

STEM Engagement calendar

SSERC offers a wide range of STEM engagement and enrichment programmes to further increase access to, and participation in STEM, well beyond the classroom setting. There are leadership opportunities for young people with the Young STEM Leader Programme as well as programmes to link educators in all sectors with industry partners and STEM Ambassadors to create enhanced STEM learning events for young people in Scotland.



UPCOMING EVENTS 2022

Young STEM Leader Tutor Assessor Training (all levels)

Type	Online training session	
Date	Thursday 6 October	16.00 – 18.00
	Tuesday 15 November	16.00 – 18.00
	Wednesday 30 November	16.00 – 18.00
Details	Become a Tutor Assessor to deliver all levels of the Young STEM Leader Programme.	

Tutor Assessor Connections – first Monday of every month

Type	Online session	
Date	Monday 3 October	16.00 – 17.00
	Monday 7 November	16.00 – 17.00
Details	Networking and best practice sharing session for existing Tutor Assessors for the Young STEM Leader Programme. Each month follows a different theme and has a range of speakers from centres across the country, as well as a chance to discuss your own ideas.	

Young STEM Leader Tutor Assessor Training (non-formal levels)

Type	Online training session	
Date	Tuesday 4 October	16.00 – 18.00
	Thursday 27 October	16.00 – 18.00
	Thursday 24 November	16.00 – 18.00
Details	Become a Tutor Assessor to deliver the Young STEM Leader Programme at Curriculum for Excellence Second, Third and Fourth Levels.	

Young STEM Leader Week

Type	Celebration week	
Date	31 October – 4 November 2022	
Details	Everyone involved in the Young STEM Leader Programme is invited to join in with this year's #YoungSTEMLeaderWeek . Across the week there will be events, training, challenges and more for YSLs to engage with. Visit www.youngstemleader.scot/young-stem-leader-week-2022 to find out more.	

Young STEM Leader Programme Kickstart Session (for existing Tutor Assessors)

Type	Online training session	
Date	Tuesday 25 October	16.00 – 17.00
	Monday 21 November	16.00 – 17.00
Details	Trained to be a Tutor Assessor but need some more guidance on how to get started? This refresher course will help to kickstart your YSLP journey.	

Young STEM Leader Information Session

Type	Online session	
Date	Wednesday 8 November	16.00 – 17.00
Details	Find out more about the Young STEM Leader Programme and how it can be delivered in your centre.	



Wider STEM Engagement

Available online soon...

If you have missed the September events listed below don't worry. These have been recorded and will be available via the STEM Ambassadors website in due course.

Maths and Art – Beethoven's Metronome	
Type	Online event for schools
Details	Meet STEM Ambassador and student Carmela Silva Mason as she looks into Beethoven's music and the differences between written and performed versions. Find out how the invention of the metronome had an impact on music history. This free talk is suitable for ages 11+ and practitioners who want to learn a new activity, available to all UK settings. https://www.stemambassadors.scot/event-details/maths-and-art-beethovens-metronome

Maths in the Real World – Vertical Farming	
Type	Online event for schools
Details	Cameron Williamson is a Mechanical Engineer who has worked on submarines and aircraft carriers and now puts his skills to use overcoming technology challenges in vertical farming. Find out how maths has played a role in Camerons career and the opportunities it has provided plus how he puts it to use creating indoor eco systems. Age 11+ https://www.stemambassadors.scot/event-details/maths-in-the-real-world-vertical-farming

STEMazing structures (interactive)	
Type	Online event for schools
Details	Anne Okafor, construction planner leads this session for learners age 5 - 10 all about picking the best shapes to build with. If you want to take part in the construction challenge on the day you will need sellotape and 8 x A4 pieces of paper. This free talk is suitable for ages 5 -10 and practitioners who want to learn a new activity, available to all UK settings. https://www.stemambassadors.scot/event-details/stemazing-structures-interactive-session-shapes-in-construction

