IOP for Teachers

Institute of Physics Newcastle Day

A day for anyone teaching or supporting the teaching of physics

A day designed to inspire your teaching, enhance and develop your practical physics skills and present new ideas and suggestions to incorporate into your classroom.

Location: Newcastle University
Newcastle-Upon-Tyne
NE1 7RU
Date: Saturday 28th March 2020
Time: 11.30am – 3.00pm

IOP Institute of Physics
www.iop.org
Event Summary
This free event is for all teachers of physics, technicians and trainees and is organised by the Institute of Physics’ Stimulating Physics Network and Newcastle University.

Experienced IOP coaches will lead sessions to develop your confidence and pedagogical approaches to make teaching more engaging. The event provides an immediate opportunity to learn new techniques, network with teachers in your area and chat with the IOP coaches.

Programme

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<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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<tr>
<td>11.30 – 11.45</td>
<td>Registration and welcome to attendees</td>
<td>Lecture Theatre 3, Herschel Building</td>
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<tr>
<td>11.45 – 13.00</td>
<td>Workshop 1 *</td>
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<tr>
<td>13.00 – 13.30</td>
<td>Networking lunch</td>
<td>Seminar Room A, Third Floor, Herschel Annex</td>
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<td>13.30 – 14.45</td>
<td>Workshop 2 *</td>
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<tr>
<td>14.45 – 15.00</td>
<td>Plenary and closing comments</td>
<td>Lecture Theatre 3, Herschel Building</td>
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*Teachers will have a choice of workshops from the following:

A  Take Charge
Electricity is often a confusing topic for pupils. This workshop will focus on building confidence with the abstract ideas and practical challenges associated with the topic. We will discuss common misconceptions and helpful ways of modelling electric current.

Ideal for non-specialists and early career teachers, but experienced physicists might pick up a few new ideas too!

B  Get Your Motor Running
This workshop will help you and your students demystify electromagnetism.
We will cover: hands-on practicals, learning when and how to include the topic in your teaching sequence, how to prevent RSI when tackling the left hand rule, levitation, and more!

C  Physics Escape Room!
Take part and learn how to run this GCSE required practical escape room, that you can use with your Year 11 classes as a revision lesson the following week!
This method lets you and your students review the key concepts and skills from the core physics practicals, including: an overview of the practicals, key words/definitions, various maths skills and, of course, some hands on practical reminders!
Electronic copies of all challenge sheets along with the teacher and technician notes will be provided at the end of the session, ready for your next class!

To book or for more information visit:
bit.ly/IOPNewcastleDay2020
Alternatively, contact our regional team at:
education-yane@iop.org