

CHEMISTRY



Salter's
Institute



2023 SCHOOLS' INFORMATION

The Salters' Institute's Festivals of Chemistry have introduced a three stage, hybrid approach to explore all that chemistry offers as a subject area and as a gateway to many careers. This blended offering includes videos, classroom activities, day trips to universities and a team challenge.



All the resources can be found on the Festivals of Chemistry website: festivalsofchemistry.org

What is included in the Festivals of Chemistry Programme?

Discover Chemistry Careers

Videos and Careers Lessons plan delve into chemistry as a subject, its applications and how chemistry leads to many career pathways. There are currently 10 available and 2 new resources will be released in March 2023 for delivery in class. Topics covered include: Medicinal Chemistry, Chemical Engineering, Green Chemistry, and Computational Chemistry. These resources and videos link with Gatsby Benchmark 4.

Discovery Days

10 Regional Discovery Days with an inspiring speaker, hands on practical chemistry and a careers panel. There will also be CPD provision for teachers attending.

| Location | University | Date |
|------------------|----------------------------|------------------|
| South West | University of Bristol | 10th May |
| North East | Newcastle University | 24th & 25th May |
| Northern Ireland | Queen's University Belfast | 31st May |
| Scotland | Univeristy of Aberdeen | 7th & 8th June |
| Wales | Swansea University | 20th & 21st June |
| Midlands | Aston University | 27th & 28th June |

Discovery Days build on areas of curriculum including but not limited to: the development of scientific thinking, experimental skills and strategies, and chemical analysis. They also link with Gatsby Benchmarks 5 and 7.



Example Discovery Day Timetable

| Time | Activity |
|---------------|-----------------------------|
| 09:15 - 09:45 | Arrival |
| 09:45 - 10:00 | Welcome |
| 10:00 - 10:45 | Guest Speaker with Q&A |
| 10:45 - 12:30 | Aspirin Synthesis Session 1 |
| 12:30 - 13:15 | Lunch |
| 13:15 - 14:15 | Aspirin Synthesis Session 2 |
| 14:15 - 14:55 | Careers Panel with Q&A |
| 15:00 | Departure |



Chemistry for Good Challenge

Inspire your students through this nationwide challenge that explores how we can use chemistry to make the world a greener place. This year's focus will be on sustainable cities and communities. Students work in teams of up to 4 to find chemistry solutions for the future and submit them for judging by leading researchers and industry professionals.



Who can participate?

Festivals of Chemistry will focus on students aged **14-16 years old** i.e. Y10 (England & Wales), Y10 & Y11 (Northern Ireland) and S4 (Scotland).

The programme is open to all schools. Spaces at Discovery Days are, however, limited. Priority will be given to state schools which match at least one of the following criteria:

- Schools with pupils from low income backgrounds and low socioeconomic groups, including schools situated in SIMD Decile 1-4, NIMDM Decile 1-4, WIMD Decile 1-2, IMD Decile 1-4; **or**
- Schools from postcodes where participation in higher education is low, namely Quintile 1-3 in the POLAR4 categorisation; **or**
- Schools with 30% or more of students on Free School Meals.

We encourage students from all backgrounds and abilities to engage with our Festivals of Chemistry. This is an opportunity to inspire students with the potential of chemistry, motivate students to pursue the subject to an advanced level, and encourage your learners to see themselves working in and with science in the future.

What are the costs?

There are **no costs** to participate in any stage of the Festivals of Chemistry. For schools that match one of the criteria relating to IMD, POLAR4 or FSM there will be funding available for travel and teacher supply cover to ensure that the Discovery Days are accessible to all.

Pupils will be expected to bring their own lunch on the day.

How to apply?

Complete a registration form at <https://saltersinstitute.org/programmes/festivals-of-chemistry/>

The deadline for applications for spaces at the Discovery Days is **Monday 6th February**. Places for the Discovery Days will then be announced by the end of February.

CHEMISTRY



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