

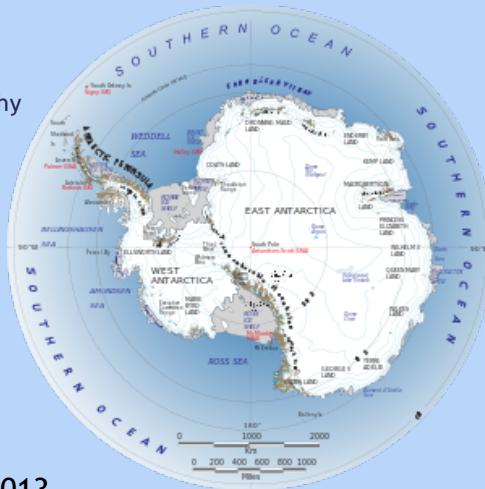
## Aim of the Project

The aim of the project is to allow students to engage with the progress of the main expedition and to be inspired by the landscape, environment and research in Antarctica. We are aiming to conduct research of our own in parallel with the official expedition. We hope to receive information from the project that will enable our students to analyse groundbreaking scientific data at the forefront of cutting-edge science. We will be undertaking projects under the expedition's four research objectives. These wide-ranging headings allow for cross-curricular links between the expedition and many departments within the school and the students will have the opportunity to engage in activities from art projects to nutrition challenges and from digital mapping to chemical analysis. We will be documenting our work in a regular journal for pupils and parents.

## Contributors:

Mr R Pletts, Head of Geography

Mr P Davis, Head of Biology



## Next Session

Monday 4<sup>th</sup> February 2013  
3.35 - 5.00pm Room 40

### Introduction to Project 1: Mapping the Antarctic

Sutton Grammar School  
Manor Lane  
Sutton, Surrey SM1 4AS

[www.suttongrammar.sutton.sch.uk](http://www.suttongrammar.sutton.sch.uk)

@SGSgeography on Twitter and SGSgeography Channel on YouTube for updates



# Session 1

## Introduction to the Coldest Journey

Sutton Grammar School Presents:

## Coldest Journey Club

Monday 28<sup>th</sup> January 2013

# Background

## Coldest Journey Expedition [www.thecoldestjourney.org](http://www.thecoldestjourney.org)

Crossing the Antarctic during winter will provide a unique opportunity to collect key scientific data to further our understanding of the effects of climate change, and advance other important areas of research.

During the traverse, the expedition team will carry out a number of important tests which will include mapping the height of the landmass using new GPS techniques, sampling surface snow to establish patterns of large-scale atmospheric transport of water vapour across the ice sheet, and sampling for cryo-bacteria capable of withstanding the extreme cold conditions.

## Sutton Grammar Club Related Aim for this week

### Objectives:

- to put together a team and organize the upcoming activities.
- to create a biography wall of the team
- to discuss how the team's findings will be publicized to school, parent and wider community including expedition team

## Produced by SGS Coldest Journey Club

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# Session Plan

## Introduction to Expedition

We will be looking at what the plans are for the official expedition led by Sir Ranulph Fiennes and discussing how the Sutton Grammar Project will run alongside this both in the club and in regular subject lessons.

## Team Roles and Project Planning

We will be allocating roles to members of the group and planning will begin as to how we will research similar topics to that of the expedition out in Antarctica. We will also look at how these various projects fit into a timetable between January and September.

## Team Biographies

We will be producing our own team biographies (once we have allocated roles to members of the team) as the real expedition team have done here -

<http://www.thecoldestjourney.org/home/expedition/biographies/>

## Expedition Latest Progress

*The team is currently moored in Crown Bay, Antarctica offloading equipment in preparation for the start of the crossing on 21<sup>st</sup> March 2013*

*Photo, right © The Coldest Journey*

