



Amie Dornan – Chair



Yeisson Diaz – Vice-Chair

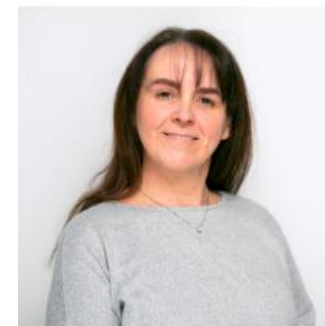
Karen Sinza



Diane Wood



Gillian Brock



Welcome from the SPE Schools Career Guidance Committee!



Solutions.
People.
Energy.SM



Colin Black

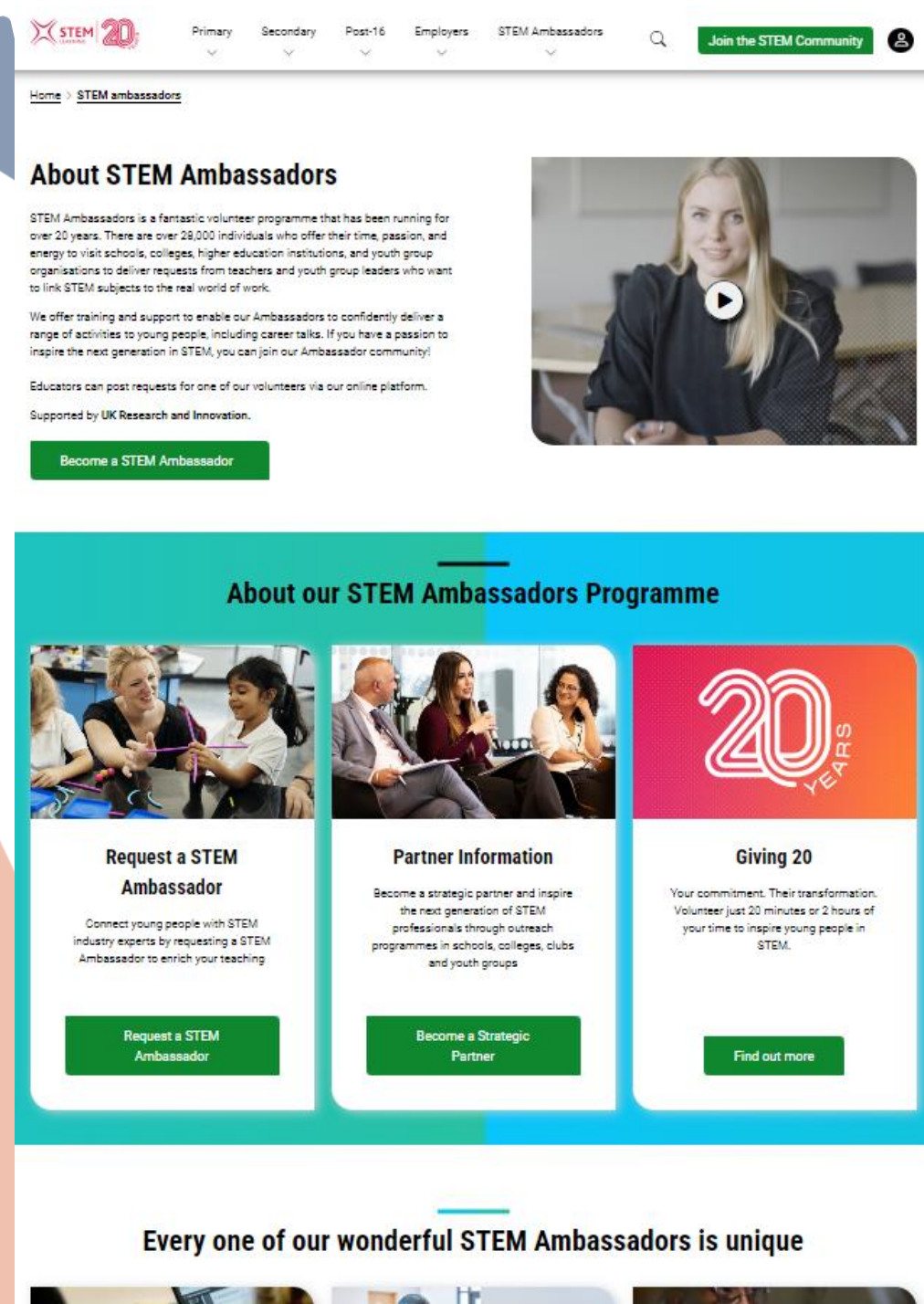


Elliot Kinch



What is a STEM Ambassador?

