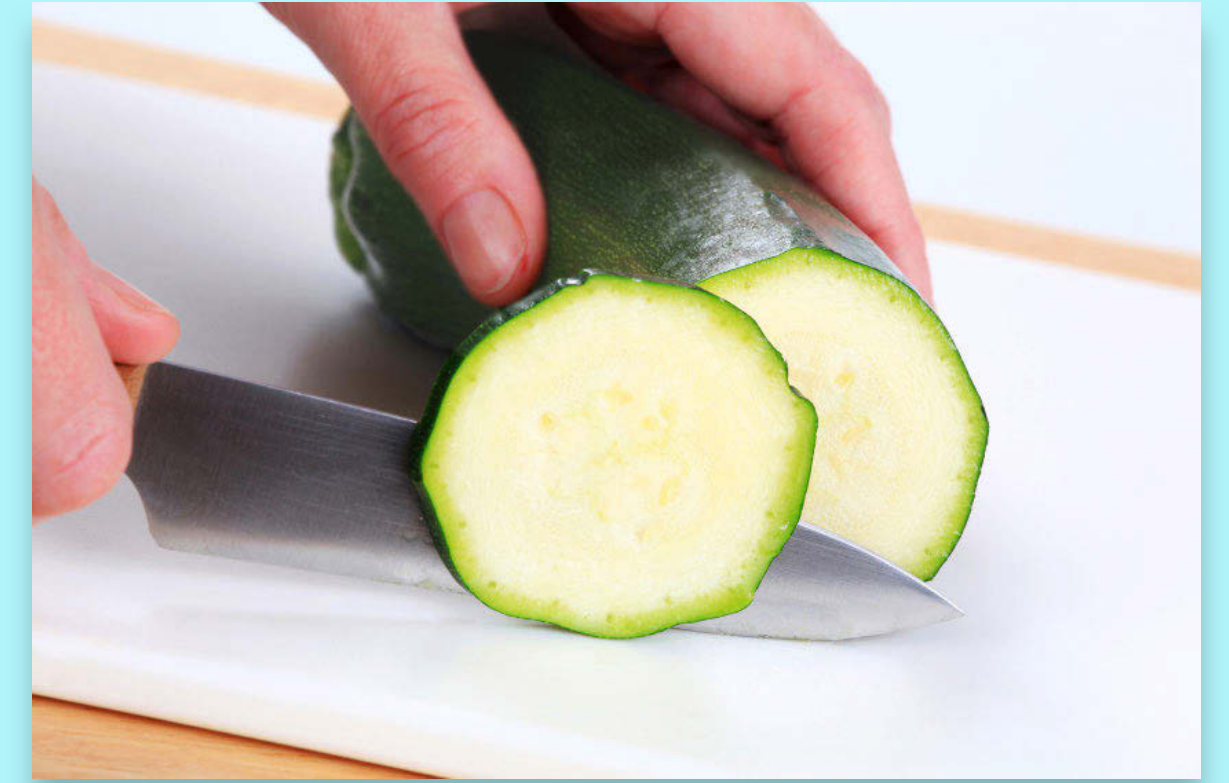
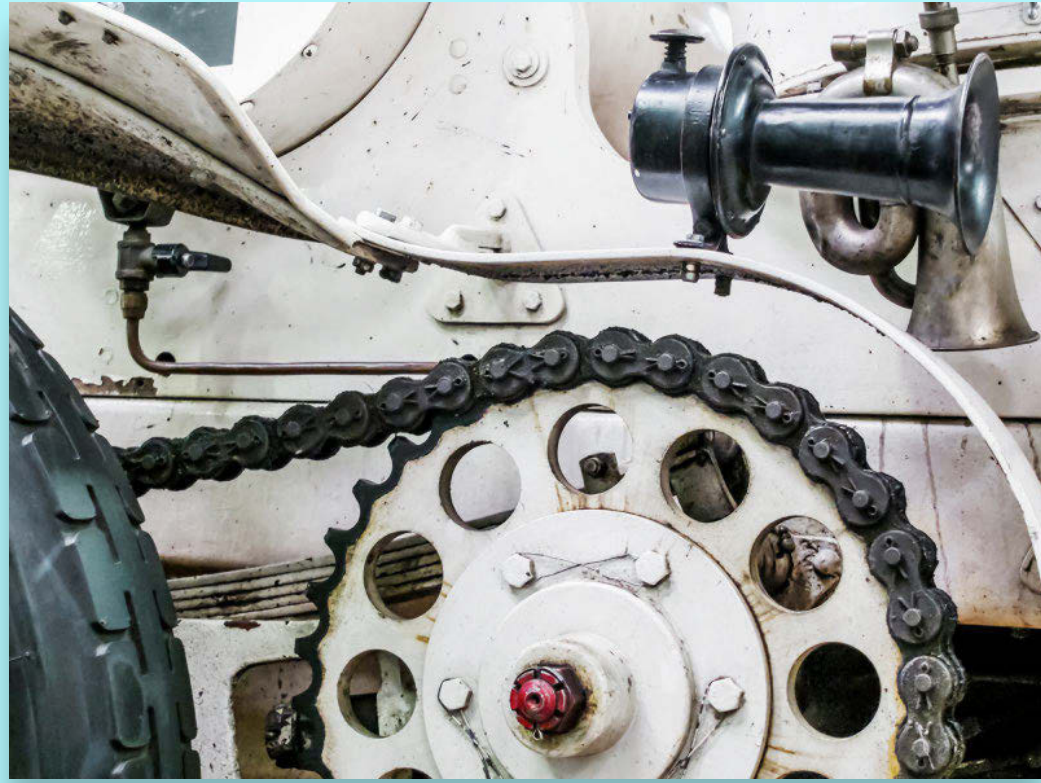


