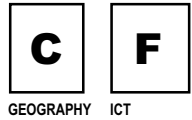


ICT ACTIVITY 19

*Geography Fieldwork River Study
incorporating the use of ICT.*

Year Group: Year 8



Resources

Digital camera, metre ruler, measuring tape, worksheets, orange peel, stop watch, computer and AppleWorks (spreadsheet and word processing).

Context (Pupils' prior experience)

Pupils will have previous experience of working on "Channel Dynamics" and exploring the shapes and depths of rivers, and the velocity of the water, in straight sections and meanders. Pupils will also have had some previous experience of creating simple charts from data using a spreadsheet.

Task Description

To collect, record and analyse data from the River Ravensbourne and write up the results. Lesson 1) introduction to fieldwork; 2) fieldwork activities at River Ravensbourne; 3) analysing the results in the classroom; 4) using ICT to create charts and write a report.

Learning Intentions

Geography: Knowledge and Understanding	ICT: Skills, Knowledge and Understanding	ICT Level		
		KS1	KS2	KS3
Collect and record information. Talk about the data collected and draw simple conclusions.	Enter data into a spreadsheet and create simple charts.	w/1	2/3	4/5
Collect, record and present evidence of findings. Analyse and evaluate evidence.	Enter data into a spreadsheet. Analyse data using charts and spreadsheet formulae.	1/2	3/4	5/6
Collect, record and present evidence of findings. Analyse and evaluate evidence and draw and justify conclusions.	Enter data into a spreadsheet. Analyse data using charts and spreadsheet formulae. Develop, refine and present data to enhance their quality.	2/3	4/5	6/7
Geography POS related to task: 1a, 1b, 1c, 1d, 2a, 2d, 3a, 3b.	ICT POS related to task: 2c, 4a, 4b, 4c.			

Teaching Approach

Whole class introduction to fieldwork and the techniques used. Mixed ability groups/pairs to collect information at the riverside. Paired work on using a spreadsheet to enter and analyse data. Whole class plenary about what has been learned from fieldwork and the use of ICT.

Links with other curriculum areas

Literacy: writing a report.

Numeracy: Handling data - Links with the NNS Yearly Teaching Program, Yr 8, 250 -1, 262 - 7 and 268 - 73.

Subject Learning Gains (Geography)

Using spreadsheets to create charts meant that pupils had lots of opportunity to experiment with different charts easily, until they found the most appropriate one to represent their data. Writing up their work into a word processed report meant they spent longer reflecting during the fieldwork activity.

