

River landscapes - Key ideas	100% confident	I am okay with this, some work needed	Definitely need more revision
The UK has a range of diverse landscapes.			
I can give an overview of the location of major upland/lowland areas and river systems in the UK.			
The shape of river valleys changes as rivers flow downstream.			
I know the long profile and changing cross profile of a river and its valley.			
I know the processes of fluvial erosion: hydraulic action, abrasion, attrition, solution, vertical and lateral erosion.			
I know the processes of fluvial transportation: traction, saltation, suspension and solution.			
I know the processes of fluvial deposition and why rivers deposit sediment.			
Distinctive fluvial landforms result from different physical processes.			
I know the characteristics and formation of landforms resulting from erosion, e.g. interlocking spurs, waterfalls and gorges.			
I know the characteristics and formation of landforms resulting from erosion and deposition, e.g. meanders and ox-bow lakes.			
I know the characteristics and formation of landforms resulting from deposition, e.g. levées, flood plains and estuaries.			
I know a case study / example of a section of a river valley in the UK to identify its major landforms of erosion and deposition.			

Different management strategies can be used to protect river landscapes from the effects of flooding.			
I know how physical and human factors affect the flood risk, e.g. precipitation, geology, relief and land use.			
I understand the use of hydrographs to show the relationship between precipitation and discharge.			
I know the costs and benefits of the following hard engineering management strategies: dams and reservoirs, straightening, embankments and flood relief channels.			
I know the costs and benefits of the following soft engineering management strategies: flood warnings and preparation, flood plain zoning, planting trees and river restoration.			
I know a case study / example of a flood management scheme in the UK to show why the scheme was required.			
I know a case study / example of a flood management scheme in the UK to show the management strategy.			
I know a case study / example of a flood management scheme in the UK to show the social, economic and environmental issues.			