- Role models
- Volunteers
- Bring STEM to life
- Open up the world of work
- Range of backgrounds and experiences



The screenshot shows the STEM Ambassadors website. At the top, there's a navigation bar with links for Primary, Secondary, Post-16, Employers, and STEM Ambassadors, along with a search icon and a 'Join the STEM Community' button. The main heading is 'About STEM Ambassadors'. Below it, a paragraph describes the program as a fantastic volunteer initiative running for over 20 years, with over 28,000 individuals offering their time and passion to visit schools, colleges, and higher education institutions. It mentions that the program delivers requests from teachers and youth group leaders to link STEM subjects to the real world of work. Another paragraph states that training and support are provided to enable ambassadors to confidently deliver a range of activities to young people, including career talks. A third paragraph notes that educators can post requests for volunteers via an online platform, supported by UK Research and Innovation. A green button labeled 'Become a STEM Ambassador' is visible. To the right, there's a video player showing a woman speaking. Below this, a section titled 'About our STEM Ambassadors Programme' features three columns. The first column, 'Request a STEM Ambassador', includes a photo of an ambassador working with students and a green button to 'Request a STEM Ambassador'. The second column, 'Partner Information', includes a photo of three professionals and a green button to 'Become a Strategic Partner'. The third column, 'Giving 20', features a '20 YEARS' graphic and a green button to 'Find out more'. At the bottom, a banner reads 'Every one of our wonderful STEM Ambassadors is unique'.

STEM 20

Primary Secondary Post-16 Employers STEM Ambassadors

Join the STEM Community

Home > STEM ambassadors

About STEM Ambassadors

STEM Ambassadors is a fantastic volunteer programme that has been running for over 20 years. There are over 28,000 individuals who offer their time, passion, and energy to visit schools, colleges, higher education institutions, and youth group organisations to deliver requests from teachers and youth group leaders who want to link STEM subjects to the real world of work.

We offer training and support to enable our Ambassadors to confidently deliver a range of activities to young people, including career talks. If you have a passion to inspire the next generation in STEM, you can join our Ambassador community!

Educators can post requests for one of our volunteers via our online platform.

Supported by UK Research and Innovation.

Become a STEM Ambassador

About our STEM Ambassadors Programme



Request a STEM Ambassador

Connect young people with STEM industry experts by requesting a STEM Ambassador to enrich your teaching

Request a STEM Ambassador



Partner Information

Become a strategic partner and inspire the next generation of STEM professionals through outreach programmes in schools, colleges, clubs and youth groups

Become a Strategic Partner



Giving 20

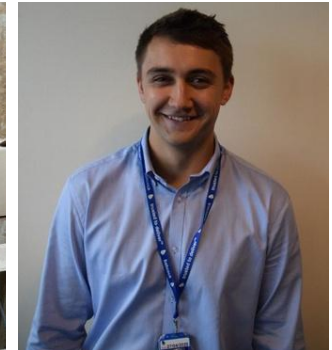
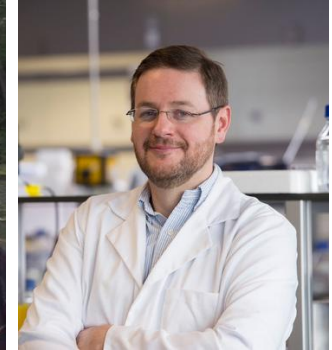
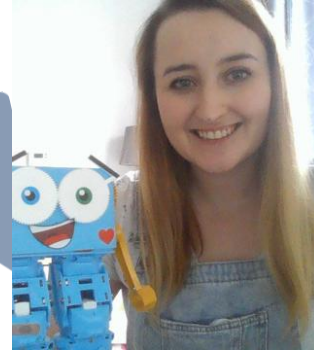
Your commitment. Their transformation. Volunteer just 20 minutes or 2 hours of your time to inspire young people in STEM.

