

Year 7 Rivers Project

Department: Geography

Start Date: 29th October

Due Date: 12th November

Project objectives:

- To be able to carry out independent research
- To be able to apply geographical knowledge and understanding to a case study example

How work can be presented:

- Book (with separate chapters for each week's homework)
- Model
- PowerPoint
- Video clip
- Website



Please remember that Geography staff are available to help after school throughout this project should you need any help. After school Homework club in the Library is also available to all students.

Please remember that this is a research project and as such will develop your independent learning skills. If you feel you would like some extra guidance on the case studies, your geography teacher will have some paper resources which will help, however, you are responsible for talking to your teacher and collecting these.

Each project section is broken into task; it is highly recommended that you complete a task per day for the 10-day duration of the project. Working towards grades are provided for each task to give an example of the challenge set.

Daily Task	Task Outline	Challenge Tasks <i>(Not essential but great fun!)</i>
1 30 Minutes WT Grade 3	Rivers in the UK Create a map locating the main rivers which can be found in the UK. Each river should be carefully located and labelled with its name.	Add detail to your map by adding images and facts about a selection of rivers. These should be used to annotate your map.
2 30 Minutes WT Grade 4/5	The upper course of the river You must choose one river which you located on your map. You are to draw the main features (physical) found in the upper course of this river. You must also explain their formation. (THINK – waterfalls, gorges, springs, interlocking spurs)	How is this section of the river used by humans? Consider the impacts of this on the river.
3 30 Minutes WT Grade 4/5	The middle course of the river You must choose one river which you located on your map. You are to draw the main features (physical) found in the middle course of this river. You must also explain their formation. (THINK – meanders, ox-bow lakes, flood plains)	How is this section of the river used by humans? Consider the impact of this on the river.
4 30 Minutes WT Grade 4/5	The lower course of the river You must choose one river which you located on your map. You are to draw the main features (physical) found in the lower course of this river. You must also explain their formation. (THINK – deltas, mud flats, estuaries)	How is this section of the river used by humans? Consider the impact of this on the river.
5 and 6 60 Minutes WT Grade 6	What problems do rivers pose? One main problem posed by rivers is flooding. Research a flood which has occurred on your chosen river and create a case study on it. This should include: Date(s) of the event(s) Location on the river Causes of the flood Impacts (social, economic and environmental) Responses to the flood	Choose a second flooding case study (either within the UK or a different country) and make comparisons to your original case study example. (Consider: Why are there the similarities and differences noted?)
7 and 8 60 Minutes WT Grade 7	How do we protect against river flooding? Research how rivers can be managed to prevent flooding (see this link from the BBC for initial ideas). Create a 'how to guide' of the different strategies that can be used to prevent flooding or limit a flood has. Consider prevention and protection strategies.	Evaluate the advantages and disadvantages of each of these strategies and come to a conclusion on which you feel is the most and least successful

<p>9 30 Minutes WT Grade 8</p>	<p>Evaluation of management Judge how effective flood management has been along your river in the past – what methods have been used? Have those methods been effective or have they caused further problems?</p>
<p>10 30 Minutes WT Grade 9</p>	<p>Solutions for the future Put together a list of ways to reduce future impacts of flooding on your case study river. Can you explain why you think these strategies might work?</p>

Compare the management of your river to another river somewhere else in the world – is it better or worse?

Link this to strategies which have already been put in place, and are considered successful, in other locations (wither within the UK or a different country)

Useful Key Terms:

You should use these terms in your work

Upper course, Middle course, Lower course, River Flood, Source, Waterfall, Rapids, Meander, Ox-Bow Lake, Estuary, Delta, Erosion, Transportation, Deposition

Helpful sites:

BBC Bitesize

<https://www.bbc.com/bitesize/guides/zkrdmp3/revision/1>

UK Rivers (Primary support website)

<http://primaryhomeworkhelp.co.uk/rivers/UK.htm>

The British Geographer – Floods and River Management

<http://thebritishgeographer.weebly.com/floods-and-river-management.html>

