

Physical landscapes in the UK: Rivers

	Red	Amber	Green
The shape of river valleys changes as rivers flow downstream			
I know what the long profile of a river is			
I know how and why the long profile of a river changes from source to mouth			
I know the characteristics of the cross profile of a river in the upper, middle and low course			
I know how and why the characteristics of the cross profile of a river in the upper, middle and low course change			
I know the characteristics of the cross profile of a river valley in the upper, middle and low course			
I know how and why the characteristics of the cross profile of a river valley in the upper, middle and low course change			
I can describe and explain the 4 main processes of fluvial erosion			
I can describe and explain the 4 main processes of fluvial transportation			
I know why rivers deposit sediment			
I know where and why rivers deposit sediment			
Distinctive fluvial landforms result from different physical processes.			
I know the characteristics and formation of landforms resulting from erosion: <ul style="list-style-type: none"> • interlocking spurs • waterfalls • gorges 			
I know the characteristics and formation of landforms resulting from erosion and deposition: <ul style="list-style-type: none"> • meanders • ox-bow lakes 			
I know the characteristics and formation of landforms resulting from deposition: <ul style="list-style-type: none"> • levées • flood plains • estuaries 			
I know an example 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 factors affect the flood risk: <ul style="list-style-type: none"> • precipitation • geology • relief 			
I know how human factors affect the flood risk: <ul style="list-style-type: none"> • land use 			
I know how to use hydrographs to show the relationship between precipitation and discharge.			
I can describe and explain the costs and benefits of hard engineering strategies: <ul style="list-style-type: none"> • dams and reservoirs • straightening • embankments • flood relief channels 			
I can describe and explain the costs and benefits of soft engineering strategies: <ul style="list-style-type: none"> • flood warnings and preparation • flood plain zoning • planting trees • river restoration 			
I know an example of a flood management scheme in the UK to show: <ul style="list-style-type: none"> • why the scheme was required. • the management strategy • the social, economic and environmental issues 			