islands – Cyprus and Malta. On 1 January 2007, two more former Communist countries were ready and Bulgaria and Romania joined the group.

Never before have so many countries joined the EU in such a short time. This is a real ‘family reunion’, bringing together the eastern, central and western parts of Europe.

From EEC to European Union

The common market was soon making life easier for people in the EEC. They had more money to spend, more food to eat and more varied things in their shops. Other neighbouring countries saw this and, in the 1960s, some of them began asking whether they too could join the club. After years of discussions, the United Kingdom, Denmark and Ireland joined in 1973. It was the turn of Greece in 1981, followed by Portugal and Spain in 1986, and Austria, Finland and Sweden in 1995.

So now the club had 15 members.

Over these years, the club was changing. By the end of 1992 it had finished building the ‘single market’ (as it became known), and it was doing a lot more besides. For example, EEC countries were working together to protect the environment and to build better roads and railways right across Europe. Richer countries helped poorer ones with their road-building and other important projects.

To make life easier for travellers, most EEC countries had got rid of passport checks at the borders between them. A person living in one member country was free to go and live and find work in any other member country. The governments were discussing other new ideas too – for example, how policemen from different countries could help one another catch criminals, drug smugglers and terrorists.

In short, the club was so different and so much more united that, in 1992, it decided to change its name to the ‘European Union’ (EU).
What the EU does

The euro

In years gone by, each country in Europe had its own kind of money, or ‘currency’. Now there is one single currency, the euro, which all EU countries can share if they wish. Having one currency makes it easier to do business and to travel and shop all over the EU without having to change from one currency to another.

It took nine years of hard work and careful planning to introduce the euro. The notes and coins came into use on 1 January 2002. Today, more than two thirds of the EU’s citizens are using the euro instead of the old currencies. If you compare euro coins you will see that on one side there is a design representing the country it was made in. The other side is the same for all the countries.

Helping regions in difficulty

Life is not easy for everyone everywhere in Europe. In some places there are not enough jobs for people, because mines or factories have closed down. In some areas, farming is hard because of the climate, or trade is difficult because there are not enough roads and railways.

The EU tackles these problems by collecting money from all its member countries and using it to help regions that are in difficulty. For example, it helps pay for new roads and rail links, and it helps businesses to provide new jobs for people.

The environment

The environment belongs to everyone, so countries have to work together to protect it. The EU has rules about stopping pollution and about protecting, for example, wild birds. These rules apply in all EU countries and their governments have to make sure they are obeyed.

Jobs

It’s important for people to have jobs that they enjoy and are good at. Some of the money they earn goes to pay for hospitals and schools, and to look after old people. That’s why the EU is doing all it can to create new and better jobs for everyone who can work. It helps people to set up new businesses, and provides money to train people to do new kinds of work.

Freedom!

People in the EU are free to live, work or study in whichever EU country they choose, and the EU is doing all it can to make it simple to move home from one country to another. When you cross the borders between most EU countries, you no longer need a passport. The EU encourages students and young people to spend some time studying or training in another European country.
Helping poor countries

In many countries around the world, people are dying or living difficult lives because of war, disease and natural disasters such as droughts or floods. Often these countries do not have enough money to build the schools and hospitals, roads and houses that their people need.

The EU gives money to these countries, and sends teachers, doctors, engineers and other experts to work there. It also buys many things that those countries produce without charging customs duties. That way, the poor countries can earn more money.

Peace

The European Union has brought many European countries together in friendship. Of course, they don’t always agree on everything but, instead of fighting, their leaders sit round a table to sort out their disagreements.

So the dream of Jean Monnet and Robert Schuman has come true: the EU has brought peace among its members. It is also working for lasting peace among its neighbours and in the wider world. For example, EU soldiers and police officers are helping keep the peace in the former Yugoslavia, where there was bitter fighting not many years ago.

These are just some of the things the EU does: there are many more. In fact, being in the European Union makes a difference to just about every aspect of our lives. What things should the EU be doing, or not doing? That’s for the people in the EU to decide. How can we have our say? Find out in the next chapter.

Europe has its own flag and its own anthem – the Ode to Joy from Beethoven’s ninth symphony. The original words are in German, but when used as the European anthem it has no words – only the tune.

You can hear it on the Internet: europa.eu/abc/symbols/anthem/index_en.htm

Key:
The coloured countries are members of the European Union (EU).
The striped countries are planning to join the EU.
The other countries, including those shown by a small white circle, are neighbours of the EU. The dots show where the capital cities are.

Vatican City is in Rome.
Some islands and other pieces of land belonging to France, Portugal and Spain are part of the EU. But they are a long way from mainland Europe, so we have put them in the box (top right).
### The European Union countries

The countries are in alphabetical order according to what each country is called in its own language or languages (as shown in brackets).

