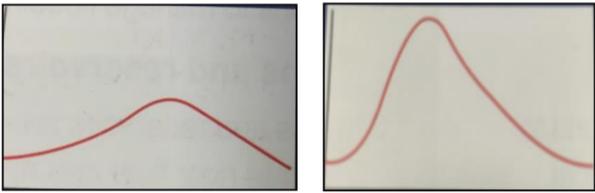
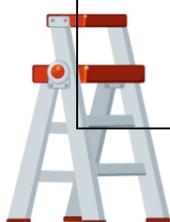
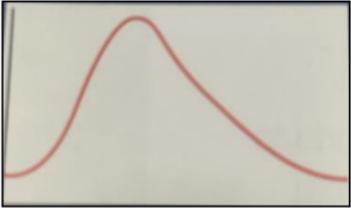


Percentage	I can ...	Prove it!
	<p>I can evaluate a topic by presenting the positives and negatives before reaching a conclusion. I can defend my judgement using a variety of evidenced points.</p> <ul style="list-style-type: none"> Arguments that support the statement. Why is it correct? Arguments against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



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



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"> 1) What is the definition of a river? 2) What is the definition of the water cycle? 3) What are the 6 key words in the water cycle? 4) What is a drainage basin? 5) What is the source and mouth of a river? 6) What is a confluence and tributary? 7) What are the 3 courses of a river? 8) What is a long profile and cross profile of a river? 9) What is a levee? 10) What is a waterfall? 11) What is the definition of erosion, transportation and deposition? 12) What is a contour line? 13) What is the definition of a flood? 14) What is meant by river discharge? 15) What is a flash flood? 16) What is a storm hydrograph? 17) List two causes of the Somerset Floods 18) List five effects of the Somerset Floods 19) What is meant by hard engineering? List three examples. 20) What is meant by soft engineering? List three examples.



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

