

Resources available from Education Scotland



STEM@educationscotland.gov.scot



https://bit.ly/STEM-Blog



Round 3 Phase 2 Breakdown (59 Projects)

Total	£345,943	
Numeracy and Mathematics	£178,410	
STEM	£167,533	

Since the inception of the grants programme over £4.3 million has been awarded to 307 STEM professional learning projects.

- An estimated 58,161 practitioners have benefitted for the three funding rounds from over 9.5K establishments.
- A further 29,000 practitioners are set to benefit from Round 4.





Round 4 Phase 1 Breakdown (59 Projects)

STEM	£194,605
Numeracy and Mathematics	£117,340
Total	£311,945



STEM Nation Online Resource

- Resources
- Professional Learning
- Networks
- Events
- News



https://blogs.glowscotland.org.uk/glowblogs/stemnation/



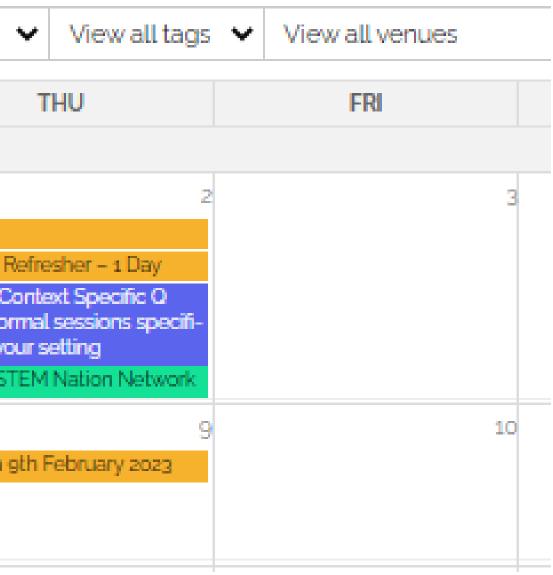


Events Calendar

 Contains STEM and Learning for Sustainability professional learning opportunities, networks for dialogue and sharing practice and events from across a variety of STEM partners and also includes professional learning offered by Education Scotland.

February 2023	View all ca	View all categories			
MON	TUE	WED			
30	33	1	L		
11:00 am STEM Nation Award	4:00 pm Take Eco-Schools	BGE Biology/Physics for Non-Sp	pecialists		
Drop-in Session – Session 7	Further: Pocket Garden (Jan)	11:00 am STEM Nation Award	Safe Use F		
		Drop-in Session – Session 8	4:00 pm C and A Info		
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			4:15 pm S		
6	7	7 8	3		
3:45 pm Computational	3:45 pm Programming	Safe Use of Fixed Workshop Mar	chinery 8th		
Thinking Workshop – OPEN TO ALL UK TEACHERS	Workshop – Introduction to Scratch – OPEN TO ALL UK				
	TEACHERS				





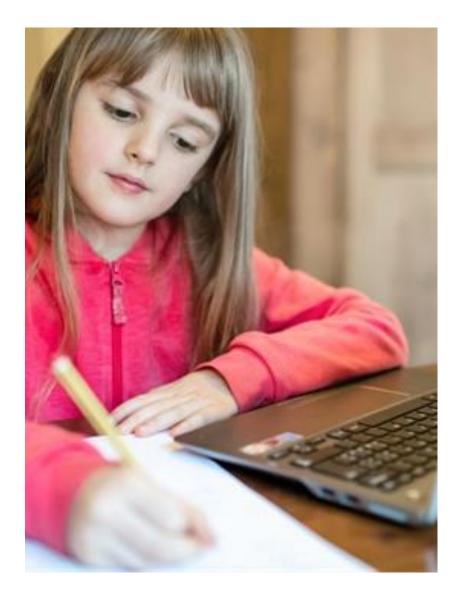


National e-Learning Offer (NeLO)



- Approximately 24,000 resource links across 37 subjects
- 5000+ resource links for sciences NQs lacksquare
- All 3 strands of NeLO have content contained within NeLO microsite on: e-Sgoil, West OS & ES (supported)
- Supported element was developed by teachers for teachers by ES Curation groups. These groups collated and curated content which was mapped to the curriculum.
- BBC, West OS, e-Sgoil & SCHOLAR resources lacksquare
- National e-Learning Offer | Education Scotland lacksquarehttps://education.gov.scot/nelo/



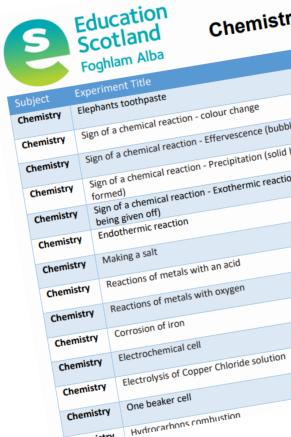




Practical Science Experiment Films

- Ongoing filming with practitioners, BBC Bitesize and Universities.
- Over 200 practical science experiment films, including:
 - Listings on STEM Nation Online Resource (https://www.bitlylinks.com/DUtrs8W7K)
 - All mandatory secondary experiments filmed for biology, chemistry and physics
 - Many Primary and BGE practical activities