Natural Resources

Learning Objective:

To know where and how steel is produced.





What are these products made from?

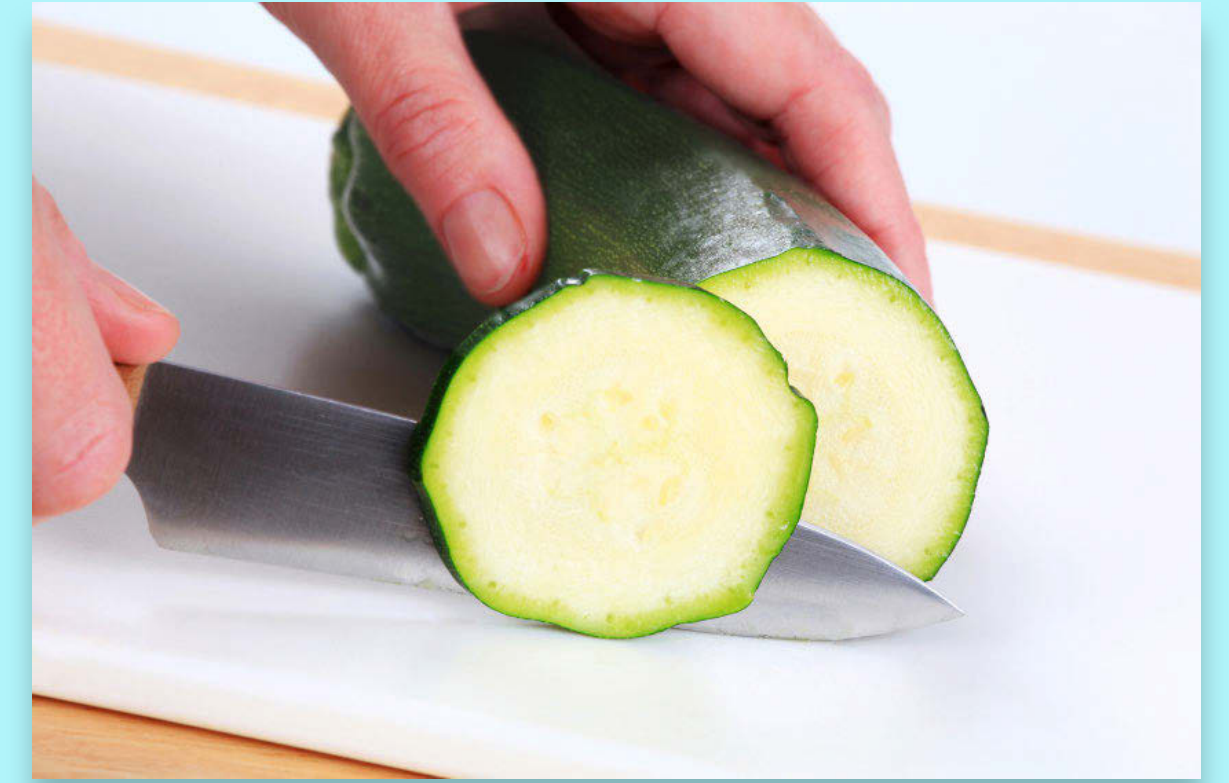
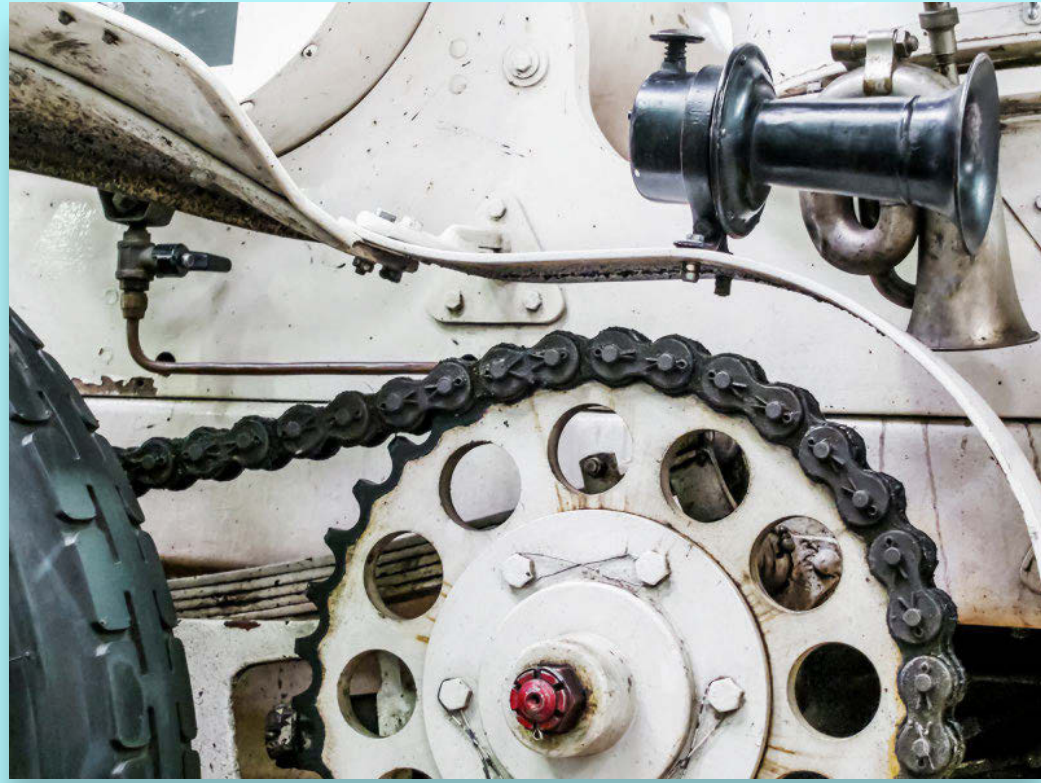
How do you think the materials used to produce them are made?

What natural resources have been used?

Where do the natural resources used come from?

Talk to a partner...





Among other materials, steel has been used to make these products. Steel is a metal.

Steel is made from iron ore, a mineral found in the ground.



In 2011, more than six million tonnes of steel was imported into Britain.

Do you know where in the world that steel might have come from?



Most of the steel imported into Britain comes from Germany. Germany is the biggest producer of steel in Europe.