Find out more

Every one of our wonderful STEM Ambassadors is unique

Why become a STEM Ambassador?

- Resources and training
- Access to opportunities
- Support partnership working with DYW
- Giving back to local community
- Improve your skills
- Include on your CV
- Become part of a UK wide network
- PVG certificate
- Fun!





STEM Ambassadors in Scotland @ScotSTEMAmbt · Jun 12 [Promote](#) ...

Last week Liam, our Programme Coordinator, got to visit the Scottish STEM Placement Programme at @RoslinCT!

What an amazing opportunity for the educators to get hands-on experience of the varied careers there- stepping into their shoes (& 2 layers of gloves, & hoods, & gowns)!



Lorna Bennet @LorryBonnets · Sep 3 ...

Excited to be on our way back to the Orkney International Science Festival for an incredible week of STEM presentations, workshops and activities for all the family! Thanks to @NLFerries for providing discounted tickets for staff and volunteers travelling to support the festival.



Dave Salmond @DavidSalmondAbz · May 21 ...

How can we combat eco-anxiety amongst young people whilst educating about the solutions to climate change and the associated careers!?

It was a privilege to welcome Arran from @DNVEnergySystem to @BucksburnAcad to help answer the above question! 🙌



Miss Sample @MissSampleChem · May 3 ...

My Industrial Cadet Bronze Award teams enjoyed their visit down to the harbour today learning about all the work that goes into offshore wind farms.

There are so many opportunities available to them right on their doorstep! 🙌 @BrochSci @FraserburghAcad @ScotSTEMAmb @SSERCSTEM



SYNERGY @ea_ope · Jun 7 ...

Gratifying to inspire pupils in the Scottish Highlands on problem solving in #RenewableEnergy. Thanks to @YESC_Scotland for the annual #STEM challenge & @VentientEnergy / @Renantis for the support. Together, we're building a brighter future! 🌍🌟 #VolunteersWeek @ScotSTEMAmb



Stemovators @Stemovators · Jun 6

STEM challenges are underway at our Highland Celebration! Big thanks to our challenge providers and our hosts!



STEM and Lfs Fife @STEMFife · Jun 5 ...

Great to visit @SSERCofficial today to see the digital garden blooming 🌱 through partnership work with Kingsroad Primary School learners. A huge well done 🙌 to everyone involved.



Steps to becoming a STEM Ambassador

1

Create your profile on the website,
www.stem.org.uk



2

Complete the online induction

3

Complete your PVG application,
including ID check



Aberdeen Section

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TECHFEST

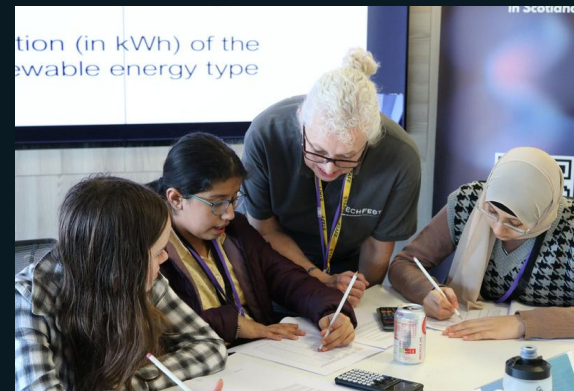
Promoting Science, Technology, Engineering and Mathematics

Scottish Charity No SC010349

WHAT IS TECHFEST?

TechFest is an Aberdeen-based charity that provides STEM learning opportunities for all ages and abilities through events, educational programmes, and community outreach.

We highlight diverse career paths, foster creativity, and empower young people to tackle global challenges. Our programs support lifelong learning, preparing students for further education or the workforce in a STEM-driven world, securing a brighter future for all.



