



YEAR 7



EXTENDED PROJECT

RIVERS AND FLOODING

Extended Project instructions:

Rivers are a type of *physical geographical* feature. The whole course of a river can be studied, and the features found within it, for example, waterfalls and meanders. Watch the two videos on this page for a quick understanding of the course of a river:
<https://www.bbc.co.uk/bitesize/topics/z849a6f/articles/z7w8pg8>

Flooding can happen when a river overflows and bursts its banks and covers a normally dry area of land with a large amount of water. Flooding can be caused by both *human* factors, such as heavy rainfall and steep hills and *physical* factors, such as building on floodplains and global warming. Read through this page to find out some of the other causes of flooding:

<https://www.bbc.co.uk/bitesize/guides/zgycwmn/revision/1>

Your task is to complete an extended project informing people about rivers and flooding. You can choose to focus your project on either '**Rivers**' or '**Flooding**'.

Option 1: Rivers:

Choose a river from anywhere in the world and include the following:

- What a river is and what the water cycle is
- Where your river is found (location)
- Key facts about your river
- What features are found in your river and explain how they are created e.g. waterfalls/meanders?
- What are some of the uses of your river?

Option 2: Flooding

Choose a river that has flooded and include the following:

- What are some human and physical causes of flooding?
- Key facts about your river and what caused it to flood specifically?
- What impacts did the flood have on the area (social, environmental, economic)
- How can floods be managed?
- Stretch and Challenge: design a flood resistant home

You must complete your project in a report format, using the checklist on page 3 or 4.

This is a project that would take 3-4 weeks to complete so it needs to be of a high-standard and you need to be spending a good amount of time (5-6 hours) on completing the project.

Remember to include information, pictures, graphs and maps to illustrate your points. Use the websites from page 7 to get started.

Option 1: 'Rivers' checklist

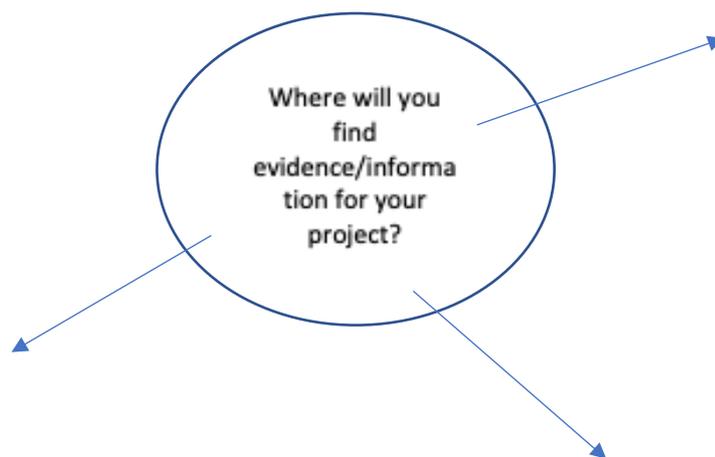
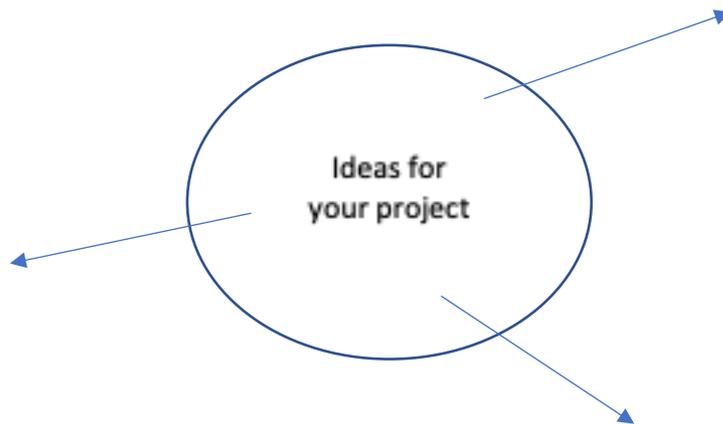
Task	Completed?	Date completed
Use the planning sheet to gather ideas		
Title page (include the title of your project, your name, date and images)		
Contents page (you can add to this as you go)		
Introduction (Describe what your project is about)		
Section 1: What is a river and what is the water cycle?		
Section 2: What river have you chosen and where is your river found? (describe its location and include maps and pictures)		
Section 3: Key facts about your river (include photographs)		
Section 4: Describe the features found in your river and explain how they are created e.g. waterfalls and meanders		
Conclusion: (Sum up what you have found out about your river)		
Bibliography – add links and references of where you gathered your information		

Option 2: 'Flooding' checklist

Task	Completed?	Date completed
Use the planning sheet to gather ideas		
Title page (include the title of your project, your name, date and images)		
Contents page (you can add to this as you go)		
Introduction (Describe what your project is about)		
Section 1: What is a flood and what are some human and physical causes of flooding?		
Section 2: What river have you chosen and where is your river found? (describe its location and include maps and pictures)		
Section 3: Key facts about your river and what caused it to flood specifically (include photographs)		
Section 4: What impacts did the flood have on the area? (social, environmental, economic)		
Section 5: How can floods be managed?		
Conclusion: (Sum up what you have found out about your river)		
Bibliography – add links and references of where you gathered your information		

Planning sheet:

On this sheet you may like to mind map some ideas:



Success Criteria

Praise/Explore	Mark Scheme
	You include all sections of the checklist
	You include definitions of key words
	You describe and explain all of your points
	You use examples and/or facts to add detail
	You include suitable maps, images and figures alongside the written information to support your key points
	You include subheadings and page numbers
	Presentation is neat and SPaG is accurate

Remember:

P: Your teacher will praise your work, explaining to you what you have done well. Pay close attention to them and make sure you repeat the same good things in your next piece of work.

E: Your teacher will ask you at least one question for you to respond to or set an additional task to complete. These are designed to help you improve your work. You will have time in class to answer these questions, showing that you have acted on the advice from your teacher.

Effort

- A The effort you have put into this piece of work is outstanding
- B This is a good piece of work as you have tried hard.
- C You have made an attempt but there is a lot of room for improvement
- D This work is unacceptable as you have put very little effort into it. Your teacher may ask you to redo this work.

Useful websites to help:

Rivers and flooding:

<https://www.bbc.co.uk/bitesize/guides/zgycwmn/revision/1>

Rivers:

<https://www.nationalgeographic.org/encyclopedia/river/>

[https://www.rgs.org/schools/teaching-resources/rivers-\(1\)/](https://www.rgs.org/schools/teaching-resources/rivers-(1)/)

Floods:

<https://www.nationalgeographic.org/encyclopedia/flood/>

The water cycle:

<https://www.bbc.co.uk/bitesize/topics/zkqg87h/articles/z3wpp39>

<https://www.metoffice.gov.uk/weather/learn-about/weather/how-weather-works/water-cycle>

Causes of flooding:

<https://www.natgeokids.com/uk/discover/geography/physical-geography/causes-of-floods/>

Famous rivers:

<https://www.foxnews.com/travel/12-most-iconic-rivers-on-earth>

<https://www.lonelyplanet.com/articles/journeys-down-the-worlds-longest-rivers>