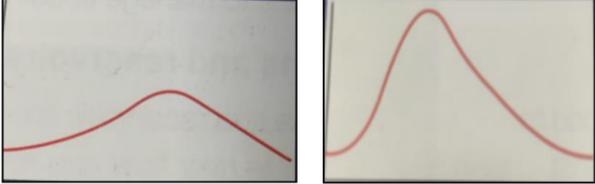
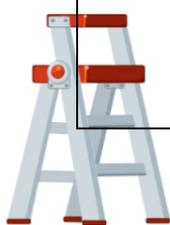
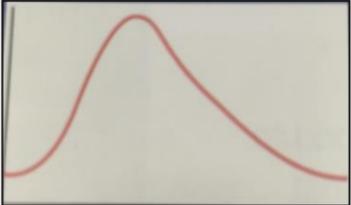


Percentage	I can ...	Prove it!
<p style="text-align: center;"> +84%</p>	<p style="text-align: center;"><b>I can evaluate a topic by presenting the positives and negatives before reaching a conclusion. I can defend my judgement using a variety of evidenced points.</b></p> <ul style="list-style-type: none"> <li>• <i>Arguments that support the statement. Why is it correct?</i></li> <li>• <i>Arguments against the statement? Why is it incorrect? Suggest a minimum of two alternative options explaining how they would impact differently.</i></li> <li>• <i>Overall do you agree or disagree with the statement and why? Use evidence to back up your points.</i></li> </ul>	<p>1) Use the image below &amp; your own knowledge to describe the social, economic &amp; environmental effects of a flood you have studied.</p>  <p>2) Assess the effectiveness of a flood management scheme you have studied.</p> <p>3) <i>Hard engineering is effective at preventing river flooding.</i> To what extent do you agree with this statement?</p> <p>4) <i>Soft engineering is effective at preventing river flooding.</i> To what extent do you agree with this statement?</p>
<p style="text-align: center;"> 72%</p>	<p style="text-align: center;"><b>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.</b></p> <p style="text-align: center;"><b>I can break information into parts, such as:</b></p> <ul style="list-style-type: none"> <li>• <b>Social, economic and environmental</b></li> <li>• <b>Primary and secondary effects</b></li> <li>• <b>Immediate &amp; long-term responses</b></li> </ul>	<p>1) Describe and explain how the shape of a river channel and river valley changes downstream.</p> <p>2) Using a named example of a river valley you have studied, describe how fluvial processes have created its major landforms.</p> <p>3) Compare the two storm hydrographs below. How do they differ? What does this tell us?</p>  <p>4) Explain how physical and human factors affect the risk of river flooding.</p> <p>5) What were the social, economic and environmental impacts of the Somerset Floods?</p> <p>6) Explain how humans can protect areas from flooding using soft and hard engineering.</p> <p>7) Discuss issues which result from building dams and reservoirs.</p>



Percentage	I can ...	Prove it!
 <p>60%</p>	<p><b>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.</b></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>Why does the size of sediment, carried by the river, decrease downstream?</li> <li>Explain the formation of interlocking spurs.</li> <li>Explain the formation of a waterfall.</li> <li>Explain the formation of meanders.</li> <li>Explain the formation of ox-bow lakes</li> <li>Explain the formation of a levee.</li> <li>Explain the formation of a floodplain.</li> <li>Explain the formation of an estuary.</li> <li>Why do estuaries often provide a valuable area for wildlife?</li> <li>Explain why drainage basin, land use, rock type and rainfall intensity affect a storm hydrograph.</li> <li>Explain how human actions affect a storm hydrograph.</li> <li>Explain how and why hard engineering is used to reduce the risk of river floods.</li> <li>Explain how and why soft engineering is used to reduce the risk of river floods.</li> <li>Explain three causes of the Somerset Floods.</li> </ol>
 <p>48%</p>	<p><b>Demonstrate an understanding of facts and ideas through detailed description, which uses evidence to back up points.</b></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>Describe how water moves around the earth.</li> <li>Describe how afforestation would affect the water cycle.</li> <li>Describe the shape of the river valley and river channel in the upper course.</li> <li>Describe the shape of the river valley and river channel in the lower course.</li> <li>Describe how water erodes the river channel.</li> <li>Describe how a river transports its load.</li> <li>Describe the key landforms formed by erosion.</li> <li>Describe the key landforms formed by erosion and deposition in the lower course.</li> <li>Describe the key landforms formed by deposition</li> <li>Describe how we use contour lines to help read OS maps.</li> <li>Describe the storm hydrograph below. What does it tell us?</li> </ol>  <ol style="list-style-type: none"> <li>Describe the physical factors that affect a storm hydrograph.</li> <li>Describe how hard engineering can reduce the impact of river floods.</li> <li>Describe how soft engineering can reduce the impact of river floods.</li> <li>Describe the effects of the Somerset Floods.</li> </ol>



Percentage	I can ...	Prove it!
 <p>36%</p>	<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 processes 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 does lag time mean?</li> <li>17) What is a storm hydrograph?</li> <li>18) List two causes of the Somerset Floods</li> <li>19) List five effects of the Somerset Floods</li> <li>20) What is meant by hard engineering? List three examples.</li> <li>21) 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

