



MUSEUM OF THE HISTORY OF SCIENCE

education

Supporting teaching and learning across the curriculum

'Small Worlds' KS4 Study Day at the Museum of the History of Science Thursday 12th February 2009

A day of workshop sessions in conjunction with the Oxford University Museum of Natural History and the Botanic Garden on themes related to the natural world from microscopy to the ethics of collecting – all this on **Darwin's birthday!** Suitable for students studying for double or single award science subjects aiming for higher tier level.

There are three different locations for the workshops: The Museum of the History of Science (**MHS**), The Oxford University Museum of Natural History (**OUM**), and the University Botanic Garden.

Programme

- 10.00 -11.00 – Introduction and Session 1
- 11.15 -12.15 – Session 2
- 12.15 -1.00 – Lunch break
- 1.00 -2.00 – Session 3
- 2.15 -2.45 – Plenary session and tribute to Darwin

*Booking Now
Free of Charge*

For the first three sessions, groups rotate between the following activities:

A: A strange new pursuit: Microscopy in the Seventeenth Century [at MHS] **Christopher Parkin, Museum of the History of Science, University of Oxford**

A workshop on the history of microscopy highlighting its origins in the seventeenth century in which it brought a new vision to natural philosophy. We will look at some of the original instruments and Robert Hooke's extraordinary book, *Micrographia*, published in 1665.

B: A Victorian Naturalist visits the Botanic Garden [at Botanic Garden] **Sarah Lloyd, The Oxford University Botanic Garden**

A session at The Botanic Garden focussing on the practice of drawing and observation with the microscope, and its use in the study of botanical specimens. This will highlight the popularisation of microscopy and the role of travel and botanical exploration during the Victorian era.

C: Critical Seminar: The Ethics of Collecting [at OUM] **Chris Jarvis, Oxford University Museum of Natural History**

This session will involve small group discussion guided by a facilitator, focussing on key questions relating to the ethics of collecting plants and animals from around the world. The discussion may touch on historical themes such as the influence of trade and colonialism, as well as current themes relating to biodiversity and sustainability.

Plenary Session [Top Gallery, MHS]

This will provide an opportunity for groups to share findings and conclusions from the seminar sessions by presenting them to the whole group. Also, a short birthday tribute to Darwin!

For booking and further information contact the Education Officer:

Chris Parkin

christopher.parkin@mhs.ox.ac.uk Tel: 01865 277297

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MUSEUM OF THE HISTORY OF SCIENCE Broad Street, Oxford OX1 3AZ