



ROYAL SOCIETY  
OF CHEMISTRY

# Royal Society of Chemistry

Support for Educators

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# RSC event participant agreement: *we agree to....*

- ...foster equal participation 
- ...not tolerate bullying, harassment, or discrimination 
- ...maintain privacy/confidentiality 
- ...respect people's identities & experiences 
- ...engage with kindness and respect 
- ...keep communication professional 
- ...consider diverse cultural backgrounds 
- ...contribute constructively. 

# Education Website

- edu.rsc.org
- All of the education offering in one place

The screenshot shows the Royal Society of Chemistry Education website. At the top left is the RSC logo. The main header features the word "Education" in large blue font, with the tagline "Inspiring your teaching and learning" below it. A search bar is located on the right side of the header. Below the header is a navigation menu with items like "I am a...", "Resources", "Education in Chemistry", "Teach Chemistry", "Events", "Teacher PD", "Enrichment", "Our work", and "More >>". The main content area has a dark blue background with the text "Welcome Ross Christodoulou" and "Search and download our teaching resources". A search box with the placeholder "Search by topic or keyword" and a magnifying glass icon is present. Below this is the text "We have thousands of resources to help you teach chemistry". On the right side, there is a "Curriculum explorer" panel with a "CLOSE" button and three dropdown menus: "Select area", "Select level", and "Select curriculum". Below the main content area, there is a section for "Ideas and articles >>" with the "eic" logo. Below this, there are several article thumbnails. One visible article is titled "The rate of reaction of magnesium with hydrochloric acid" and is associated with the Nuffield Foundation.

# Education Website – Registration

- Website has 2 article view limit, registration removes this
- 2 types of registration:
  - Personal – Basic access
  - Teach Chemistry – Full access
- Both are free

## Registration

\* required fields

### Step 1 of 3: Create your personal account

To start, please tell us who you are and agree to our terms and conditions.

First name\*

Last name\*

Email address\*

Please note: if you would also like to join Teach Chemistry, please use your school email address here

Password\* Minimum of 8 characters   Show password

Password\*

Confirm password\*

Terms and conditions\* Please 'agree' to acknowledge:

- You have read, understood and accept our terms and conditions
- We need to collect and manage your personal data in order to provide this service. (Our privacy statement explains how we do this.)

I agree

Personal  
only

## Join Teach Chemistry

### For additional support, sign up to Teach Chemistry

Get access to exclusive benefits for your institution with Teach Chemistry: our free support service for schools, colleges and teacher training providers in the UK and Ireland (formerly Learn Chemistry Partnership).

If you work at a secondary school, FE college or teacher training provider in the UK or Ireland, you can register your institution for Teach Chemistry.

If your school is already registered, you can sign up to join your colleagues on their Teach Chemistry account.

Along with all the benefits of a personal account, you'll be able to:

- use our eight themes of good practice to increase your confidence in the classroom and in your department
- discover helpful resources tailored to your curriculum with our Curriculum Explorer
- get complimentary Royal Society of Chemistry membership for the lead contact in your department
- enjoy access to local events organised by your regional Education Coordinator
- support your colleagues by sharing bookmarked resources

[Click here to find out more.](#)

Register with my school to join Teach Chemistry  Yes, I want to join

NEXT

Teach  
Chemistry

# Teach Chemistry

- Use school/institution email address
- Search for school name
- If it isn't there then click "can't find your school"
- Tip: Try postcode as well as name

## Upgrade to Teach Chemistry

Step 1a of 3: Find out if your school is already part of Teach Chemistry and affiliate your account with them.

### School address

Find your school by typing its postcode or name

Institution name and postcode

Gosford Hill School - (Kidlington,OX5 2NT)

Gosforth Academy - (Newcastle-upon-Tyne,NE3 2JH)

Gosforth East Middle School - (Newcastle Upon Tyne,NE3 5JT)

> [Can't find your school](#)

PREVIOUS

NEXT

\* required fields

Sign up to Teach Chemistry and increase your students' engagement in chemistry while working in a department that supports you and your colleagues.

Get access to exclusive benefits for your institution with Teach Chemistry: our free support service for secondary schools, colleges and teacher training providers in the UK and Ireland (formerly Learn Chemistry Partnership).