31.03.22

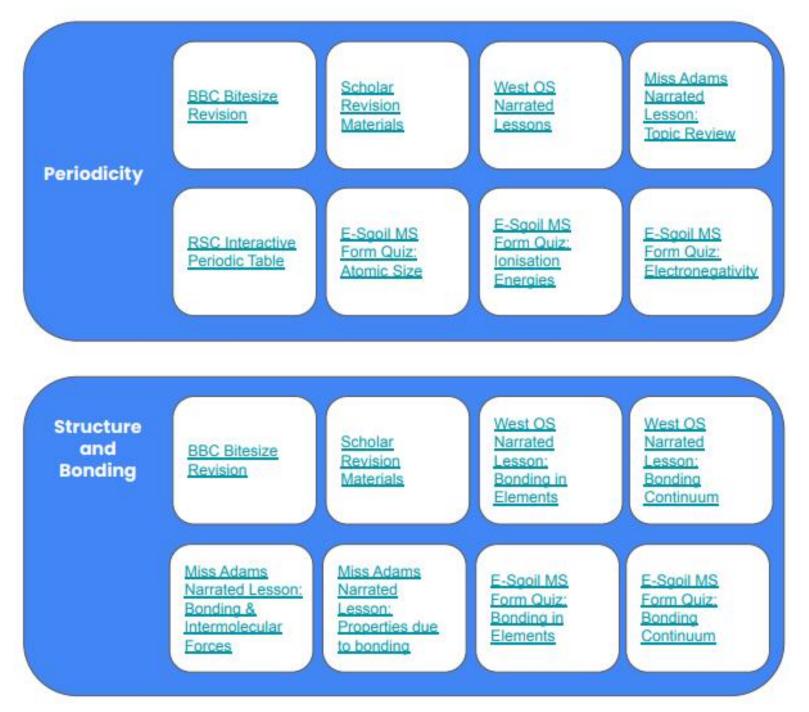
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Education Scotland **Higher Chemistry** Foghlam Alba Chemical Changes & Structure



National e-Learning Offer



National e-Learning Offer



The SQA Higher Chemistry Course (SCQF Level 6) looks at Equilibrium – Relating the definitions and applications of equilibrium.

This content provides the learner with an overview of elements of Equilibrium, it does not cover the whole course and should be used only to supplement in school teaching and study at home.

- •
- Questions.
- Equilibrium PowerPoint •
- •
- Bitesize GCSE)





Higher Chemistry - Equilibrium

BBC Bitesize – Equilibrium (includes a test to check your understanding)

Equilibrium – Video lesson from West OS, with MS Form Quiz and Practice

Chemical Equilibrium – Video lesson from Miss Adams

<u>Scholar</u> – Equilibrium learning resources (including topic test)

Reversible Reactions – Introduction to equilibrium from Fran Scott (BBC



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Collated Resources

Where to find support for sciences (biology, chemistry, physics, environmental science and skills for work)

Chemistry

Title	Target audience	Location	Description
National e-Learning Offer (NeLO)	Chemistry Practitioners	https://education.gov.scot/nelo/	Collections of Revision Resources by Leve
Strontium email group	Chemistry Practitioners	Registration Form	Opportunities to share resources and discu Resource Spreadsheet (<u>http://bit.ly/3Vemn</u>
Royal Society of Chemistry	Chemistry Practitioners and Technicians	https://www.rsc.org/ Improved access through free registration to Teach Chemistry - https://edu.rsc.org/register	Resources / Articles Professional Learning Sessions (<u>https://ed/</u> Advice regarding practical activities Career profiles – Future in Chemistry (Map Funding & grant opportunities (<u>http://bit.ly/3</u> https://www.chemistryworld.com/ – various
Planned in Scotland for Teachers in Scotland	Chemistry Practitioners	https://chemistryteaching.scot/	Regular online professional learning session Recordings of previous sessions Links to relevant articles / professional lear
Scottish Chemistry Teachers Collaborative	Chemistry Practitioners	Teams with Glow (Link / Join Code: mutx5k8) (Glow-login required and Glow username required to join)	Opportunities to share resources and discu Annual in person networking session
Secondary Sciences Network	Secondary Science Practitioners	Teams with Glow (Link / Join Code: uh9sf32) (Glow-login required and Glow username required to join)	Regular online sessions (including recordin Sharing professional learning / pupil events Opportunities for discussions and sharing n
Scottish Qualifications Authority (SQA)	Chemistry Learners and Practitioners	https://www.sqa.org.uk/	Course Specifications and Past Papers (<u>htt</u> SQA - Understanding Standards: Chemistry (http://bit.ly/SU4Y0FF)
BBC Teach YouTube Channel	Chemistry Learners and Practitioners	Chemistry Playlist : http://bit.ly/3EP6Ra8	Variety of clips from the BBC relating to Lev
SSERC (Scottish Schools Education Research Centre)	All practitioners involved in practical activities. Technicians.	https://www.sserc.org.uk/ 1-3 Pitreavie Court, Dunfermiine, KY11 8UU	Professional Learning Advice for practical activities Health & Safety Advice

(bit.ly/ESSciSupport)



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2056
ings of previous sessions: <u>https://bit.ly/3WuPbYr</u>) ts resources
it <u>ps://www.sqa.org.uk/sqa/45720.html</u>) try – Detailed information on marking questions & assignments
evel 3 to National 5 Chemistry