But that's not where the story of British steel imports begins! Germany imports the iron ore used to make steel from other countries such as Sweden and Ukraine.

Look at the map. How do you think the iron ore is transported to Germany?



Let's look at one way steel gets to Britain:



Iron ore is dug out of the ground from this huge quarry in Sweden. Sometimes it is dug out of deep mines under the ground.

The iron ore is crushed and poured into huge cargo ships.



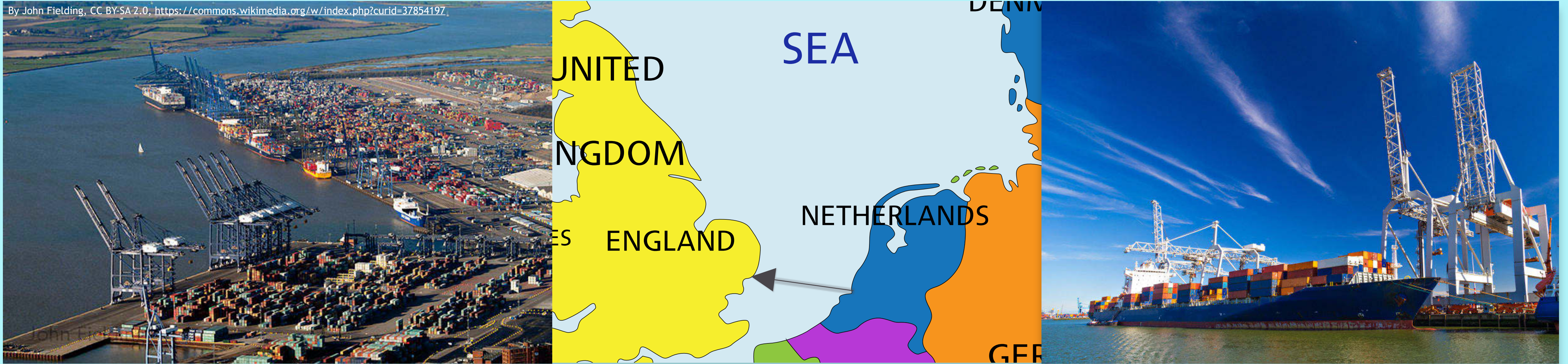


The iron ore is transported by cargo ship from Sweden to Germany. It is moved onto river boats, trains and trucks, which take the ore to steel mills, like this one.



In the steel mill, the iron ore is used to make steel which is then shaped into rolls, pipes, beams and many other shapes. It's ready to be exported to Britain!





The steel is transported by rail or by lorry from the steel mills in Germany to Rotterdam, in the Netherlands. It is loaded onto ships, which travel across the North Sea to Felixstowe in Britain.



What do you think happens next?



Some of the steel is ready to be used straight away in construction. Some is taken to factories where it is used to make all kinds of different products.



What a lot of information! Let's see how much you remembered.



Look at the stages in the journey of steel to Britain. Can you order them correctly?



Iron ore is shipped from Sweden to Germany.

German steel mills use iron ore to make steel.

Steel is transported from Germany to Rotterdam, Netherlands.

Iron ore is mined in Sweden.

Steel is shipped from Rotterdam to Felixstowe, UK.

Steel is used in construction and manufacturing around Britain.

Iron ore is shipped from Sweden to Germany.

German steel mills use iron ore to make steel.

Steel is transported from Germany to Rotterdam, Netherlands.

Did you get it right?

Iron ore is mined in Sweden.

Steel is shipped from Rotterdam to Felixstowe, UK.

Steel is used in construction and manufacturing around Britain.

PLENARY

Did you know that only some of our steel waste is recycled in Britain?

Lots of it is exported to other countries to be recycled.



**Why do you think this is?
Talk to a partner...**

PLENARY

In 2014, Britain exported more than six hundred million pounds worth of waste metal to India.

It's quite expensive to recycle steel in Britain. The cost of transporting, storing recycling the steel and paying workers to do all this costs more in Britain than it does in India.

Businesses in India, Turkey and many other countries buy British scrap metal for recycling.

