

TUESDAY 21ST NOVEMBER 2017, CRANLEIGH SCHOOL

This course is designed to provide guidance and support to teachers who wish to use the EPQ as a means of encouraging their students to branch into scientific investigative research. The EPQ offers many opportunities for students to engage in their own investigations, using primary data that they have collected themselves, or published but unanalysed data sets. However, teachers and students are often unsure about how to utilize this opportunity and to cope with the demands of supervising scientific investigations, and managing apparatus requirements.

The aim of the day is to bring together teachers looking to develop and support EPQ work in this area. No prior knowledge or experience is assumed; the day will include an overview of EPQ in general and how best to support student research projects, as well as exploring opportunities for developing scientific investigations with students.

EPSILON is the Extended Project Scientific Investigation, Liaison and Outreach Network. The Network exists to bring together schools seeking to use the EPQ for the purposes of developing their students' skills in scientific investigation. The Network aims to provide training support and a forum for EPQ science supervisors to share ideas. This training course is intended to help develop and extend the range of schools that wish to participate in EPSILON.

The course leaders are highly experienced science educators with expertise in all aspects of EPQ support as well as support of student scientific research projects.

Charles Barclay is Director of Extended Project and Director of the Blackett Observatory at Marlborough College. He is currently Vice President (A) of the Royal Astronomical Society. He is an academic visitor in the Astrophysics sub-department and Fellow of Green Templeton College at Oxford. He has been chair of examiners for GCSE Astronomy since 2009 and involved in the EPQ since its inception.

Dr Elizabeth Swinbank is an Honorary Fellow in Science Education at the University of York where she has worked on a number of science curriculum projects including the original Perspectives on Science EPQ Designed Programme. She is actively involved in promoting and supporting the EPQ, with a particular interest science-based projects.

Dr John Taylor is an Assistant Head (Director of Learning Teaching and Innovation) and leads the Extended Project and Higher Project at Cranleigh School. He was a co-developer of the original Perspectives on Science EPQ Designed Programme. For many years he has been working to support EPQ students and teachers in a variety of contexts, including EPQ teacher training and online and written resource production.



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PROGRAMME

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| 09.45 | Registration including tea and coffee |
| 10.15 | Welcome, overview of the course and aims of the day |
| 10.30 | Implementation Issues <ul style="list-style-type: none">- The value of project work- An overview of the EPQ- Models for timetabling- Staffing and technical issues- Initial teachins: skills and ideas for investigative work |
| 11.30 | Coffee |
| 11.40 | Project Skills Development <ul style="list-style-type: none">- Managing scientific investigations in the classroom- Developing research and technical skills- Encouraging scientific thinking- Exploring resources and support |
| 13.00 | Lunch |
| 14.00 | Successful Mentoring <ul style="list-style-type: none">- Running a pilot project- Managing the choice of titles- A model for project structure- Mentoring: tips and pitfalls |
| 15.00 | Plenary Discussion |
| 15.15 | Close |

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BOOKING FORM

Fee per delegate: £200 + VAT = £240.00

Numbers are limited so please apply early to avoid disappointment

Tickets can be purchased on line via our website:

www.cranleigh.org/tickets or www.ticketsource.co.uk/date/397840

Alternatively, please complete this form and return to Enterprise Office, Cranleigh School, Horseshoe Lane, Cranleigh, Surrey GU6 8QQ along with a cheque made payable to 'Cranleigh Enterprises Ltd'.

Attendees:

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Job Title/ Description:

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Institution:

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Contact Address:

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Tel no:

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Email Address (essential):

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Special Dietary Requirements:

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Please direct any queries to 01483 542086 or conferences@cranleigh.org