# Curriculum Explorer

- Powerful refining tool
- Perfect for regional variations
- Sort by region, teaching level, and specification

The image displays three sequential screenshots of the Curriculum Explorer interface, illustrating the selection process:

- First Screenshot:** Shows the 'Curriculum explorer' header and a 'Select area' dropdown menu. The menu is open, listing 'England', 'Scotland', 'Wales', 'Northern Ireland', and 'Republic of Ireland'. An 'UPDATE SETTINGS' button is visible at the bottom.
- Second Screenshot:** Shows the 'Curriculum explorer' header with 'England' selected in the first dropdown. The second dropdown, 'Select level', is open, listing 'GCSE' and 'A/AS level'. An 'UPDATE SETTINGS' button is visible at the bottom.
- Third Screenshot:** Shows the 'Curriculum explorer' header with 'England' and 'GCSE' selected. The third dropdown, 'Select curriculum', is open, listing various specifications: 'AQA Chemistry', 'AQA Combined science: Trilogy', 'AQA Combined science: Synergy', 'Edexcel Chemistry', 'Edexcel Combined science', 'OCR Chemistry A: Gateway', 'OCR Combined science A: Gateway', 'OCR Chemistry B: 21st century', and 'OCR Combined science B: 21st Century'. A yellow 'CLOSE' button is in the top right corner, and an 'UPDATE SETTINGS' button is at the bottom.



# Curriculum maps

For primary teachers



## Primary curriculum topics

Discover teaching resources to help you cover four key areas of the primary science curriculum: earth science, everyday materials, reversible/irreversible change, and solids, liquids and gases.

Practical guides



## English & Welsh GCSE chemistry specifications

Use these practicals to cover the practical requirements of GCSEs in England and Wales



## Northern Ireland GCSE practical guide

Introduce more variety into your classroom with our series of alternative experiments that match with the CCEA's prescribed practical requirements.



## English and Welsh A-level practical guide

Make the most of the new practical endorsement for students with this collection of alternative experiments that match the required practical apparatus and techniques – while helping your students to master them.

Curriculum maps



## English chemistry curriculum map

Use this map to get an overview of the English chemistry curriculum, from primary to undergraduate level.



## Northern Ireland chemistry curriculum map

Plan your implementation and delivery of the Northern Irish chemistry curriculum, whether you teach at foundation phase or undergraduate level.

# Collections

- Several collections of resources
- Practical collections with CLEAPSS information and Method sheets
- Online resources perfect for home learning – PhET and Screen Experiments

## New collections



### Organic Chemistry Worksheets | 14-16

22 October 2020

Differentiated worksheets to support key topics in organic chemistry. Apply knowledge in context and assess learning with a wealth of questions that can be used flexibly.



### Practical videos | 16-18 students

7 September 2020

Video demonstrations of key practical techniques and apparatus that can be used for revision, flipped learning or remote teaching scenarios.

### Practical videos | 14-16 students

## Featured collections



### Screen experiments

Interactive screen experiments enable students to make the most of practical experiments, allowing them to familiarise concepts beforehand or reinforce knowledge afterwards. Get started with titrations of varying complexity or a full aspirin synthesis



### Assessment for learning

Lesson plans and resources to actively involve students in their learning of a variety of chemical concepts



### Microscale chemistry

Experiment with practicals that use only small quantities of chemicals and simple apparatus



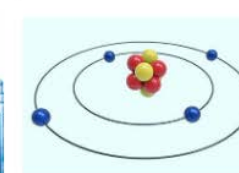
### Faces of chemistry

Have you ever wondered about what inspired famous chemists, how chemistry research leads to new products and technologies or what sort of careers studying chemistry or a related subject can lead to? Explore videos and resources about chemistry in real life and in different careers



### Nuffield practical collection

Develop understanding of a wide range of chemical concepts and processes using this collection of over 200 practicals



### PhET interactive simulations

Explore chemical concepts using these interactive simulations: covering acid-base solutions, Beer's Law, atomic structure, concentration and the pH scale



# Professional Development

- Live and On-demand courses
- Live courses are free

## Professional development for teachers

Well-rounded professional development knits into every facet of your role as a teacher

That's why we provide a CPD programme that supports a holistic approach to professional development. We offer a wide range of CPD opportunities to suit individual teachers' needs; this includes face-to-face courses, online courses and other forms of teacher professional development.

