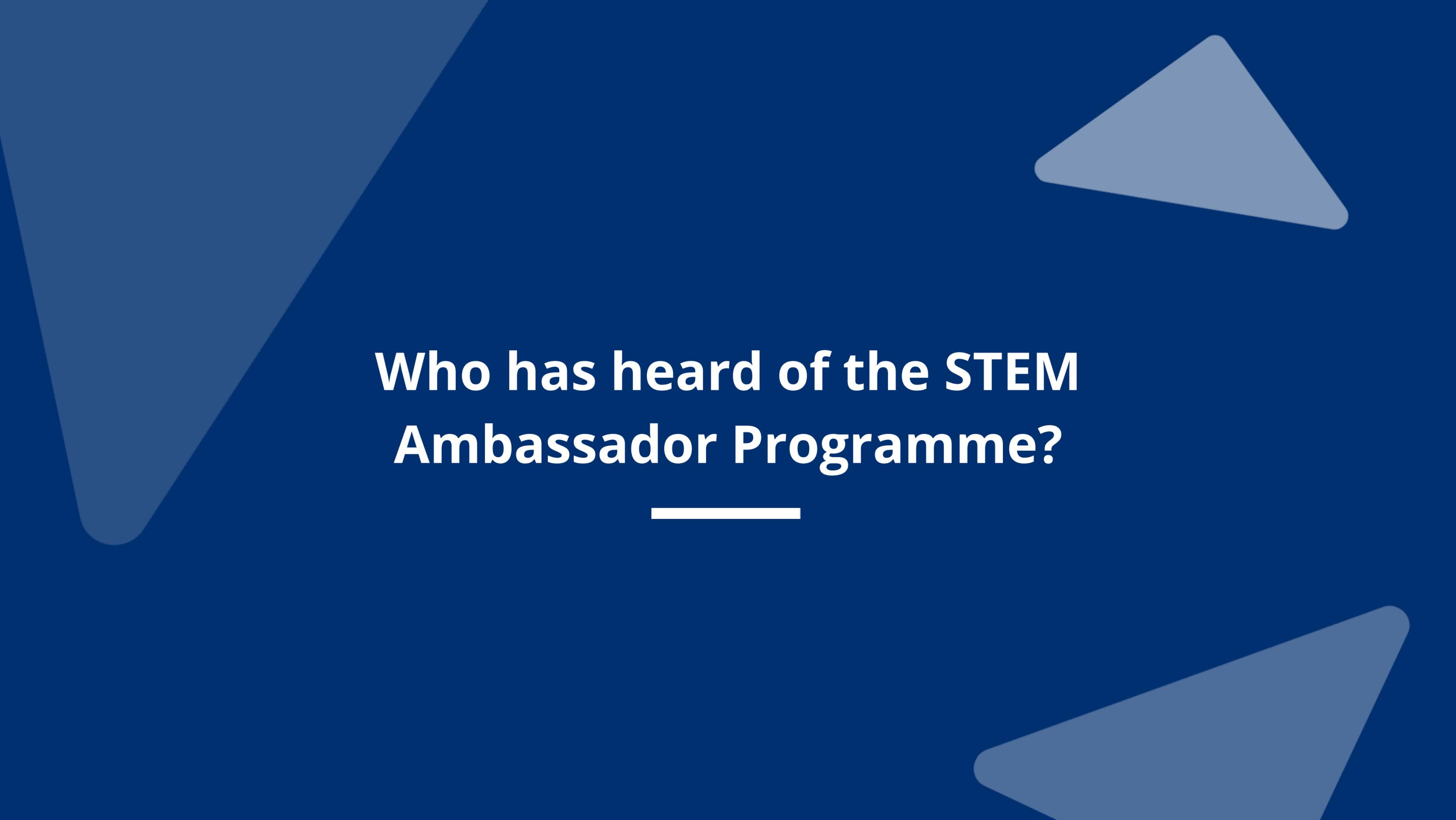


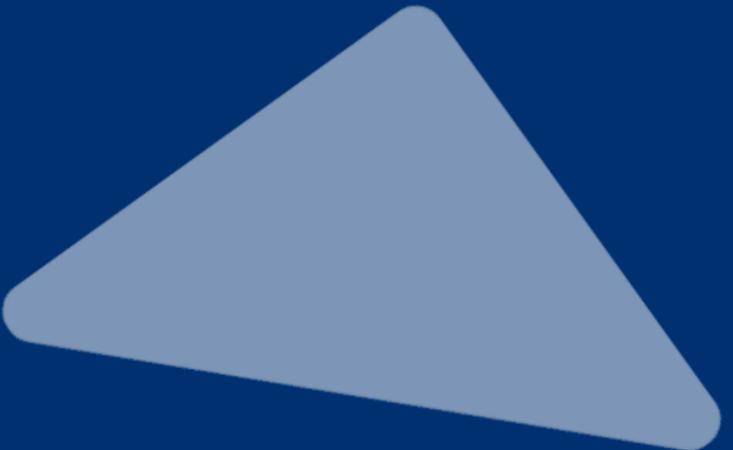
