University Open Days

Saturday 5th and 12th October 2019,
Friday 20th and Saturday 21st June 2020.

For further information contact the Student Recruitment and Schools Liaison Team at
http://www.reading.ac.uk/life/life-opendays.aspx or opendays@reading.ac.uk

*New Event*
Spectroscopy Masterclass

Thursday 23rd April and Wednesday 24th June 2020, 9am – 4 pm, Department of Chemistry.

A fantastic opportunity for Year 12 students to spend a whole day at the University and get a feel for student life. After a short introductory lecture on natural products and their importance in everyday life, students will work in groups on a related experiment that gives them the experience of using a range of practical and analytical techniques not normally employed in school laboratories. They will be shown round our Chemical Analysis Facility, which includes NMR, IR and Mass Spectrometers. This tour will be followed by a problem-solving session, in which students are given a chemical problem and the relevant IR, Mass Spec. and NMR data to enable them to identify a number of naturally occurring molecules.

Students may attend this individually or in groups (maximum of 15 students per school/college). A deposit of £50 per group applies to this event (refundable upon attendance) with no charge for individual attendees. For bookings and further information, contact outreach@reading.ac.uk

*New Event*
Organic Chemistry Masterclass

Dates upon enquiry, 9am – 4pm, Department of Chemistry.

Another fantastic opportunity for Year 12 students to experience a day as a chemistry student. In this masterclass students will take part in a series of interactive workshops exploring organic reactions and their mechanisms. Students will have the chance to carry out a practical experiment in our laboratories and will hear a taster lecture about some of our cutting edge research.

Students may attend this individually or in groups (maximum of 15 students per school/college). A deposit of £50 per group applies to this event (refundable upon attendance) with no charge for individual attendees. For bookings and further information, contact outreach@reading.ac.uk
Who is your Heroine of Science? To coincide with International Women's Day, the University of Reading invites you to join us for an exciting event celebrating the work of female scientists. This event is aimed at Y11 and Y12 students and is kicked off with an inspiring guest lecturer delving into an area of chemistry research. Students are then encouraged to contribute to one of the two following competitions:

- Each school is invited to submit a team of 4 students to give an oral presentation about their unsung Heroine of Science.
- Additional students (individually or in pairs) are invited to communicate their research via a poster board display.

Teams are judged via an academic panel with prizes for the best presentation. Priority will be given to students who are contributing to the presentations or display; however non-presenting students are also welcome.

There is a deposit (refundable on attendance) payable for this event: £50 per school. For more information or to book a place, email chem-outreach@reading.ac.uk

*New Event*

**Salters’ Festival of Chemistry for Year 9**

Wednesday 29th April 2020, 9:30am – 3pm, Department of Chemistry.

Problem solving in the laboratory for teams of four Year 9 students. Bookings to be made through the Salters’ Institute website: [https://www.saltersinstitute.co.uk/festivals/](https://www.saltersinstitute.co.uk/festivals/)

For further information, contact institute@salters.co.uk

**Salters’ Festival of Chemistry for Years 7/8**

Wednesday 6th May 2020, 9:30am – 3pm, Department of Chemistry.

Problem solving in the laboratory for teams of four Year 7/8 students. Bookings to be made through the Salters’ Institute website: [https://www.saltersinstitute.co.uk/festivals/](https://www.saltersinstitute.co.uk/festivals/)

For further information, contact institute@salters.co.uk
### Spectroscopy in a Suitcase Workshops (Y12/13)

Spectroscopy in a Suitcase gives Year 12/13 students the opportunity to learn about spectroscopy through hands-on experience of using an Infrared spectrometer. As well as covering the principles of IR and MS techniques, the activities use real-life examples to demonstrate their applications. Career opportunities available with chemistry qualifications are discussed. University students/staff deliver the workshops at school/college (typically 1-1.5 hrs). The equipment may also be available on a short-term loan basis.

For more information go to [http://rsc.li/spec](http://rsc.li/spec)
To request a visit or loan, please fill the booking form at [http://rsc.li/book-sias](http://rsc.li/book-sias)
If you have any questions, please email [chem-outreach@reading.ac.uk](mailto:chem-outreach@reading.ac.uk)

### Chemistry Lectures for Schools (Y11-13)

We offer a number of lectures suitable for students in Years 11, 12 and 13 which expand on GCSE and A level chemistry topics. Each presentation lasts for 30-50 mins and will be delivered at school/college. There will be the opportunity to ask questions, both about the talk content and about studying chemistry at university.
A wide range of topics are presented. Talk titles include:

- Zeolites Really Rock!
- Spectroscopy: Exploration of Space, Studies of the Past and the Fight Against Crime
- Chemistry for our Future: Clean and Sustainable Energy
- Materials from Micelles
- Fuelling the Car of the Future
- Sparkling Cyanides!
- Why Chemistry at University?

For further information see [www.reading.ac.uk/chemistry/outreach](http://www.reading.ac.uk/chemistry/outreach)
For booking, contact [chem-outreach@reading.ac.uk](mailto:chem-outreach@reading.ac.uk)