

**Swansea University Chemistry Dept. Outreach opportunities for CSC schools**

**For more information please contact Professor Simon Bott at Swansea University** **s.g.bott@swansea.ac.uk**

Competitions

**December 11th, 2019**: Top of the Bench  Teams of 4:  1 x Year 11, 1 x Year 10, 1 Year x 9 and the last member can be Year 8 or 9 [Details here](#TopOfTheBench)

**January 22nd 2020**: Chemical Analyst:  Teams of 3….  Year 12 (Year 13 can come for experience)

**June 17th 2020**:  Salters Festival: Teams of 4…  Either Year 7 or Year 8

**Special Experiment Days – 9:30 to 2:30 or 3.  Year 12 or 13.  Limit of 80 students per session.  Please ask your students to register interest at** [**https://forms.gle/AW7Uevjo7eoYJaL27**](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fforms.gle%2FAW7Uevjo7eoYJaL27&data=02%7C01%7CSusan.Quirk%40cscjes.org.uk%7C53abac3494724813aba208d762a814b0%7C4f3f0e52b734416494091b601d147993%7C0%7C0%7C637086346343970707&sdata=XuerB4uEoT8sk%2BJ4fPx82D8BlIbJAndzjm5fCmcz83k%3D&reserved=0)**Please distribute as you see fit.**

**Monday January 20th 2020**: Long A-level Experiment Day for Year 13: 2-step synthesis and pH titration.  Students can come to the whole day or one or the other

**Monday April 6th 2020**: Holiday Chemistry for Year 13:  2-step synthesis, aspirin synthesis, synthesis of organic liquid.

**Wednesday April 22nd 2020:** Warm up for the Prac Exam for Year 13:  Spectroscopy and Organic Tests and Techniques

**Thursday April 23rd 2020:** Warm up for the Prac Exam for Year 13:  Spectroscopy and Organic Tests and Techniques

**Friday April 24nd 2020:** Warm up for the Prac Exam for Year 13:  Spectroscopy and Organic Tests and Techniques

**Monday June 29th 2020**: Long A-level Experiment Day for Year 12:  2-step synthesis and pH titration.   Students can come to the whole day or one or the other

**Monday July 6th 2020**:   Organic Synthesis Day for Year 12:  2-step synthesis, aspirin synthesis, synthesis of organic liquid.

**Special Days for Other Years – Full details coming later**

**Friday January 24th 2020**:  Chemistry at Work: Year 9 – synthesis, analysis and chemical knowledge.  Contact Llinos Misra at llinos.misra@gmail.com

**Wednesday July 8th 2020**: Year 9/10 Day and Tim Harrison.  Come to the morning session (9:30 to 12:30) or the afternoon (11:30 to 4:30).  At 11:30-12:30, there will be a demonstration lecture by Tim Harrison.

**Open Lab Days – Any Years from 8 to 13 (first school to book on a given day will define which year(s)).  Limit of 80 students per session.  Teachers - express interest at** [**https://forms.gle/bzeTCd11jncs34NFA**](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fforms.gle%2FbzeTCd11jncs34NFA&data=02%7C01%7CSusan.Quirk%40cscjes.org.uk%7C53abac3494724813aba208d762a814b0%7C4f3f0e52b734416494091b601d147993%7C0%7C0%7C637086346343980695&sdata=87TWGuolkk5RDA4Fb5FVnzZWcJXxAIt4XWUaJC4b7dc%3D&reserved=0)