IMPACT OF TECHFEST & VOLUNTEERING



MATHS INTO THE ENERGY MIX

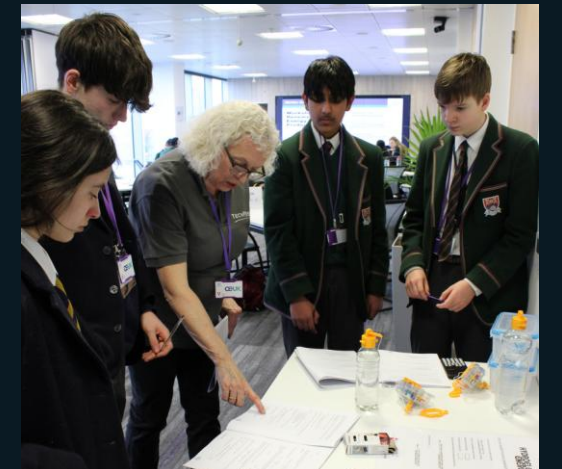
"I learned a lot from this event and it was very engaging"

"It increased my understanding in careers available in the rapid growing energy industry"

My highlight of the event was talking to the new people I met and learning about the energy types"



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People.
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STEM IN THE PIPELINE

STEM in the Pipeline is a project for secondary school pupils in S6 (aged 17-18) and was devised to give them an insight into the Energy Industry.

The STEM in the Pipeline project was developed in 2006 by TechFest in conjunction with industry professionals and, after more than 19 years, is still hugely successful. The project runs from August to December and was designed to enable teams of pupils to apply their knowledge to a realistic industry task, as well as providing an overview of the wide variety of job roles available in the Energy Industry. The project set is a challenging one – to produce a Field Development Plan.

TechFest's collaboration with sponsors and supporters continues to ensure the success of STEM in the Pipeline. Throughout the project duration, Industry Professionals from our sponsor and supporter companies voluntarily give up their time to offer unique and invaluable assistance to the teams in a variety of different roles.

Sponsored and Supported by:



APPROXIMATE STUDENTS EACH
YEAR

114

APPROXIMATE MENTORS EACH
YEAR

47

7 from SPE



"It has improved my confidence as I now know a lot more about the oil and gas industry as well as the energy industry."

"The mentors were instrumental with the success of our project."

TECHFEST

Promoting Science, Technology, Engineering and Mathematics

Scottish Charity No. SC010349

SCHOOL'S FESTIVAL

The Schools Science Festival, one of our flagship events, takes place over a week in May/June and is designed for local nurseries and primary schools.

For many pupils, it serves as their first step into STEM education, offering hands-on experiences and insights into the vast career opportunities within STEM fields.



~ 2000 PUPILS ATTEND SCHOOLS FESTIVAL EACH YEAR.

ACTIVITY WEEKEND

TechFest's Activity Weekend is a flagship, family-focused event within the festival programme, offering a wide range of interactive, hands-on STEM activities delivered by both TechFest and external presenters.

Designed to engage audiences of all ages, the weekend features themed zones, including Energy & Technology, Medical & Biology, Construction & Engineering, Maths, Space, and Under 5s, allowing families to explore STEM in an accessible and engaging way.

The event is deliberately priced to be affordable for all, with entry costing just £3 per person, ensuring families can enjoy high-quality STEM experiences regardless of background.

The programme is further enhanced by live science shows, such as those delivered in partnership with the Royal Institution, adding an exciting and memorable dimension to the experience.

APPROXIMATE ATTENDANCE
EACH YEAR

3000



COMMUNITY EVENTS



INVESTING IN OUR YOUNG PEOPLE

“My overall experience was really enjoyable, it was a great opportunity to gain my first work experience and it was so lovely seeing how happy all the children were with each workshop”



“I felt incredibly valued throughout and really appreciated being chosen to be a part of the TechFest family”

2025 ENGAGEMENT SUMMARY

Primary Pupils In Person: 18,000 +

Primary Outreach, Schools Festival, Engineer N Our Lives, Royal Institution Shows

