



# POLYMER STUDY TOURS 2017

**Bringing the Curriculum to Life**

Edinburgh 18 to 21 June / London 25 to 28 June / Manchester 02 to 05 July  
(general) (D&T focus) (Science focus)

4 day residential course for 11-19 teachers of science and design technology

**FREE** to attend and bursary of up to £200 towards travel or cover

Edinburgh Napier  
UNIVERSITY



MANCHESTER  
1824  
The University of Manchester

LONDON  
metropolitan  
university



**BPF**  
British Plastics Federation

IOM3  
**PD**  
APPROVED

**Iom<sup>3</sup>**  
The Institute of Materials,  
Minerals and Mining

# COURSE OVERVIEW



These four day residential courses are designed to provide teachers with case studies that they can use in contextual teaching of both science and design technology. They bring together teachers from both disciplines so that you have the opportunity to meet in an informal environment to exchange views on the teaching of this cross curricular subject.



They are designed to improve your knowledge and understanding of the aspects of the curriculum relating to polymers in order to encourage more confident teaching and raise achievement. The courses provide valuable teaching resources relating to the curriculum and promote the knowledge of polymers and their importance to the quality of everyday life and therefore enhance the image of plastics and the plastics industry in the eyes of future consumers.



The course gives you the unique opportunity to visit major plastics processing companies and to attend lectures and discussions with leading figures from industry and academia. There are sessions in the laboratories where you can operate machines to make and collect samples to take back to school and use test equipment.

The Tours have been approved for Professional Development by

the Institute of Materials and Mining and teachers who complete the course will receive a Certificate of Attendance for their portfolio.

These courses were initiated by the Worshipful Company of Horners in 1987 and they are still the major sponsor. The BPF (British Plastics Federation), the leading voice in the UK plastics industry are also strong supporters of the Tours.

Although the running costs work out at around £850 per person the course is FREE to attend and we are able to offer all delegates a bursary of up to £200 towards travel or cover costs.

The Horners' Educational Trust and generous sponsorship by companies and organisations provide all the necessary funding. All we ask for is a £50 booking deposit to secure your place. This is refunded after you have attended the course.

In 2016 the Tours were sponsored by: BPF Polymer Distributors and Compounders Group, Advanced Insulations PLC, BPF Vinyls Group, Distrupol Ltd., Manchester Polymer Group, RPC Containers Ltd, Scottish Plastics and Rubber Association, AkzoNoble, Aliaxis, BASF PLC, BPF Energy Limited, BPF Pipes Group, British Polythene Industries PLC, Covestro, Gabriel Chemie, Ineos Europe, Negri Bossi, Nuplex, Sumitomo (SHI) Demag Plastics Machinery (UK) Ltd., Tangram Technology, Victrex Polymer Solutions.



# TYPICAL PROGRAMME

## **Day 1 Starts Sunday afternoon to allow travel to the venue**

- Introduction to the course and plastics industry
- Education support from the Institute of Materials Minerals and Mining
- Dinner followed by an informal ice-breaker event

## **Day 2**

- Lectures on Polymer Materials and Applications
- Workshop in the labs including hands-on processing and testing
- Dinner with guest lecture from local industrialist or academic

## **Day 3**

- Industrial visits to local plastics processing companies
- Course dinner with short speech by an Officer from the Worshipful Company of Horners

## **Day 4 Course closes by 16:00 allowing for travel arrangements**

- Practical on polymer identification and testing
- Lectures on History and Design of Polymer Products, Sustainable Environment, Polymer Industry and Support for Schools
- Final session – evaluation, development and improvement

The courses are closely linked to the science and design technology curriculum and provide real life contexts for your teaching.

A USB memory stick of course materials and additional literature to increase your knowledge further is provided after the course on receipt of a letter of thanks to your sponsor.

## **Comments from teachers**

“““

I have been involved in education for over 15 years and this has been the most valuable CPD that I have ever experienced. I am confident my new knowledge and passion for plastics will benefit my students' achievements.

“““

The course was extremely well put together, with excellent speakers and plenty of opportunity to ask questions; I will certainly be recommending the Polymer Study Tours to science teachers I know around the country

“““

It was a fantastic opportunity to spend time with like-minded people and learn about a topic relevant to society. Experts in their field gave the lectures and it was evident that they were all passionate about their subject. I learnt a great deal which has extended my knowledge and I now will be able to deliver more engaging lessons to my students.

“““

The four days of activities gave an engaging insight into the diverse nature of polymers. As well as learning a lot about polymers, as a group of teachers we all had time to reflect and discuss school projects amongst ourselves, and made some really good contacts.

# REGISTRATION FORM

Please complete clearly in **BLOCK CAPITALS**.

Complete one form per delegate and feel free to photocopy.

## About you

Title: ..... Surname: .....

First name: ..... Name for badge: .....

Subject: ..... Job title: .....

School: .....

Address<sup>1</sup>: .....

Telephone: ..... Mobile<sup>2</sup>: .....

Email: .....

Where did you hear about the course?: .....

<sup>1</sup> If you are a student teacher please provide your home address for correspondence.

<sup>2</sup> Your mobile number will only be used by the centre in an emergency if there are last minute changes to the course. It will not be passed on to third parties.

## Your preferred venue (please tick):

- Edinburgh Napier University / 18 to 21 June / General
- London Metropolitan University / 25 to 28 June / D&T focus
- Manchester University / 02 to 05 July / Science focus

## Your deposit

Please send a cheque made payable to IOM3. Your cheque will not be cashed unless you do not attend; it will be returned to you during the Tour.

- Please tick here if you would like us to send you an invoice

## Your deposit

I understand that:

- Places are allocated on a first come first served basis to teachers returning a completed form and deposit payment.
- My deposit will only be refunded if I or a substitute attends the selected tour. No other refunds will be made.

**Signed:** ..... **Date:** .....

## Please return your completed form and deposit to:

Dr Diane Aston, PST2017, IOM3, The Boilerhouse, Caunt Road, Grantham, NG31 7FZ

To enquire about availability: e [diane.aston@iom3.org](mailto:diane.aston@iom3.org) / t 01476 513882