

What do STEM Ambassadors do?



There is always a wide range of STEM opportunities available, from hands-on activities to competitions and after school clubs.

The types of activities that Ambassadors typically support include, assisting with STEM clubs, providing an insight into career opportunities, facilitating workplace visits and/or working as mentors, as well as attending careers fairs and judging competitions.

We are often asked by teachers:

“STEM Ambassadors, what will they do?”

"How much work is involved?"

“How do I include Ambassadors in my Lessons?”

"My school doesn't have a big budget, what's the cost?"

To help answer these questions, we have developed a range of Activity Models which cover a range of activity that can be undertaken by Ambassadors in schools. Each model has been designed as a 'lesson plan' and should be simple to use by teachers and STEM Ambassadors alike.

BTEC Inspiration

[Open all sections](#)

Do you sometimes find that your students doubt the validity of the vocational qualifications they are studying, leading to a lack of motivation? This activity will use an ambassador role model to inspire and motivate showing the relevance of alternative pathways of study; you don't always need A Levels to have a STEM career! Show how the vocational nature of this study is relevant to real work contexts. Real Scientists write lab reports!

Download [BTEC Inspiration Activity Model \(PDF - 334 KB\) \(/Documents/stem-centre/BTEC-Inpiration-PDF-334Kb.pdf\)](#)

Careers speed dating

This event provides a chance for your students to 'speed meet' a number of STEM professionals. Using quick fire probing questions, students will gather information on a number of STEM careers. Inspire your class and update your knowledge with this fast paced careers session.

Download [Careers speed dating Activity Model \(PDF - 324KB\) \(/Documents/stem-centre/Career-Speed-dating-PDF-324KB.pdf\)](#)

Discuss science in our lives

Scientific advancement can cause controversy and debate. Sometimes there are no easy answers. Give your students a chance to develop their communication skills and an awareness of ethical issues within an informal group. A STEM Ambassador will be your guest speaker and hopefully the conversation will flow.

Download [Discuss science in our lives Activity Model \(PDF - 355KB\) \(/Documents/stem-centre/discuss-science-in-our-lives-PDF-355KB.pdf\)](#)

Meet the STEM professional

From engineers to medical physicists and from cancer researchers to accountants, STEM Ambassadors come in all shapes and sizes. This activity gives your class a chance to find out about a variety of careers. After a presentation students can question and complete a short activity linked to your visitor's career. This truly hands-on career session will allow your students to have a go for themselves.

Download [Meet the STEM professional Activity Model \(PDF - 329KB\) \(/Documents/stem-centre/meet-the-stem-professional-PDF-329KB.pdf\)](#)

Mock interviews

Being able to succeed in interviews is a skill we all need throughout our lives but have little opportunity to practise. This activity will give your students the chance to gain some valuable interview techniques and feedback on their CV with impartial STEM professionals who have experience of the current workplace. Your students can develop confidence, start to analyse their strengths, identify skills and match them to relevant tasks to take them through any up and coming interviews for college, university or employment.

Download [Mock Interviews Activity Model \(PDF - 341KB\) \(/Documents/stem-centre/mock-interviews-pdf-341kb.pdf\)](#)

STEM all around us

How often do students ask 'Why we are doing this?' This activity illustrates the strong links between all four STEM subjects and helps highlight how much overlap there is in many jobs. It will add a real-world context to lessons and build career aspirations in an interactive session.

Download [STEM all around us Activity Model \(PDF - 348KB\) \(/Documents/stem-centre/STEM-all-around-us-PDF-348kb.pdf\)](#)

Inspiring assembly talks

Do you need to deliver a STEM-themed assembly to give your students a boost? Kindle their interest in STEM subjects and careers or increase motivation and determination? Why not get a STEM Ambassador in to deliver a short assembly presentation.

Download [Inspiring assembly talks Activity Model \(PDF - 334KB\) \(/Documents/stem-centre/inspiring-assembly-talks-PDF-334KB.pdf\)](#)

Club support

Do you want to bring a little extra variety into your extra-curricular club? Why not invite a STEM Ambassador in to support you? They can bring a real-world context to any project that you are doing. They can act as judges or launch a project. They can even bring in fun one-off activities.

Download [Club support Activity Model \(PDF - 326KB\) \(/Documents/stem-centre/Clubs-support-PDF-326KB.pdf\)](#)

What to do now?

- Request a STEM Ambassador using our [online form \(/forms/stem/Ambassador-Request-Form.frm\)](#) or download a [Request Form \(/Documents/stem-centre/Master-Copy-STEM-Ambassador-Request-Form.doc\)](#) (Word - 44KB).
- Take a look at our latest [feedback \(/schools/STEM-centre/news/Success-STEM-Ambassador-Activities.aspx\)](#) from teachers and read about events happening at other schools in the area
- Hear from ambassadors on their experiences volunteering on [STEMNetworking \(http://networking.stemnet.org.uk/\)](#)
- Take a look at our [Resources \(/schools/STEM-centre/information-for-teachers/useful-links.aspx\)](#) page for current opportunities and ideas
- [Contact us \(/schools/STEM-centre/contact/index.aspx\)](#) to discuss your school's specific needs.

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