

# MONITORING STATIONS

## - GRAPHING -



**CURRICULUM AREA:** Mathematics/Society & Environment

**TARGET YEAR LEVEL/S:** Years 6 – 7

**CLASS TIME:** 40 minutes periods over the course of the expedition

### LESSON BACKGROUND

Students will explore different types of graphing techniques as they monitor the progress and conditions of Chris & Clark's journey.

### OUTCOMES

- Students plan and undertake data collection and organise, summarise and represent data for effective and valid interpretation and communication.

### PREPARATION

- Prior knowledge of how to complete LINE GRAPHS
- Prior knowledge of how to complete CLIMATE GRAPHS
- Graph Paper
- Access to the iiNet 1000 Hour Day expedition's location monitoring - [www.1000hourday.com](http://www.1000hourday.com) – Position section

### STUDENT ACTIVITY

- 1) What a CLIMATE graph entails - a BAR graph joined with a LINE graph on the same grid. The bar graph is used to detail the precipitation, and the line graph details the temperature. Students graph, as C&C post their updates, the temperature and precipitation as they continue through their journey.
- 2) While monitoring the journey, each checkmark that C&C leave on their location monitoring page, students LINE GRAPH the Altitude of each location (which is available from Google Earth). Once completed, students will be able to see first hand a CROSS SECTION of the land journey C&C took.

### EXTENSION

- Once getting the information of journey's cross-section, students can model using CLAY a visual representation of the cross-section.