Primary Pupils Digital: 24,000 +

Space into Energy, 24 Days of STEM

Secondary School Pupils: 1500 +

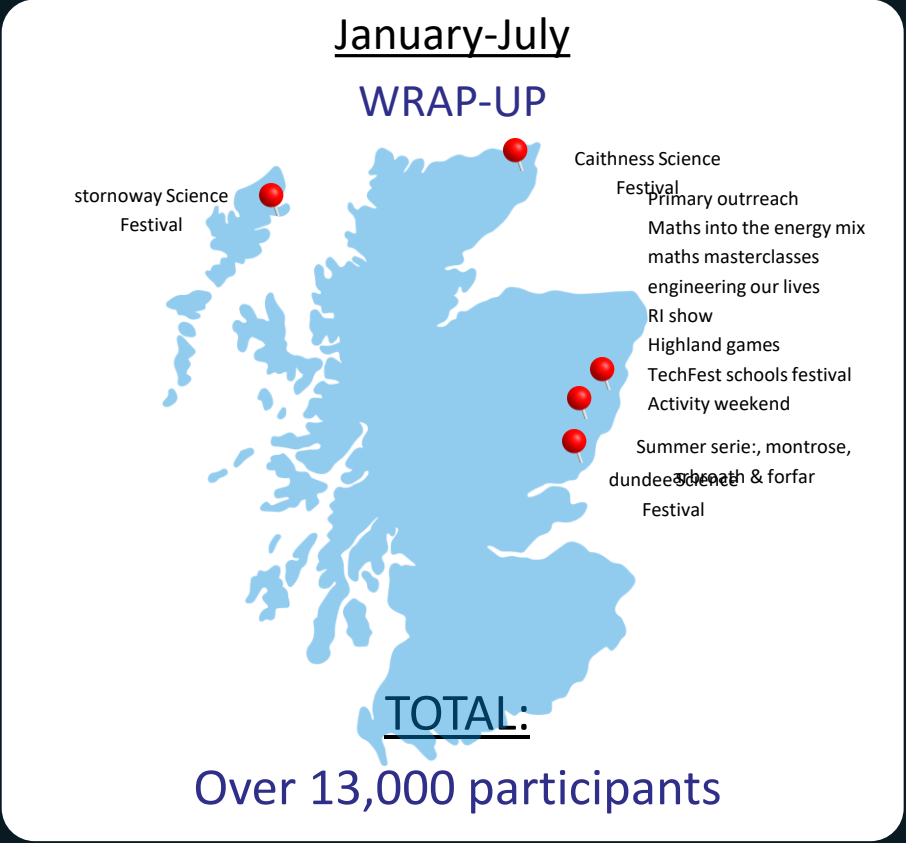
STEM Next, Maths Into , STEM in the Pipeline, Offshore Europe Education Programme, Blueprint Challenge, Mathematics Masterclasses.

Community Engagement: 21,000 +

Aberdeen Science Festival, Community Outreach, STEM in the Park, STEM for Life, Royal Institution Christmas Lectures



2026 ENGAGEMENT SUMMARY SO FAR



2026 ENGAGEMENT SUMMARY SO FAR

Primary Pupils In Person: 5,000+

Primary Outreach, Schools Festival, Dundee Science Festival, Caithness Science Festival, Royal Institution Shows

Secondary School Pupils: 2,000 +

Maths Into, Wind Energy Challenge, Blueprint Challenge, Mathematics Masterclasses, Secondary transition days

Community Engagement: 6,000 +

Community Outreach, STEM in the Park, Aberdeen Highland Games, Fife Family Fun Day, Founders Day, Storonoway Science Festival



THANK YOU!

Dr Yashka Smith

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Dr Eve Nebbiolo

evenebbiolo@techfest.org.uk

www.techfest.org.uk

Aberdeen Science Centre



About ASC



- Oldest Science Centre in Scotland
- Scottish Charity (SC014922)
- STEM Educator
- Visitor Attraction
- School & Community Groups
- Birthday Parties
- Retail Shop
- Venue Hire



Programming

General Visitors:

- Shows & Workshops
- Virtual Reality
- Under 6 Activities
- Interactive Displays
- Self-Led Activities
- Stalls

Clubs & Events

- Clubs for children aged 6-14
- Themed Open Days
- Partner Workshops
- Adult Events / Talks*

Schools, Community & Outreach

- Curriculum-linked Workshops
- Special Weeks – Offshore Wind
- Community Group Outreach
- Adult Workshops – Wellbeing
- Fairs and Festivals

**ASC mission: To inspire a lifelong interest in
Science, Technology, Engineering, and Maths (STEM)**



Programme Spotlight – Enchanted Engineering

Royal Academy of Engineering Ingenious Fund

- Recruited Engineers Across Disciplines
- Skills Academy
- Development of Fairytale Themed Activities
- Delivery Events
- We are looking for a few more engineers to create activities to be delivered at up to four sessions at ASC between October & February



