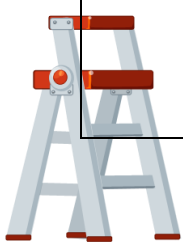



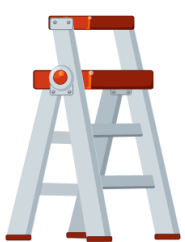



Percentage	I can ...	Prove it!
	<p>I can evaluate a topic by presenting the positives and negatives before reaching a conclusion. I can defend my judgement using a variety of evidenced points.</p> <ul style="list-style-type: none"> <li>Arguments that support the statement. Why is it correct?</li> <li>Arguments against the statement? Why is it incorrect? Suggest a minimum of two alternative options explaining how they would impact differently.</li> <li>Overall do you agree or disagree with the statement and why? Use evidence to back up your points.</li> </ul> <p>8 mark questions are also often case study questions or questions that require you to use specific examples.</p>	<ol style="list-style-type: none"> <li>Describe how river processes of transportation and deposition change downstream. How do these processes lead to the formation of river landforms in the lower course? (8 marks)</li> <li>Use the image below &amp; your own knowledge to describe the social, economic &amp; environmental effects of a flood. (8 marks)                     <div> </div> </li> <li>Explain how hard and soft engineering strategies help to manage the risk of flooding in areas such as Bocastle. (8 marks)</li> <li>Use a case study to describe responses to river flooding. (8 marks)</li> <li>Explain how Somerset reacted to the floods in 2014 and the social, economic and environmental impact these changes had. (8 marks)</li> </ol>
	<p>I can compare two or more factors using detailed evidence to back up my comparison. I make sure I explain how they will impact differently.</p> <p>I can break information into parts, such as:</p> <ul style="list-style-type: none"> <li>Social, economic and environmental</li> <li>Primary and secondary effects</li> <li>Immediate &amp; long-term responses</li> </ul>	<ol style="list-style-type: none"> <li>Describe how the shape of a river channel and river valley changes downstream.</li> <li>With the aid of diagrams explain how a waterfall is formed.</li> <li>With the aid of diagrams explain how a gorge is formed.</li> <li>With the aid of diagrams explain how a meander is formed.</li> <li>With the aid of diagrams explain how an ox-bow lake is formed.</li> <li>Compare the two storm hydrographs below. How do they differ? What does this tell us?                     <div> </div> </li> <li>What physical and human factors will produce each of the hydrographs above?</li> <li>What were the social, economic and environmental impacts of the Somerset Floods?</li> <li>Explain how humans can protect areas from flooding using soft and hard engineering.</li> <li>Discuss issues which result from building dams and reservoirs.</li> </ol>



Percentage	I can ...	Prove it!
 <p>60%</p>	<p>I can demonstrate a clear understanding of facts and processes through explanation, which follows a detailed structure that ensures I explain my point/s to the fullest.</p> <ul style="list-style-type: none"> <li><i>I believe.....because..... More specifically..... As a result.....</i></li> <li><i>I choose.....because..... For example..... As a result.....</i></li> <li><i>One way is.....because..... This means that..... As a result.....</i></li> </ul>	<ol style="list-style-type: none"> <li>1) Explain why the river channel is wider in the middle and lower course of the river.</li> <li>2) Explain why freeze-thaw in the upper course results in additional rocks in the river channel</li> <li>3) Explain why larger rocks are deposited first.</li> <li>4) Why does the size of sediment, carried by the river, decrease downstream?</li> <li>5) Explain why the amount of deposition increases at the river mouth.</li> <li>6) Explain how interlocking spurs are formed.</li> <li>7) Explain how levees are formed.</li> <li>8) Explain how a floodplain is formed.</li> <li>9) Explain how estuaries are formed.</li> <li>10) Why do estuaries often provide a valuable area for wildlife?</li> <li>11) Explain why drainage basin, land use, rock type and rainfall intensity affect a storm hydrograph?</li> <li>12) Explain two hard engineering strategies that can reduce the effects of river flooding.</li> <li>13) Explain two soft engineering strategies that can reduce the effects of river flooding.</li> <li>14) Explain three causes of the Somerset Floods.</li> </ol>
 <p>48%</p>	<p>Demonstrate an understanding of facts and ideas through detailed description, which uses evidence to back up points.</p> <p><i>Make your point and then give two examples.</i></p> <ul style="list-style-type: none"> <li><i>Topic sentence - introduce answer Firstly.....For example..... Secondly.....For example.....</i></li> </ul>	<ol style="list-style-type: none"> <li>1) Describe how water moves around the earth.</li> <li>2) Describe how afforestation would affect the water cycle.</li> <li>3) Describe the shape of the river valley and river channel in the upper course.</li> <li>4) Describe the shape of the river valley and river channel in the lower course.</li> <li>5) Describe how water erodes the river channel.</li> <li>6) Describe how a river transports its load.</li> <li>7) Describe the key landforms formed by erosion.</li> <li>8) Describe the key landforms formed by erosion and deposition in the lower course.</li> <li>9) Describe the key landforms formed by deposition</li> <li>10) Describe how we use contour lines to help read OS maps.</li> <li>11) Describe the storm hydrograph below. What does it tell us?</li> </ol>  <ol style="list-style-type: none"> <li>12) Describe what channel straightening, embankments and a dam &amp; reservoir are.</li> <li>13) Describe what wetlands, floodplain zoning and river restoration are.</li> <li>14) Describe the effects of the Somerset Floods.</li> </ol>



Percentage	I can ...	Prove it!
	<p>I can recall facts, identify factors or points and organise my ideas in a logical way.</p> <p><i>The definition of.....is.....</i></p> <p><i>Two ways that.....</i></p>	<ol style="list-style-type: none"> <li>1) What is the definition of a river?</li> <li>2) What is the definition of the water cycle?</li> <li>3) What are the 6 key words in the water cycle?</li> <li>4) What is a drainage basin?</li> <li>5) What is the source and mouth of a river?</li> <li>6) What is a confluence and tributary?</li> <li>7) What are the 3 courses of a river?</li> <li>8) What is a long profile and cross profile of a river?</li> <li>9) What is a levee?</li> <li>10) What is a waterfall?</li> <li>11) What is the definition of erosion, transportation and deposition?</li> <li>12) What is a contour line?</li> <li>13) What is the definition of a flood?</li> <li>14) What is meant by river discharge?</li> <li>15) What is a flash flood?</li> <li>16) What is a storm hydrograph?</li> <li>17) List two causes of the Somerset Floods</li> <li>18) List five effects of the Somerset Floods</li> <li>19) What is meant by hard engineering? List three examples.</li> <li>20) What is meant by soft engineering? List three examples.</li> </ol>



**Key Words:**

Drainage Basin

Water Cycle

River Channel

River Valley

Upper, Middle, Lower Course

Weathering (*freeze-thaw*)

Erosion (*hydraulic action, abrasion, attrition, corrosion*)

Transportation

Deposition

Waterfall, Gorge

Interlocking Spurs

Meander, Ox-bow Lake

Floodplain, Levee, Estuary

Storm Hydrograph

Discharge, Lag Time

Flood

Hard Engineering

Soft Engineering

