

Stream Study

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

Human and physical geography

- understand, through the use of detailed place-based exemplars at a variety of scales, the key processes in:
 - physical geography relating to: hydrology
 - understand how human and physical processes interact to influence, and change landscapes & environments

Geographical skills and fieldwork

- use fieldwork in contrasting locations to collect, analyse and draw conclusions from geographical data, using multiple sources of increasingly complex information.





EVENT SPECIFIC RISK ASSESSMENT



Visit details: Stream Study

Carried out by: Suntrap Centre

Date: Jan 2019

Issue	How to manage it
Understanding/behaviour	Class teacher to advise Suntrap staff of any students who may need extra support out in the forest to help them to follow instructions. School to ensure that there is appropriate adult: student ratios as required.
Medical conditions	It is school's staff responsibility to ensure they bring and administer medication needed for any particular student. Suntrap staff to check that school staff brings medication out into the forest. All adults to be made aware of any medical conditions. Suntrap staff will carry a first aid kit.
Getting lost	Keep within sight of teacher/adult & observe boundaries as directed by the staff.
Choking/Poisoning	No eating outside unless directly instructed by Suntrap staff.
Falling branches	During extreme weather conditions Suntrap staff will make an assessment to ensure it is safe to enter the forest.
Injury from horses/dogs or bikes	Group to be instructed to stand to the side, be quiet and still when horses, dogs or bikes are near.
Accident when crossing the road	Group to be instructed on follow safe procedures for crossing roads (Suntrap Line). No one to walk across the cattle grid.
Injury through falling & throwing	Climbing of trees and throwing sticks/stones prohibited.
Getting wet/cold	Clothing should be appropriate for weather conditions. i.e hat, coat and gloves. Wellies should be worn when walking through stream.
Soil/water borne disease	students instructed not to put fingers in mouth during/after activities which include handling soil, stream water and sticks. Hands should be washed with warm soapy water before eating lunch/snack.
Slipping on stream banks	Students instructed to take care on wet stream banks, appropriate footwear (wellies) should be worn.