Maths and Art – symmetry and shapes in art and nature	
Type	Online event for schools
Details	Dr Elizabeth Dombi is a teaching fellow in Mathematics and leads this session looking at symmetries in art and nature. She will demonstrate how to create beautiful symmetrical shapes and patterns using only straight lines. This free talk is suitable for ages 10+ and practitioners who want to learn a new activity, available to all UK settings. https://www.stemambassadors.scot/event-details/maths-and-art-symmetry-and-shapes-in-art-and-nature

Maths in the Real World – Displaying Data in Finance	
Type	Online event for schools
Details	Alastair Robb is a Finance Manager at Balfour Beatty who turns large amounts of data into easily understood representations such as bar/line and pie charts. Find out how maths has played a role in Alastair's carer and within a large company. The talk will be followed by the opportunity for participants to ask questions. This free talk is suitable for upper primary and throughout secondary years across all subjects as well as for practitioner who want to develop their own knowledge. https://www.stemambassadors.scot/event-details/maths-in-the-real-world-displaying-data-in-finance



Wider STEM Engagement

Maths in the Real World – Science & Engineering	
Type	Online event for schools
Details	<p>Dean McLean, Line Engineer will look at how various aspects of maths are used in engineering. From speed/distance and time to area, volume and statistics, find out why these skills could be important for your future.</p> <p>This free talk is suitable for upper primary and throughout secondary years across all subjects as well as for practitioner who want to develop their own knowledge, available to all UK settings.</p> <p>https://www.stemambassadors.scot/event-details/maths-in-the-real-world-science-engineering</p>
Maths in the Real World – Construction Planning	
Type	Online event for schools
Details	<p>Anne Okafor is a Construction Planner who despite having anxiety around maths in earlier years has gone on to overcome this and help others to do the same.</p> <p>Find out how maths is used to collect data and then used in the decision-making process during construction planning</p> <p>The talk will be followed by the opportunity for participants to ask questions.</p> <p>This free talk is suitable for upper primary and throughout secondary years across all subjects as well as for practitioner who want to develop their own knowledge, available to all UK settings.</p> <p>https://www.stemambassadors.scot/event-details/maths-in-the-real-world-construction-planning</p>
Maths and Art – 3D Visualisation from the Glasgow School of Art	
Type	Online event for schools
Details	<p>STEM Ambassador Daisy Abbot work for the Glasgow School of Art based in the School of Simulation and Visualisation.</p> <p>Find out how maths and technology such as laser scanning can be used in art, anatomy and much more using 3D visualisation.</p> <p>This free talk is suitable for ages 8 - 12 and practitioners who want to learn a new activity, available to all UK settings.</p> <p>https://www.stemambassadors.scot/event-details/maths-and-art-3d-visualisation-from-the-glasgow-school-of-art</p>
Maths in the Real World – Match statistics in Rugby	
Type	Online event for schools
Details	<p>Find out how maths is used to collect match data which is used to help coach teams to perform better, though maths didn't belong in sports? Think again.</p> <p>The talk will be followed by the opportunity for participants to ask questions.</p> <p>This free talk is suitable for upper primary and throughout secondary years across all subjects as well as for practitioner who want to develop their own knowledge, available to all UK settings</p> <p>https://www.stemambassadors.scot/event-details/maths-in-the-real-world-match-statistics-in-rugby</p>
Maths in the Real World – Using Percentages for Community Benefit	
Type	Online event for schools
Details	<p>Jane Elder is a Social Value Coordinator who helps to ensure the work that her construction company does also benefits the community.</p> <p>Find out how maths is used monitor and report social impact and the skills that are used such as percentages and formulas to convey this information to others.</p> <p>The talk will be followed by the opportunity for participants to ask questions.</p> <p>This free talk is suitable for upper primary and throughout secondary years across all subjects as well as for practitioner who want to develop their own knowledge, available to all UK setting</p> <p>https://www.stemambassadors.scot/event-details/maths-in-the-real-world-using-percentages-for-community-benefit</p>