Opportunities

- Volunteer with general Centre activities
- Join Specific Projects - Enchanted Engineering, Clubs
- Collaborate on new content – Have an idea? Let us know!
- Lend Expertise – **Tech!** Real World Examples, Career Profile, Events/talks

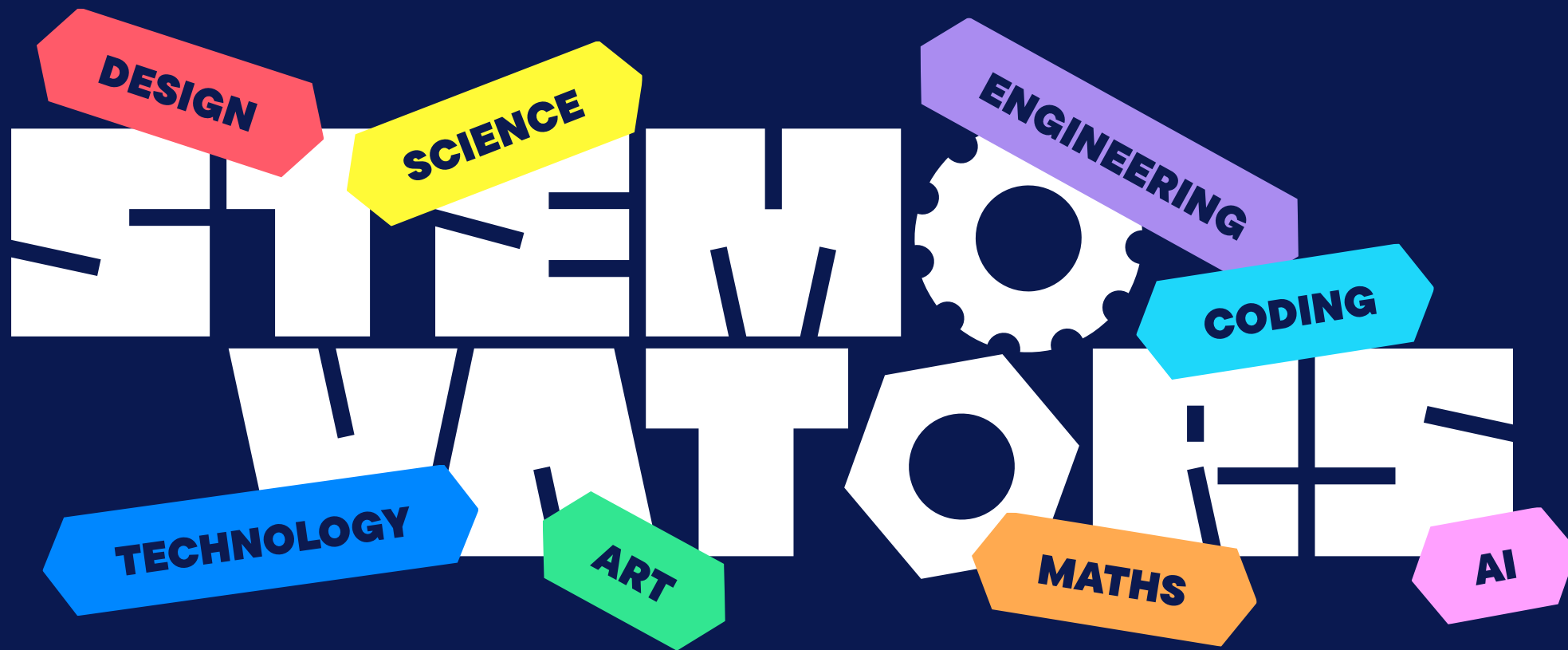


Aberdeen Science Centre

Questions?

