River erosion

- Water erodes rock in four different ways , attrition, hydraulic action, abrasion and solution.
- When a river is moving fast it has enough energy to carry material such as rocks and pebbles.
- In the upper course, rivers erode vertically and cut channels into the land.
- In the middle and lower course, rivers erode horizontally and become wider.

Key vocabulary			lan
Source	The place where the river starts its journey.	Meander	The the
		Vieander	The aga bas
Mouth	The place where a river meets the sea.	Tributaries Mouth	
Ox-bow lake	A meander that is cut off from the rest of the river.	River structure and features	Flo
Meander	A bend/curve in a river.	The beginning of the river is called the source . The structure of a river includes three main	A f wa Flo
Flash floods	Floods that appear suddenly due to fast and heavy rainfall in a short amount of time.	courses: Upper course, middle course and lower course. The end of the river's journey is referred to as the mouth – this is where the river meets the sea.	Fla wa
Tributary	A small stream or river that feeds into the larger river.	Rivers create: waterfalls, meanders, erosion, ox- bow lakes.	We da

Coasts

There are many types of coast such as **beaches**, **cliffs and salt marshes**.

Waves change the shape of coasts through erosion- water breaks away rock and brings it on land again, creating new formations.

The pull of the Moon's gravity on Earth makes the oceans bulge slightly creating tides.

There are several ways to protect coastlines against erosion such as placing large rocks at the base of cliffs or using groynes.



Flooding and flood defence

A flood happens when the water level rises and water comes on to land that is normally dry. Floods can affect rivers and coasts.

Flash floods appear suddenly and therefore the water cannot be absorbed or flow away quickly enough.

We can reduce the risk of flooding by building **dams** in the rivers to control **water flow**.