 **Wednesday November 27th**:  12 to 3 pm

**Wednesday January 29th**: 12 to 3 pm

**Wednesday February 5th**: 12 to 3 pm

**Wednesday February 12th**: 12 to 3 pm

**Wednesday February 26th**: 12 to 3 pm

**Wednesday March 4th**: 12 to 3 pm

**Wednesday March 11th**: 12 to 3 pm

**Wednesday March 18th**: 12 to 3 pm

**Wednesday March 25th**: 12 to 3 pm

**Wednesday April 1st**: 12 to 3 pm

**Monday June 8th**: 9:30 am to 12 pm or 12:30 to 3 pm (whole day available)

**Wednesday June 10th**: 9:30 am to 12 pm or 12:30 to 3 pm (whole day available)

**Friday June 12th**: 9:30 to 12 or 12:30 to 3 (whole day available)

**Monday June 15th**: 9:30 to 12 or 12:30 to 3 (whole day available)

**Friday June 19th**: 9:30 to 12 or 12:30 to 3 (whole day available)

**Monday June 22nd**: 9:30 to 12 or 12:30 to 3 (whole day available)

**Wednesday July 1st**: 9:30 to 12 or 12:30 to 3 (whole day available)

**Friday July 10th**: 9:30 to 12 or 12:30 to 3 (whole day available)

**Monday July 13th**: 9:30 to 12 or 12:30 to 3 (whole day available)

**Wednesday July 15th**: 9:30 to 12 or 12:30 to 3 (whole day available)

**Friday July 17th**: 9:30 to 12 or 12:30 to 3 (whole day available)

**SEREN RESERVED DAYS**.  See your Seren coordinator or e-mail Heidi Brown at H.S.Brown@Swansea.ac.uk

**Year 8/9 Days**:

Friday June 26th 2020

Friday July 3rd 2020

**Year 12/13 Days:**

Friday January 17th 2020

Wednesday June 24th 2020

**Top of the Bench details**

 If **you are interested**, please **let me know** as soon as possible **and how many teams you would like to bring** (multiple teams are provisional until we close registration in 2 weeks).

**Date**:                     **December 11th**

**Times**:                    9:15: Registration starts in GROVE 2nd Floor at the back

                                10:00 Round 1 Part A.  Pool A teams  in computer room (GROVE 344); Pool B teams in lab (GROVE 336)

                                10:35 Part A finishes; teams switch

                                10:45 Round 1 Part B. Pool A teams in lab; Pool B teams in computer room

                                11:20 Part B finishes.  Pupils get 30 minutes for lunch and should make their way to the rooms for semi-finals

                                11:55. Semi finals begin.  One in Taliesin and one in Callaghan Lecture theatre (we will have student guides for all the pupils)

                                12:35. Semi-finals end.  Pupils move to Taliesin

                                12:45. Final start

                                13:30. Prize and certificate giving.

                                13:45. Close

**Teams**:                   1 from each of Years 9, 10 and 11.  The 4th member can be from Year 8 or 9.

**Format**:                 Round 1 consists of two parts.  There will be a lab experience in which the Year 10 and 11 students do one experiment and the Year 8 and 9 students do another one.  The students work in pairs and will be assessed on lab demeanour, safety, and results.

                                The second part is a Kahoot quiz – most questions will be year specific with some team questions.

                                The top 2 teams in each pool advance to the semi-finals.  (Lab and Kahoot scores combined with even weight; if 2 schools have same score, lab score will be used as tie-breaker)

                                The semi-final and final are head-to-head contest on stage with rest of Pool schools as audience.  These will be in rounds with multiple formats (e. g., year-appropriate directed questions, team questions, speed rounds etc)

**“New:”**                 This is the last time that we can allow someone to be on a team 2 years in a row.    We should have been following this rule all along but the RSC gave us one year of “grandfathering.”

                                However, you are ENCOURAGED to not bring someone who came last year.

I have attached **2 forms**.  The first is a lab **code of conduct**. I need **one of these per school** with all student names **legible** and then their signature.  You can send this ahead of time or on the day.

The second is **the parent/guardian consent form**.  I need **one of these per student**, filled in appropriately.

 risk assessment for the lab part sent out in due course.

I should emphasise the **leg/foot covering aspect of the lab code of conduct**. Skirts or tights are NOT considered to be suitable leg covering.  No pop socks as they leave uncovered skin.  In short, closed toed shoes, socks and trousers…. (or religiously-dictated robes)

If you have **lab coats/goggles**, please plan to bring those.  We will provide for those who do not have them.