

Rivers

Knowledge and understanding	Skills
<p>Students are able to :</p> <ul style="list-style-type: none"> • Identify, label and define complex elements of the water cycle (including infiltration, throughflow, ground water flow, percolation) and the drainage basin • Describe in detail how the river changes from source to mouth (width, depth, velocity, sediment size/shape) and explain these changes in greater depth • Describe and explain in detail the formation of waterfalls • Describe and explain in detail the formation of ox-bow lakes • Describe in detail a wide range of physical/human factors which cause rivers to flood • Describe in detail a wider range of impacts; social, economic and environmental, short/long term impacts of a flooding event. Use of specific evidence. nalyse a wider range of factors to explain in detail the causes of flooding Assessing if some factors are more significant than others • Evaluate wider range of techniques that a river can be managed and reduce the risk of flooding 	<ul style="list-style-type: none"> • Draw and label the key features of a flood hydrograph.
<p>Students are able to :</p> <ul style="list-style-type: none"> • Identify, label and define more complex elements of the water cycle (including infiltration, percolation) and the drainage basin • Describe in some detail how the river changes from source to mouth (width, depth, velocity, sediment size/shape) and start to explain these changes • Describe and explain in the formation of waterfalls • Describe and explain the formation of ox-bow lakes • Describe in detail a range of physical/human factors which cause rivers to flood • Describe in detail a range of impacts; social, economic and environmental, short/long term impacts of a flooding event. Use of specific evidence. • Analyse a range of factors to explain in detail the causes of flooding; starting to assess if some factors are more significant than others • Evaluate different techniques that a river can be managed and reduce the risk of flooding 	<ul style="list-style-type: none"> • Draw a flood hydrograph from geographical data.
<p>Students are able to :</p> <ul style="list-style-type: none"> • Identify, label and define different elements of the water cycle (including transpiration, interception) and the drainage basin • Describe in some detail how the river changes from source to mouth (width, depth, velocity, sediment size/shape) and start to explain these changes • Describe and begin to explain in the formation of waterfalls • Describe and begin to explain the formation of ox-bow lakes • Describe in detail a range of physical/human factors which cause rivers to flood • Describe a range of impacts; social, economic and environmental, short/long term impacts of a flooding event. Use of specific evidence. • Start to explain some of the causes of flooding • Describe some of techniques that a river can be managed and reduce the risk of flooding 	<ul style="list-style-type: none"> • Identify landforms in the upper, middle and lower course of the river

Students are able to :

- **Identify, label and define** basic elements of the water cycle (including precipitation, condensation, evaporation) and the drainage basin
- **Describe** how the river changes from source to mouth (width, depth, velocity, sediment size/shape) and **start to explain** these changes
- **Describe** the formation of waterfalls
- **Describe** the formation of ox-bow lakes
- **Identify some** of physical/human factors which cause rivers to flood
- **Describe a *range*** of impacts; social, economic and environmental, short/long term impacts of a flooding event. Use of specific evidence.
- **Start to explain** some of the causes of flooding
- **Identify some** of techniques that a river can be managed and reduce the risk of flooding