



Geography Upper KS2 - Information for Teachers

National Curriculum link:

Name and locate geographical regions and their identifying human and physical characteristics, key topographical features (including rivers), and understand how some of these aspects have changed over time.

Describe and understand key aspects of:

- Physical geography, including: rivers, and the water cycle.
- Human geography, including: energy, minerals and water.
- Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps.

Activities:

1) Trail (to be used as children go around the park):

- * Children spot key landmarks in the park relating to rivers such as the stream, weir, viaduct and Petrifying Well.
- * Children identify the Petrifying Well platform susceptible to flooding. They then discuss how flooding is caused and what makes flash floods particularly dangerous.
- * The process of petrification is explained.
- * The formation of the cave is explained linking to the mineral deposits built up over thousands of years to create an overhang which eventually collapsed to form the cave.
- * Children finally map the park and the key landmarks for members of the public as they walk through.

2) Power point presentation:

The presentation can be used as a follow-on activity back in the classroom as children:

- ✓ Revisit landmarks spotted.
- ✓ Look at renewable energy- wind, solar and hydro-power (video BBC: <https://www.bbc.co.uk/programmes/p011t2n1>) linking this to the weir.
- ✓ Create their own water wheel using different materials and test.
- ✓ Study flooding in more detail and understand how flash floods are caused.
- ✓ Watch video of flooding: <https://www.youtube.com/watch?v=nup5oYJo26w>

Mother Shipton's

- ✓ Create their own flooding prevention method to prevent flooding of the Petrifying Well platform and houses along the river Nidd.

Resources needed:

- *Pencils*
- *Rubbers*
- *Resources to create water wheels (see power point)*