




Rivers check list

<u>Content</u>			
Different types of weathering Mechanical, Biological and chemical			
What mass movement is and how slumping and soil creep work			
Ways in which a river erodes a river - Corrasion, corrosion, hydraulic action, Attrition			
Ways in which a river transports material: Traction, saltation, solution and suspension			
Features of a drainage basin e.g. tributaries, confluence, watershed, source, mouth etc.			
How and why the profile of a river changes as you travel down its course e.g. velocity, discharge, bedload, width, depth etc			
Features of the Upper course and how these are formed: V- shaped valleys, interlocking spurs, waterfalls, gorge of retreat			
Features of the middle course and how these are formed: Meanders, ox-bow lakes, slip off slope, river cliff			
Cross section of a meander bend			
Features of the lower course and how these are formed flood plains and levees			
How the UK climate affect river processes and impact on landforms and landscapes			
Features of erosion along a river and how these are formed: V-shaped valley, interlocking spurs, waterfalls, meanders, ox-bow lakes			
Features of deposition and how these are formed: flood plains and levees, slip-off slope.			
How agriculture has led to changes in river landscapes that affect both people and the environment			

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How industry has led to changes in river landscapes that affect both people and the environment			
How urbanisation has led to changes in river landscapes that affect both people and the environment			
Using examples explain the effects of flooding on people and the environment – must be able to name specific rivers and include relevant facts and figures.			
Describe and explain the physical causes of flooding			
Describe and explain the human causes of flooding			
What the terms hard and soft engineering mean			
Advantages and disadvantages of hard and soft engineering			
Examples of different types of hard engineering, how they work and the advantages and disadvantages of them (dams, channelization, flood walls, etc)			
Examples of different types of soft engineering, how they work and the advantages and disadvantages of them (Flood plain zoning, washlands, afforestation etc)			
The physical processes that have shaped a distinctive river landscape e.g. River Ouse			
The human processes that have shaped a distinctive river landscape e.g. River Ouse			
To be able to identify river features on an OS map			