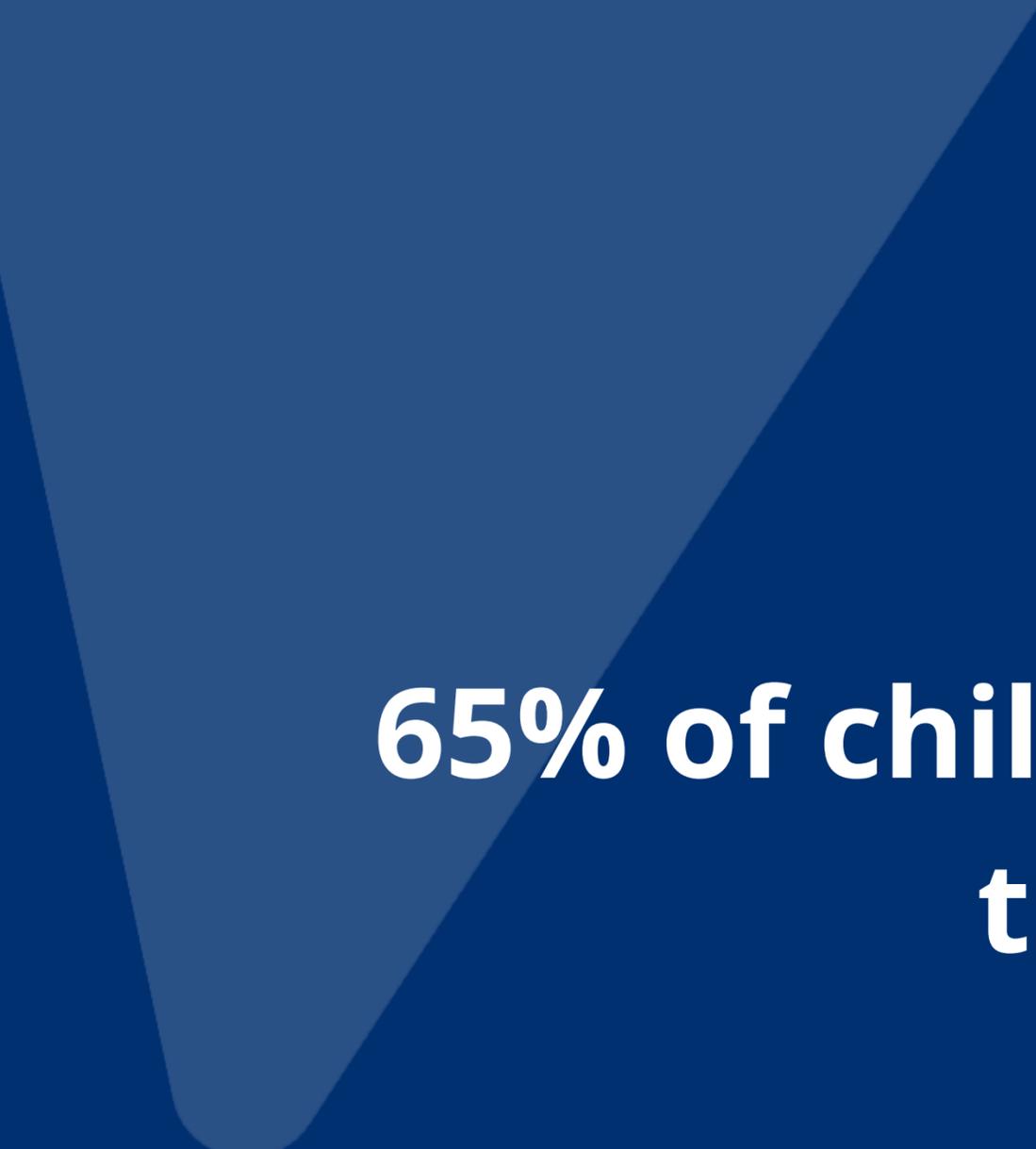
STEM Ambassadors

