



## Upland Visits

**Date:** 15<sup>th</sup> July 2019

**Where?**

Horton Kirby Environmental Centre

**Curriculum Intent and Implementation**

River study skills on the River Darent.

**Who?**

87 Year 4 Pupils

**Build on personal attributes:** teamwork, independence and confidence and personal safety.



**Curriculum Impact:**

The children were taken to the Horton Kirby Environmental centre to learn about the River Darent. They had been studying the river as part of their Topic work this term and had researched the rivers course and villages along its path. This trip allowed the children to apply some practical skills to their research.

After a quick explanation about the day, the children walked down to two different parts of the river – one a straight section of the river and the other on a meander. The children took 9 readings across the width of the river to find out the flow speed across the different parts of the river. Using rubber ducks, they were able to measure the time it took for the river to flow 10 metres. They then measured the depth of the river at 1 metre intervals to get a cross section of its depth.

After returning to the centre, the children learned about permeable and impermeable rocks and how the river basin for the Darent has a lot of chalk (permeable rock) which was why the water was so clear. The children investigated different types of rock to see which ones were permeable and which were not. They then used mud trays to make small river models. They made small channels to mimic a river and used some lego blocks as river management tools to direct the flow of the river to where they wanted it to go.

**Pupil Views**

“I really enjoyed the river part.”

“I liked measuring the river using the ducks.”

“I found out how the river is different at different places because of how deep it is and the rocks around it.”