Stream Study KS3

Stream Study – whole day
Students will first visit a small stream close to Suntrap to observe and establish important vocabulary e.g. tributary, confluence, meander, current, valley, channel etc.
Students will then collect data from up to three sites moving downstream to enable them to draw cross-sectional profiles of the stream along its length. Other data collected will include speed, channel measurements and valley and bed angle.

Learning Objectives
Students will learn:

- to investigate the patterns and processes of river and valley shape and formation
- to draw simple cross-profiles
- to use an extended vocabulary
- to ask geographical questions
- to select and use appropriate fieldwork techniques and instruments
- to apply enquiry and investigation skills in the field
- to consider the risks and how to reduce it

Some suggestions for visit follow up

1. Drawing cross sectional profiles using the data collected.
2. Use the internet to research the geology of the area and suggest how this might affect the river.

National Curriculum Links

GEOGRAPHY
1. Key concepts
1.5 Physical and human processes
a. Understanding how sequences of events and activities in the physical world leads to change in places and landscapes.
2. Key processes
2.1 Geographical enquiry
a. ask geographical questions, thinking critically, constructively and creatively
b. collect, record and display information
d. analyse and evaluate evidence, presenting findings to draw and justify conclusions
e. find creative ways of using and applying geographical skills and understanding to create new interpretations of place and space
2.2 Fieldwork and out-of-class learning
a. select and use fieldwork tools and techniques appropriately, safely and efficiently.
2.4 Geographical communication
a. communicate their knowledge and understanding using geographical vocabulary and conventions in both speech and writing.
4. Curriculum opportunities
e. undertake fieldwork investigations in different locations outside the classroom, individually and as part of a team

EVENT SPECIFIC RISK ASSESSMENT

Visit details: **Stream study KS3** Carried out by Suntrap Forest Education Centre Date: February 2013

ISSUE List significant hazards which may result in serious harm or affect several people.	**HOW TO MANAGE IT** What procedures will we have? (Control measures)	**Who to inform**
Getting lost & stranger danger	Never work alone	Pu
	Stay within area designated by Suntrap staff	Pu
Water-borne diseases	Wear gloves when immersing hands into water	Pu & s
	Those with skin conditions, cuts or allergies wear appropriate protection	Pu & s
	Wash hands at the end of the activity	Pu, S, Pa
Inclement weather	Wear appropriate clothing & footwear (cancellation if necessary)	Pu
Trip/slip/fall/injury	Do not run	Pu
	All Suntrap staff to carry first aid kit	S
Road safety	Walk along road in single file	Pu, S
	Cross road using a “Suntrap line”	Pu, S
Falling into water	Care needed upon leaving & entering water bodies	Pu, S, Pa
	Avoid bank full & flood conditions	Suntrap staff

You must also ensure that appropriate persons are aware of any Generic procedures, but the4se do not need to be repeated here. **S-Staff Pu-Pupils Pa-Parent**

The activity must only take place if the residual risk following implementation of control measures is deemed to be “low”.