Fiona Dobie, Schools Engagement Coordinator
Fiona.dobie@asc.scot





STEMOVATORS

Over 450



teachers trained and engaged in our programmes

298



volunteers from 77 STEM companies contributing 1,709 hours in total

Over 700

pupils took part in our regional hydrogen challenge in Aberdeen



29

local authorities had schools taking part



300



free STEM kits distributed to schools

Meaningful engagement through projects, kits, workshops and events with

312 unique schools (just over 12% of all Scottish schools)

More than 7,000

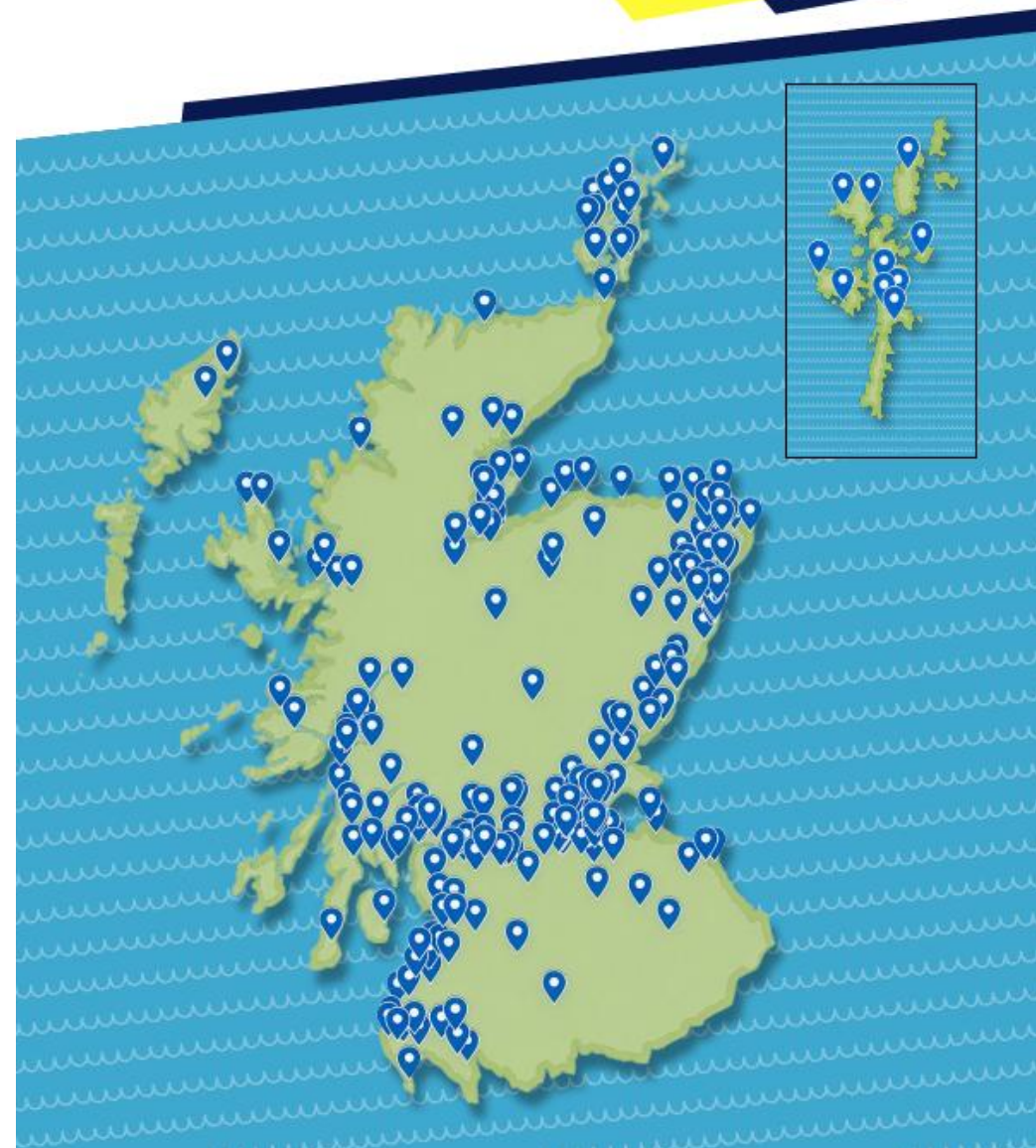
young people and teachers directly engaged across our programmes



Over 100,000

hours of engagement with Stemovators projects and events

Project and events reach





Aberdeen Schools Hydrogen Challenge

- Engaged over 700 S2 the city with workshops taking place in mid-February and a final event in March.
- Supported by 48 volunteers from 13 organisations (+ 8 STEM Ambassadors)
- Final at Hydrasun's Skills Academy with 27 finalist teams competing
- We are looking for partners to financially support the programme in 2026-27 and lots of volunteers to join our workshops





