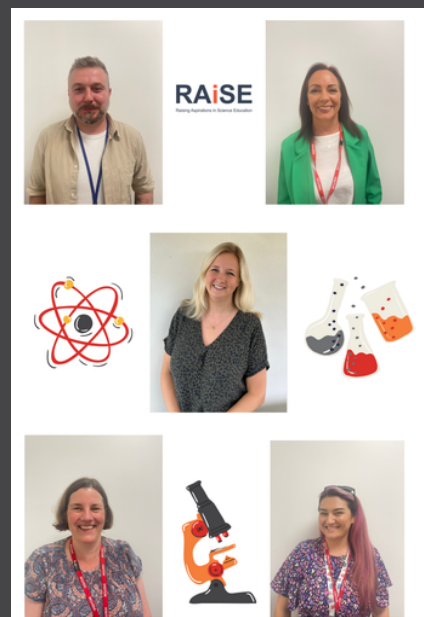


WELCOME TO OUR NEW PRIMARY STEM DEVELOPMENT OFFICERS

In August, five new local authorities embarked upon the RAiSE programme. This will be the final cohort to go through the programme. Twenty seven of Scotland's 32 local authorities have engaged since 2016. We are delighted to now have Primary STEM Development Officers (PSDOs) in East Dunbartonshire, Scottish Borders, Inverclyde, Argyll & Bute, and East Ayrshire.

Laura McCafferty, National Education Officer for RAiSE, said: "Our data shows us that RAiSE is greatly improving teachers' confidence and skills, as well as pupils' aspirations and enjoyment in relation to STEM. It is driven by national priorities but very deliberately delivered through a local lens to ensure activities are impactful. This is a great group of PSDOs who I am very much looking forward to working alongside over the next two years."

Read more [here](#).



RAiSE IS A PROGRAMME OF EDUCATION SCOTLAND, THE WOOD FOUNDATION, SCOTTISH GOVERNMENT, AND PARTICIPATING LOCAL AUTHORITIES TO EMPOWER PRIMARY PRACTITIONERS WITH THE SKILLS, CONFIDENCE, AND NETWORKS TO DEVELOP AND DELIVER EXCITING AND ENGAGING STEM EXPERIENCES FOR PUPILS.

Year of RAiSE 2022/23

OVERVIEW

Raising Aspirations in Science Education is a programme of Education Scotland, The Wood Foundation, Scottish Government, and participating local authorities which empowers primary teachers to develop and deliver motivating and engaging STEM learning experiences. This is achieved through the appointment of local Primary Science Development Officers for a period of 23 months who lead upon STEM strategy, professional learning, network and partnership development, and bespoke support within their local authorities.

Midlothian and East Renfrewshire joined the network in 2022/23 bringing the total number of Scotland's local authorities engaged to 22.

PROGRAMME IMPACT

Research undertaken with authorities exiting the investment in 22/23 proved that the programme and approach is highly effective in terms of improving the STEM learning experiences of primary pupils.

78% practitioners

improved confidence, skills, knowledge and enthusiasm for teaching STEM

YEAR OF RAiSE Report

We have produced a report highlighting the impact of RAiSE in 2022/23.

Our network provided more than 5000 hours of professional learning with more than 4000 practitioner engagements!

Read more [here](#).

One of the Aberdeenshire PSDOs created an engineering project, suitable for all primary levels, based on the Rosie Revere book. This was trialled with a small school. Read more [here](#).

Case study ROSIE REVERE ENGINEER



Engineering Habits of Mind

ENGINEERING TOOLKIT Resources

The Engineering Habits of Mind toolkit explores the engineering design process, as well as sharing practical examples through videos, links, and materials of bringing this to life in the classroom. Read more [here](#).



DATES FOR YOUR DIARY

Upcoming days to tie into STEM learning

28th October - [National Chocolate Day](#)

31st October - [Halloween](#)

2nd November - [Outdoor Classroom Day](#)

5th November - [Guy Fawkes](#)

8th November - [National STEM Day](#)

10th November - [Ada Lovelace Day](#)

17th November - [Children in Need](#)

30th Nov – 12th Dec [COP 28](#)

December - [Gingerbread STEM](#) and [Holiday STEM](#)

8th December - [Christmas Jumper Day](#)

IN CASE YOU MISSED IT...

Let's do Engineering
@lets_engineer

Approx 1000 of our activity books out to 11 schools and nurseries across the UK plus to the RAISE team. Hope you all enjoy them!



National STEM Network: Primary Meetings 23/24

Are you a primary practitioner interested in growing and sharing STEM learning?

If so...

- 1 Join the Glow team joining code kz41xx4
- 2 Come along to the network sessions Share and learn together

Date	Time	Title	Focus for session
6 September 23	4 - 5 pm	STEM Goodies	Practical resources and planning tools to help you create engaging STEM learning experiences.
25 October 23	4 - 5 pm	STEM through the year	Practical STEM ideas to enhance learning opportunities for key dates and celebrations throughout the year.
21 November 23	4 - 5 pm	The Future of STEM	The world is changing how can STEM learning help equip us for the future?
21 February 24	4 - 5 pm	STEM and LFS	Growing community based sustainable practice through STEM and outdoor learning.
6 March 24	4 - 5 pm	Cluster working and transitions	Maximising STEM learning across stages and settings.
14 May 24	4 - 5 pm	STEM across Scotland	A snapshot of primary STEM practice across Scotland (single stream, composite, multi-composite and small school examples included)

These sessions are open to all primary practitioners (including those in their setting).

For more information, contact
STEM@educationscotland.gov.scot

SSERC Early Years and Primary Team
@SSERCprimary

Apply now for our EY & Primary SSERC Meets! Online twilight CLPL for multiple practitioners, with resource kit and access to supportive online materials, at no cost to your setting:

Magnets
Forensics
Christmas STEM
Light
Seeds

Apply here: sserc.org.uk/professional-l...



RAISE and 2 others



FAMILY SCIENCE CLUBS



Case study

In West Lothian, the PSDO worked with two schools on family science clubs to increase parental engagement and increase aspirations in relation to STEM careers. Read more [here](#).

RAISE BY NUMBERS - 2016 TO DATE



27 local authorities engaged



70,529 hours of professional learning



2716 professional learning opportunities

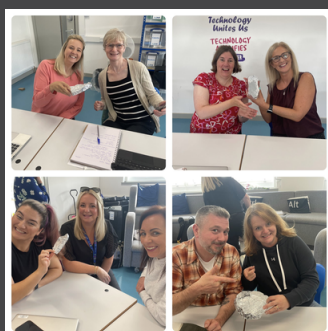


TECHNOLOGY PLANNER



Resource

Our technology planner is full of lesson ideas, resources, and inspiration linked to E&Os across Early and Second Level and addresses topics such as digital literacy and food and textile technology. View [here](#).



PSDO DAYS

Our learning

As a network, PSDOs from across Scotland came together for three days of learning in East Renfrewshire to take part in professional learning, collaborate, and discuss ideas and strategies which will now be cascaded in their local authorities. Activities included pond dipping, fire building, digital, evaluation and hearing all about sserc's offers and opportunities.