Debbie Mathers, Programme Manager





**Who has heard of the STEM
Ambassador Programme?**



**65% of children today will work in jobs
that don't yet exist**

World Economic Forum

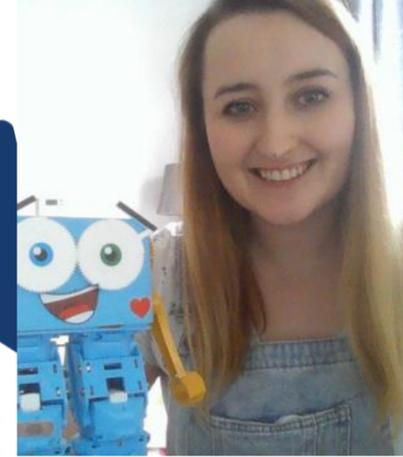




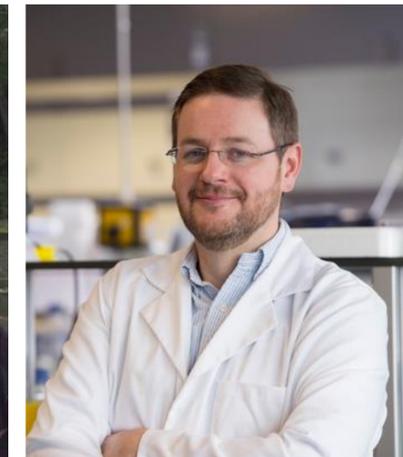
What is STEM?

- Stands for Science, Technology, Engineering and Maths
- Broadest contexts
- STEM skills everywhere

Who are STEM Ambassadors?



- A massive range of backgrounds, education, sector and experience



- Academic and industry

- All want to help open up the work of STEM and work



- Support in lots of different ways



STEM Learning & SSERC



- UK wide programme
- Managed by STEM Learning
- Different hub regions managed by different organisations
- In Scotland, the Programme is managed by SSERC
- Over 4,500 ambassadors in Scotland



Workshops



Talks



Demonstrations



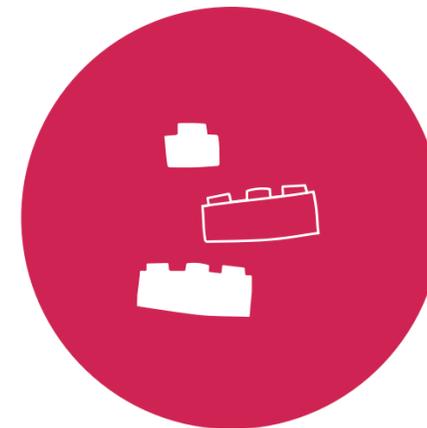
Site visits



Projects



Mentoring



Resource Creation



Competitions

Benefits

- Different experiences
- Providing knowledge and insight
- Access to areas of STEM learners might not get otherwise
- Help deliver STEM areas of the curriculum
- Fun and exciting
- Support from the SAIS Hub and access to resources



