

**Year 8**

**Name:**

**Teacher:**

**Title: Where should the new multi-million pound dam be built?**

**Task 1: Read through the information on the three different places where a dam could be built**

**Task 2: Fill in the table to show the positives and negatives of building on a dam for the three locations**

|                  | <u>Paraguay River – Paraguay</u> | <u>Thames River – UK</u> | <u>Colorado River – USA</u> |
|------------------|----------------------------------|--------------------------|-----------------------------|
| <b>Positives</b> |                                  |                          |                             |
| <b>Negatives</b> |                                  |                          |                             |



## Paraguay River – Paraguay



### Location:

- The Paraguay River is a major river in south-central South America, running through Brazil, Bolivia, Paraguay and Argentina. It flows about 2,621 kilometres (1,629 mi)[2] from its headwaters in the Brazilian state of Mato Grosso to its confluence with the Paraná River north of Corrientes and Resistencia.
- Lots of farm land and agriculture.
- Lots of wide flat areas.

### Population:

- Relatively low population in areas along the river – higher population further inland.

### General information:

- Important for transportation in the area (connects Argentina, Bolivia, Brazil, Paraguay)
- Water levels are low from March to October currently which limits transit
- Water from river exits into Atlantic Ocean
- The Paraguay is subject for much of its length to seasonal flooding, which has considerable effect on the flow of the lower Paraná.
- Marine ecosystems and wildlife to consider.
- Good soil quality.

## Thames River – UK



### Location:

- The Thames flows through Central London and provides a stunning backdrop to many of the city's top tourist attractions. The Thames is a tidal river, rising and falling as much as 8m (26ft) between high and low tides
- No farm land in this area
- Wide flat areas are densely populated with buildings and people

### Population

- Very highly populated.
- Large population of tourists use the river regularly for leisure purposes.

### General information:

- Although it was once the source of London's "Great Stink" (1858), today the Thames is one of the cleanest rivers in Europe.
- No safe disposal of excess water in this area
- Bridges feature along a lot of the river
- Poor soil quality for use of construction and agriculture

## Colorado River – USA



### Location:

- The Colorado River runs through the steep sided Grand Canyon in the United States. The Colorado River established its course through the area about 5 to 6 million years ago.
- No farm land in this immediate area
- High steep sided valley – not many flat/wide areas.

### Population:

- Medium population- mainly Native American tribes.
- Abundance of wildlife

### General information:

- Tourism is a big asset to this area due to its beautiful scenery.
- Nowhere to dispose of excess water safely
- For thousands of years, the area has been continuously inhabited by Native Americans, who built settlements within the canyon and its many caves.
- Rocky landscapes– not high quality soil/ground
- Potentially big catchment area but would depend on lots of rain.