<table>
<thead>
<tr>
<th>Flag</th>
<th>Country</th>
<th>Capital City</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>🇹🇱</td>
<td>Lithuania (Lietuva)</td>
<td>Vilnius (Vilnius)</td>
<td>3.4 million</td>
</tr>
<tr>
<td>🇧🇪</td>
<td>Luxembourg (Luxembourg)</td>
<td>Luxembourg (Luxembourg)</td>
<td>0.5 million</td>
</tr>
<tr>
<td>🇭🇺</td>
<td>Hungary (Magyarország)</td>
<td>Budapest (Budapest)</td>
<td>10.1 million</td>
</tr>
<tr>
<td>🇲🇹</td>
<td>Malta (Malta)</td>
<td>Valletta (Valletta)</td>
<td>0.4 million</td>
</tr>
<tr>
<td>🇳🇱</td>
<td>The Netherlands (Nederland)</td>
<td>Amsterdam (Amsterdam)</td>
<td>16.3 million</td>
</tr>
<tr>
<td>🇦🇹</td>
<td>Austria (Österreich)</td>
<td>Vienna (Wien)</td>
<td>8.3 million</td>
</tr>
<tr>
<td>🇵🇱</td>
<td>Poland (Polska)</td>
<td>Warsaw (Warszawa)</td>
<td>38.1 million</td>
</tr>
<tr>
<td>🇵🇹</td>
<td>Portugal (Portugal)</td>
<td>Lisbon (Lisboa)</td>
<td>10.6 million</td>
</tr>
<tr>
<td>🇷🇴</td>
<td>Romania (România)</td>
<td>Bucarest (București)</td>
<td>21.6 million</td>
</tr>
<tr>
<td>🇸🇮</td>
<td>Slovenia (Slovenija)</td>
<td>Ljubljana (Ljubljana)</td>
<td>2.0 million</td>
</tr>
<tr>
<td>🇸🇰</td>
<td>Slovakia (Slovensko)</td>
<td>Bratislava (Bratislava)</td>
<td>5.4 million</td>
</tr>
<tr>
<td>🇫🇮</td>
<td>Finland (Suomi; Finland)</td>
<td>Helsinki (Helsinki; Helsingfors)</td>
<td>5.3 million</td>
</tr>
<tr>
<td>🇸🇪</td>
<td>Sweden (Sverige)</td>
<td>Stockholm (Stockholm)</td>
<td>9 million</td>
</tr>
<tr>
<td>🇬🇧</td>
<td>United Kingdom (*) (United Kingdom)</td>
<td>London (London)</td>
<td>60.4 million</td>
</tr>
</tbody>
</table>

(*) The full name of this country is ‘the United Kingdom of Great Britain and Northern Ireland’, but for short most people just call it Britain, the United Kingdom or the UK.

Population figures are for 2006.

Source: Eurostat
How the EU takes decisions

As you can imagine, it takes a lot of effort by a lot of people to organise the EU and make everything work. Who does what?

The European Commission

In Brussels, 27 women and men (one from each EU country) meet every Wednesday to discuss what needs to be done next. These people are chosen by the government of their country but approved by the European Parliament.

They are called 'commissioners', and together they make up the European Commission. Their job is to think about what would be best for the EU as a whole, and to propose new laws for the EU as a whole. In their work they are helped by experts, lawyers, secretaries, translators and so on.

Once they have agreed what law to propose, they send their proposal to the European Parliament and the Council of the European Union.

The Council of the European Union

MEPs are not the only people who decide on new EU laws. They also have to be discussed by government ministers from all the EU countries. When the ministers meet together they are called 'the Council of the European Union'.

After discussing a proposal, the Council votes on it. There are rules about how many votes each country has, and how many are needed to pass a law. In some cases, the rule says the Council has to be in complete agreement.

Once the Council and the Parliament have passed a new law, EU governments have to make sure it is respected in their countries.

The Court of Justice

If a country doesn’t apply the law properly, the European Commission will warn it, and may complain about it to the European Court of Justice, in Luxembourg. The Court’s job is to make sure that EU laws are respected, and are applied in the same way everywhere. It has one judge from each EU country.

There are other groups of people (committees of experts and so on) involved in taking these decisions, because it’s important to get them right. If you want to know more about these people and what they do, try reading the booklet How the European Union works, online at ec.europa.eu/publications/booklets/eu_glance/68/index_en.htm

It’s meant for adults, but it’s not very hard to read.

The European Parliament

The European Parliament represents all the people in the EU. It holds a big meeting every month, in Strasbourg, to discuss the new laws being proposed by the European Commission. If the Parliament doesn’t like a proposal, it can ask the Commission to change it until Parliament is satisfied that this is a good law.

There are 785 members of the European Parliament (MEPs). They are chosen, every five years, in an election when all the adult citizens of the EU get the chance to vote. By choosing our MEP, and by talking to him or her, we can have a say in what the EU decides to do.

Mr Pöttering, from Germany, is President of the European Parliament until 2009.

Mr Barroso, from Portugal, is President of the European Commission until 2009.
One of the challenges facing Europe today is how to make sure that young people can have jobs and a good future. It’s not easy, because European firms have to compete for business with companies in other parts of the world that may be able to do the same job more cheaply.

There are other big problems today which can only be tackled by countries around the world working together, for example:

- pollution and climate change;
- hunger and poverty;
- international crime and terrorism.

The European Union is working on these problems, but it’s not always easy for 27 governments and the European Parliament to agree on what to do. It doesn’t help that the EU’s decision-making rules are rather complicated.

What’s more, many people feel that just voting for their MEP once every five years doesn’t give them much of a say in what gets decided in Brussels or Strasbourg.

So we need to make the EU simpler and more efficient. We also need to make sure that everyone can have their say in what the European Union decides.

How can we do that? Do you have any good ideas? What are the most important problems you think the EU should be dealing with, and what would you like it to do about them?

Why not discuss your ideas with your family, your friends and teachers ... Then tell your MEP! You can also contact the European Commission or Parliament at one of the addresses on the next page.

We are today’s European children: before long we’ll be Europe’s adults.

The future is for us to decide — together!