National 5 Laboratory Science STEM ambassador Outreach Programme

📅 16/12/2022	🕒 1 hour	📍 Newlands Road
Number of Participants	Age Range	Ambassadors
20	14-16 years 16-19 years	10

👤 Owner

🏢 Participating Organisations

📌 Activity Type

STEM Presentation / Q&A

🔗 Schemes

None

✔ Aim

To encourage pupils to consider STEM pathways and to introduce them to a wide range of different STEM opportunities



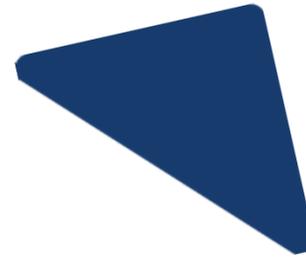
i Description

We are looking for a wide range of STEM ambassadors to get involved with our Senior National 5 Lab Science class. The sorts of activities we are looking for is talks about experiences, workshops or possibly site visits with the class or classes. We are flexible with dates and are hoping to get a very wide range of STEM areas to show pupils as wide a range of opportunities as possible.

What could you request

- Technical expertise
- Employability
 - S2 careers events/course choice events
 - Careers Fairs/Employability events/Speed networking
- Online and/or in-person
- Topic support

Resources



- STEM Ambassadors in Scotland online resource library
- STEM Learning resource library
 - 2,108 resources under design and technology



Audience

- Educators/Leaders (20)
- STEM Ambassador (17)
- 9-12 (16)
- 7-9 (14)
- 11-13 (13)
- 13-15 (10)
- 5-7 (10)
- 16+ (6)
- Under 5 (5)

Resource type

- Online (18)
- Physical (14)

Topic

- Maths (23)
- Technology (17)
- Science (16)
- Information (15)
- Computing (12)
- Engineering (12)
- Careers (11)
- Physics (10)
- Biology (9)
- Space (9)
- Chemistry (8)
- Environmental (7)

Resource Hub

The screenshot displays a 'Resource Hub' interface with a filter sidebar on the left and six resource cards in a 2x3 grid. The filter sidebar includes sections for Audience, Resource type, and Topic, each with a list of categories and counts. The resource cards are:

- BBC Micro:Bit Classroom Pack:** Features an image of three micro:bit boards. Description: 'The micro:bit makes it easy to have immediate success with coding. It's great for simple, tangible introductions to digital and computing technologies.' Includes a 'View resource' button.
- SSERC Primary Maths Kits:** Features an image of a person at a table with a whiteboard. Description: 'Resources and lesson plans for fun early and first level maths activities.' Includes a 'View resource' button.
- Fun Maths Roadshow:** Features an image of a classroom. Description: 'The FunMaths Roadshow is a collection of 350 mathematical activities suitable for use with school pupils, college students, and university undergraduates.' Includes a 'View resource' button.
- Marty the Robot:** Features an image of a blue humanoid robot. Description: 'Teach coding with this simple, easy to use and robust humanoid robot.' Includes a 'View resource' button.
- VEX GO Classroom Bundle:** Features an image of VEX GO robot parts. Description: 'VEX GO is a STEM construction system that uses the VEX IQ plastic construction system and adapts it for the younger student.' Includes a 'View resource' button.
- Explore Our World:** Features an image of a blue banner with the text 'EXPLORE OUR WORLD'. Description: '3 challenges designed by SSERC Biology - for Biology and Environmental Science students.' Includes a 'View resource' button.

Next Steps



Registering

<https://www.stem.org.uk/user/register>

Register as a new educator



Contact



Keep up to date on our news by creating a profile at www.stem.org.uk and ticking the newsletter box



stemambassadors@sserc.scot



stemambassadors.scot

