

## Year 8– Rivers

### 1. **Identifying**

What processes take place on coasts and in rivers, complete a double bubble to show similarities and differences.

### 2. **Interpreting**

Using a UK based river, use photographs and river profiles to show how the rivers shape, features and uses change as you move from source (where it starts) to mouth (where it joins the sea).

Suggestions: River Thames, River Tees, River Severn

*(Hint: Use images to help you and thinking maps to show work)*

### 3. **Reading**

Using news items from 2015 to today, how has the UK been affected by river flooding? What were the causes and effects of such events. You MUST use evidence!

### 4. **Investigate (research)**

China's 3 gorges dam is the largest in the world, complete the research task using the following questions:

- What is the 3 gorges dam, when was it built and why?
- What are the main features of the dam?
- What are the advantages of the dam?
- What are the disadvantages of the dam?
- What do the Szechuan Earthquake of 2008 and the 3 gorges dam have in common?
- What happened to the towns and cities in the new reservoir zone?

*(Don't forget to use your thinking hats with this one!)*

### 5. **Create**

Choose a river in a HIC (Mississippi or Colorado) and compare to a river in an LIC (Ganges, Meghna, and Brahmaputra).

Produce a map show the two rivers and comparing statistics of the rivers

- Length, volume, location, countries

Create two fact files to compare each river:

- Uses of the rivers
- How does climate influence the rivers throughout the year
- Does the river flood and is so how often and how severe?
- What is built along the edges of the rivers (compare the houses)
- Visitor attractions or tourism?

You should use annotated photos to help you do this.

### 6. **Watch and evaluate**

Human Planet: Rivers, Friend or Foe

Available online through various providers.

Using thinking tools, gather information on the way different people around the world use rivers – you must include the different locations, different uses and different dangers. What is life like for these people and what threats do they face in the future?

### 7. **Educate and share**

How might river and coastal environments change in the future? Produce an information poster (or infographic) to show the following:

- How are rivers and coasts used today?
- What are the environmental, social and economic impacts of the rivers and coasts environment in the UK? (Can be positive or negative)
- What are the threats to rivers and coastal environments in the future? Why?
- What can be done about it?

*(You can produce this online using free infographic makers or using paper!*

*Remember to check out what an infographic is and how it works. Small bites of information!)*