

### Opportunities for Greater Depth/Challenge

Electrical consumption calculator to work out consumption for day/week/month/year

Create a scale map showing the land use around the Amazon/Andes

Investigate how to make the helicopter take off and how much weight can be carried

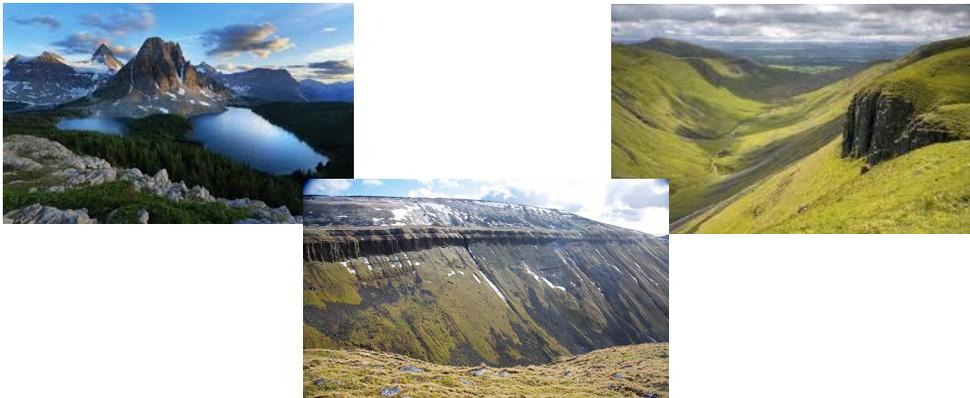
### TASC wheel/Blooms questions/Opportunities for Mantle of the Expert

TASC wheel: Design and make a gadget to use in the rainforest

(test, plan, build, evaluate)

TASC wheel: Natural sculptures (reproduce, interpret, sketch, critique)

Mantle of the Expert: The mountain rescue team have a long history and a wealth of experience working in very dangerous environments and weather conditions. They have to rescue a lone climber who has been injured in a fall.



### Outcomes and Impact

# MOUNTAIN HIGH



Spring 2

### Overview

**A study of the similarities and differences between North East England and South America, focussing on hills, mountains, land-use patterns and changes over time**

Eng

Writing to persuade—design a gadget

Adverts, letters to persuade, speeches

Maths

Measures: temperature, capacity, length/distances, weight

Scale drawings

Flow diagram why a circuit doesn't work

Data from electricity bills

Computing

Simulations and modelling—asking and answering 'What if?' questions linked to science electricity unit.

Using spreadsheets to compile data about South America.

History

- Machu Picchu and the Inca's



Geography

- Investigate the Andes
- Compare land-use in South America and North East England
- Look at climates and how this has an effect on land use
- Understand how the areas have changed over time



Science

**4/3.1 States of matter**

Where did the water come from?  
Where does rain come from?  
Why does it snow?  
How does a thermometer work?



Design Technology

Design and make a gadget to use in the rainforest.

Art

Art 2.1, 2.2, 2.3

- Sculptures using natural materials
- Work in the style of Andy Goldsworthy

Music

Mu 2.1, 2.2, 2.3

- Looking for patterns in music
- Handbells and Glockenspiels



RE

Christianity and the Easter Story.

Is it always possible to forgive?

PSHE & Citizenship

Good to be me.

PE

Basketball

Visitors/Visits

Language

appliances, electricity, circuit, cell, wire, bulb, buzzer, switch, conductors, insulators, hills, mountains, rocks, land-use, urban, rural, settlements, farming, survey, key, sketch maps, climates, change over time, decades, years, months