

Subject	Year	Term
Geography	7	Spring 1
Topic	Concept	
Why do rivers flood?	Risk and resilience	
Content + skills (Intent)		
<p>Prior Learning (Topic) physical geography, including: climate zones, rivers, mountains, and the water cycle. human geography, including: types of settlement and land use, and the distribution of natural resources including water. Key topographical features including hills, mountains, coasts and rivers,</p> <p>Students will learn key terms that describe the hydrological cycle. They will then look at the three courses of a river and their features. Students will then apply all of this terminology to describe and explain the causes of flooding. The causes will be split into human and physical causes. Students will then look at an example of flooding to see the effects of the flood (either Boscastle or Tewkesbury). After this, students will have a look at the responses that people have to floods. Pupils will develop a range of geographical skills:</p> <ul style="list-style-type: none">• Use, interpret and complete diagrams.• Use and interpret ground and aerial photos• Use and interpret ordnance survey maps and flood risk maps• Be able to consider different views and opinions <p>All the above will be tested through a graded assessment.</p>		
<p>Future Learning (Topic)</p> <p>KS3 at Balcarras – Climate Change (Year 8), UK Weather (Year 8), Coasts (Year 9)</p> <p>KS4 at Balcaarras – UK Physical Landscapes - Rivers (Year 10), Hazards (Year 10)</p> <p>KS5 at Balcarras – Hazards (Year 12), Water and Carbon Cycle Year 13)</p>		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<ul style="list-style-type: none">• Definitions of key terms• Journey down a river to show course of the river, Cross section of a water channel• Causes of floods using images and diagrams• Effects of a flood using a case study, interpreting a news article/journal on flooding.• Responses to a flood using a case study.	<p>Through an end of topic assessment which covers all elements of the topic.</p> <p>Pupils will also complete a guided reading homework task and a knowledge quiz homework task as part of the topic.</p>	
How can parents help at home?		
<p>Talking about their experiences of the 2007 flood, were they effected or do they know anyone in Gloucestershire who was impacted by this event.</p> <p>Where does a water droplet go? Drop a water droplet anywhere on this amp and watch what river it goes in to and the journey of the water droplet river-runner-global.samlearner.com</p> <p>Have a look at the long term impacts of this flood at http://thefloods.gloucestershirelive.co.uk/</p> <p>The environment agency floodmap https://check-long-term-flood-risk.service.gov.uk/map?eastings=397001&northing=227456&map=RiversOrSea</p> <p>https://www.bbc.co.uk/bitesize/guides/zx9kfrd/revision/5</p> <p>https://www.tewkesbury.gov.uk/flooding</p>		
<p>Conversation starters:</p> <p>Over the past 100 years, we have experienced more intense and frequent storms, and this will only continue</p> <p>Have you been affected by floods?</p> <p>Why does it flood?</p> <p>Who are the people who help in a flood?</p> <p>Did you live around here in 2007?</p> <p>Will we have more floods in the future?</p>		

No region is safe from flooding.
Even the driest regions on earth can experience flooding

Helpful further reading/discussion

Reading

Flood World by Tom Huddleston
Flood Child by Emily Diamand
Flash Flood by Chris Ryan
Flood by Richard Doyle
Flood by Stephen Baxter
Waterlog, A wild swimmers journey by Roger Deakin
Wild thoughts from wild places by David Quamen
A Long Walk to Water: Based on a True Story by Linda Sue Park
The Wind in the Willows by Kenneth Grahame
Highland River by Neil M Gunn

Vocabulary Lists

Interception
River
Flood
Permeable
Impermeable
Infiltration
Transpiration
Precipitation
Condensation
Surface runoff
Groundwater flow
Groundwater store
Throughflow
Evaporation
Erosion
Transportation
Deposition
Causes (Human, physical)
Effects (Social, Economic, Environmental)
Responses (Short and Long term)

Careers Links

Possible careers; Hydrologists, flood engineer, geologist, environment agency, town planner, emergency services, charity work

Debate on who helps in a flood considers different careers of people who help in a flood.

<https://nationalcareers.service.gov.uk/job-profiles/hydrologist>
<https://www.environmentalscience.org/career/meteorologist>
<https://www.gov.uk/government/organisations/environment-agency/about/recruitment>