

SEVEN SISTERS SCHOOLS PROGRAMMES

AS/A2 GEOGRAPHY PROGRAMME

The Seven Sisters Country Park together with Friston Forest are ideal locations for teaching relevant sections of the Geography A level syllabus. Each of the days can be tailored to meet the needs of your exam board specifications.

- **Coastal Geomorphology** (*full day*)

Investigating the deposition of beach material and berm formation.

Students consider the geomorphology of the area before focusing on the distribution of beach material that makes up the various berms. The investigation consists of the collection of beach profile data (gradient, length and height) and clast analysis using the Powers index and the Cailleux index). Back at the pump barn students are taught how to use the t-test to analyse their data.

- **Woodland management** (*full day*)

Students consider all aspects of woodland management as they walk towards the main study sites. Within the forest certain areas have been cleared to form glades. Students will examine what effect the extra light reaching the forest floor has on determining the plants and animals found there. Sampling strategies such as belt transects and the use of quadrats will be discussed. Data analysis could include the Mann Whitney U test or Spearman's rank test.

- **Seven Sisters Country Park tourism and management** (*half day*)

Students are taken on a guided tour of the Seven Sisters Country Park and are asked to consider the management issues and conflicts at various sites such as the promotion of the site without increasing car traffic. The present management structure and funding for the park together with future schemes such as the valley restoration project are also covered. Data is available on visitor numbers that the students could use for their own analysis. The final part of the walk takes in Friston Forest to look at how the plantation has been adapted for leisure purposes. There is an opportunity at the end of the walk for students to ask a ranger specific questions about management issues.

- **Soils and vegetation** (*full day*)

After a full introduction to soil formation and identification students examine soils under various types of vegetation. Soil augers are used by the students to extract soil profiles. Parts of the profile are identified and tested for texture, colour and pH.

- **Individual projects** (*full day*)

Equipment and support are provided to enable students to carry out individual field based projects.