### Free courses



#### On-demand online

Self-guided teacher professional development courses



#### Live online

Free, remotely-taught teacher professional development sessions



#### Video recordings

Video recordings of teacher professional development courses

# Online Support Sessions

- Run by regional Education Coordinators
- Variety of Topics
- Free to attend

Date	Title
12/01/21	Using online simulations to support chemistry education
14/01/21	Bonding misconceptions
19/01/21	Climate Emergency On The Road to COP26
21/01/21	Online Titration (Declan)
26/01/21	Acids and bases: Tackling misconceptions
28/01/21	Aspirin online simulation

# Education in Chemistry Magazine

- Access to library of articles
- Written by active educators and technicians
- Articles on pedagogy, subject knowledge, current topics/issues in education

educationinchemistry

Search



Classroom Staffroom Science Collections Post-lockdown teaching support Get the print issue RSC Education >>



**Electrochemistry could secure astronauts oxygen on the Moon**

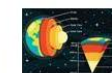
8 December 2020 | By Ida Emilie Steinmark

Latest

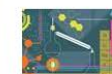
Popular



**Electrochemistry could secure astronauts oxygen on the Moon**



**How to teach earth science at 11-14**



**Teaching creative chemistry**



**Judge us on our classroom teaching**



**Strategies to succeed in post-16 courses**

# A Future in Chemistry - Careers

- Loads of diverse job profiles
- Curriculum mapped careers
- Great for motivating students and contextualising learning

The screenshot shows the website interface for 'A Future in Chemistry: Making the Difference'. At the top left is the Royal Society of Chemistry logo. The main header features the title 'A FUTURE IN CHEMISTRY' in large white letters, with 'MAKING THE DIFFERENCE' in orange below it. A search bar is on the right. A navigation menu includes 'Career options', 'Study options', 'Not a student?', 'Making the difference', and 'Game'. A 'RSC student support' link is on the far right. The main content area has a large illustration of a person in a blue suit holding a glowing lightbulb, with another person in a blue suit holding a telescope. A play button icon is overlaid on the illustration. Below the illustration is a large orange button that says 'PLAY THE GAME NOW'. To the right of the illustration is a section titled 'COVID-19: MAKING THE DIFFERENCE' with four featured individuals: Nurida Mohd Yusop, PETRONAS; Dr Cristina Blanco-Andujar, MediSieve; Ellie Laney-Bolton, EDF; and Harsh Shah and Michael Wevill, Thames Water. Each individual has a small portrait photo next to their name.

# Who's your local Education Coordinator?



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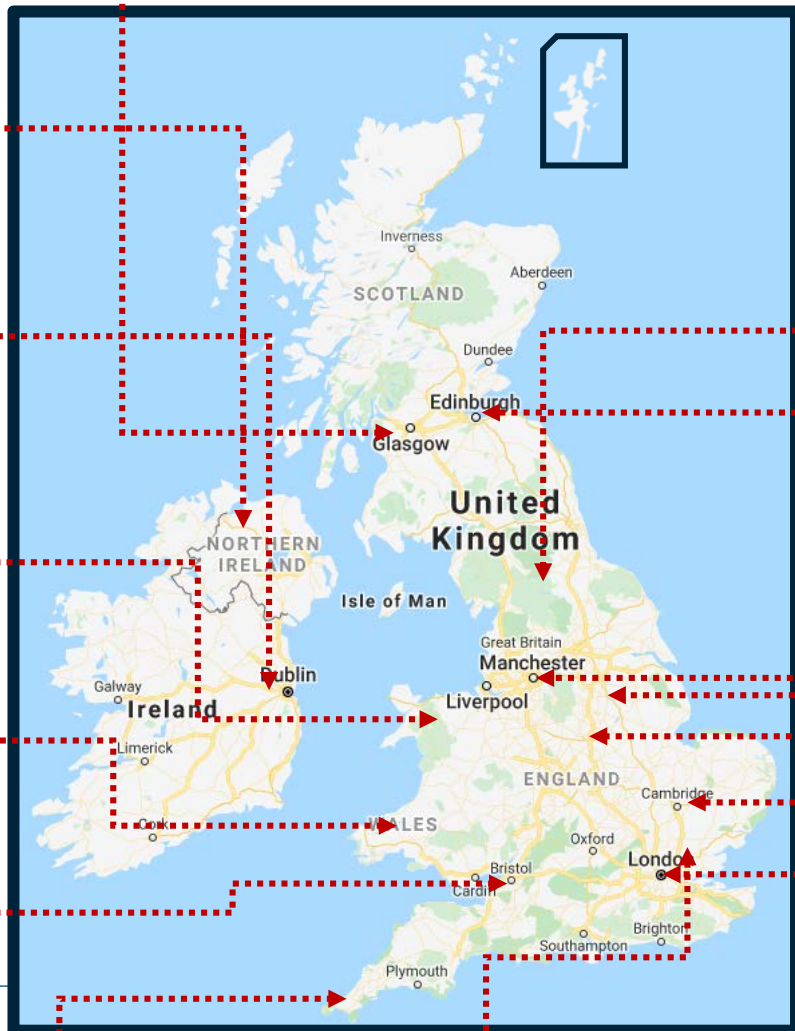

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# Thank you

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