Northeast Events

- Longstanding annual event in Aberdeen (typically May each year)
- Additional event in Stonehaven and a *NEW* Peterhead event in 2027
- These events require lots of volunteer support with ~10 companies and 30 volunteers at each
- Volunteers can run simple tabletop challenges, give career talks and join school showcase judging panel



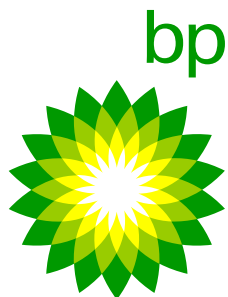


Programme Partners 2025-26

Support our programme to help us to
inspire the next generation:

hello@stemovators.scot

Lead Partners



Associate / Project Partners

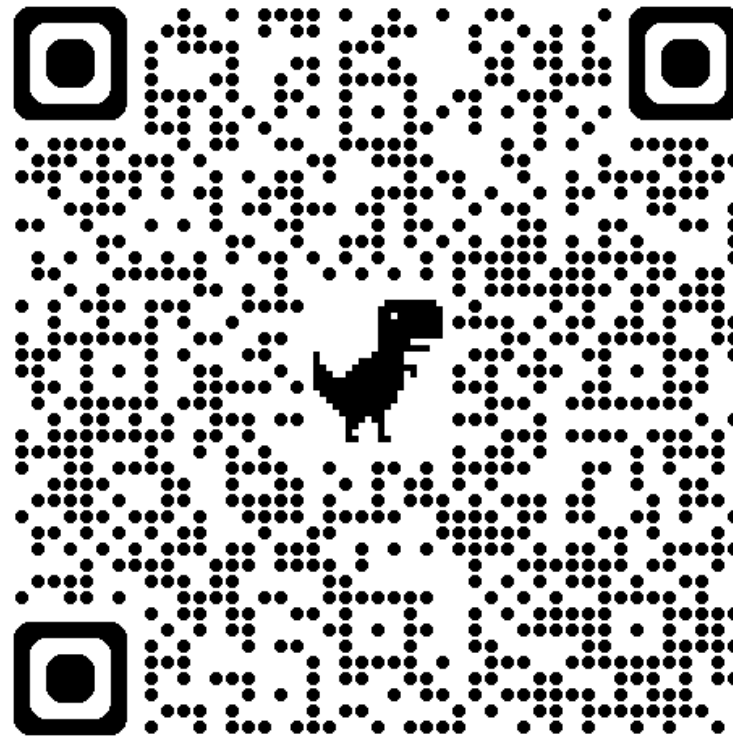




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Read our full 2025-
26 academic year
report here





DYW

NORTH EAST

Developing the
Young Workforce

JAMIE HUTCHEON

DIRECTOR

JAMIE@DYW.ORG.UK

WWW.DYW.ORG.UK



HOW TO GET INVOLVED



Business Engagement Activities

We can support you in delivering:

- Career talks, industry insights and learning experiences, workplace visits and site tours
- Employability activities, including mock interviews
- Curricular Inputs, Skills workshops and project-based challenges
- Enterprise and entrepreneurship activities



Develop Work-Based Learning Opportunities

We can facilitate and promote:

- Work experience placements
- Apprenticeship opportunities
- Entry-level jobs and early careers pathways
- Volunteering and mentoring opportunities



Strengthen Partnerships

We can support you with:

- Introductions to education and key partners
- Support to develop sustainable education partnerships
- Collaboration opportunities with wider employability partners
- Access to regional business and education networks



Support Your Workplace Needs

We can support you with:

- Insight into future skills and workforce trends
- Help identifying opportunities to engage with young people who would benefit from employer connections
- Guidance on creating inclusive opportunities and supporting positive destinations
- Supporting your business plans and ambitions

Food for thought!

- Have you ever been a STEM volunteer?
- What do you enjoy about STEM volunteering?
- Are you a STEM Ambassador or interested in becoming one?
- What influenced your career choices / pathway?
- What brought you here tonight? (aside from food and drinks!)



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Thank you on behalf of the SPE Aberdeen Schools Career Guidance Committee

Join our volunteers list or our committee by emailing
aberdeen.admin@spe-uk.org



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