



STEM Ambassadors An Introduction

7th November 2019

Liz Smith

West Midlands STEM Ambassador Hub



STEM Learning operates the STEM Ambassador Hubs, the National STEM Learning Centre and Network, alongside other projects supporting STEM education www.stem.org.uk

Become a STEM ambassador - Why?

Being a STEM Ambassador is about engaging and enthusing young people with science, technology, engineering and mathematics.

You will help encourage students to consider further study of STEM subjects and progression into related careers, inspiring the next generation of STEM professionals



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The benefits.....



ACTIVITIES YOU CAN DO

When it comes to STEM Ambassador activities, the opportunities are endless.

Activities you can do



RESOURCES

Discover new and exciting resources to use in your STEM Ambassador activities.

Resources



TRAINING AND SUPPORT

Access a range of resources and training to help you deliver your activities.

Training and support



AWARDS AND RECOGNITION

Be recognised for your work by applying for our STEM Inspiration awards.

STEM Inspiration awards

What can STEM ambassadors do?

Activities you can do

STEM Ambassadors get involved in a range of activities to impact on young people's learning and enjoyment of STEM subjects. When it comes to the types of activities you can do, the opportunities are endless.



Classroom



STEM Club activities



Careers talks



Speed networking



Mentoring



Site visits and hosting work experience



Large science festivals and fairs



Community and youth groups

CAREERS TALKS

STEM careers and advice sessions.

CPD FOR EDUCATORS

Develop and run professional development activities.

EMPLOYABILITY SKILLS

Help with mock interviews and CV writing.

EVENTS AND EXHIBITIONS

Support an exhibition, event or enrichment day.

ADVICE

Provide support to governors, headteachers and senior leaders.

JUDGE A COMPETITION

Judge a STEM-related competition or challenge.

MENTORING

Provide mentoring or support with STEM projects and activities.

PRACTICAL WORK

Hands-on practical work to engage students with STEM subjects.

STEM resources

Filter by subject

- Careers (106)
- Computing (25)
- Creative arts and media (0)
- Cross curricular (3)
- Design and technology (36)
- Engineering (27)
- Food Preparation and Nutrition (1)
- Health and safety (0)
- Leadership (0)
- Mathematics (38)
- Personal development (0)
- Psychology (0)
- Science (54)
- STEM Clubs (0)
- STEM Clubs (0)

Filter by key stage

- EYFS (0)
- Key stage 1 (2)
- Key stage 2 (10)
- Key stage 3 (91)
- Key stage 4 (122)
- Post 16 (75)

Studying Engineering at university

QUALITY ASSURED TYPE: STEM AMBASSADOR

This Tomorrow's Engineers booklet, for students aged 16 to 19, explains the benefits of choosing a degree in engineering and helps with the decision-making process around courses and disciplines. Engineering skills are in high demand, so for students looking for a creative and practical job that makes a difference...

10 great reasons to become a scientist or engineer

QUALITY ASSURED TYPE: STEM AMBASSADOR

A colourful display poster to inspire young learners to consider the exciting and meaningful careers available in science, technology, engineering and maths.

Make a difference, travel the world, invent something important, earn great money, solve the world's biggest challenges, gain respect and do something...

A guide to vocational and apprenticeship routes into engineering

QUALITY ASSURED TYPE: STEM AMBASSADOR

There are different routes into engineering, including apprenticeships, university and vocational qualifications. Apprenticeships combine on-the-job training with studying for vocational qualifications, or even a degree at university.

This Tomorrow's Engineers booklet, aimed at 14 to 19-year-olds, answers...

Make a difference - be an engineer

QUALITY ASSURED TYPE: STEM AMBASSADOR

This interactive presentation from Tomorrow's Engineers introduces 11-14-year olds to engineering, inspiring them to think about a career in this sector. Developed in collaboration with the Institution of Mechanical Engineers, Institute of Physics, Institution of Civil Engineers and the Institution of Engineering...

STEM resources

Software engineer

QUALITY ASSURED TYPE: STEM AMBASSADOR

Stuart is a software engineer with IBM, he discusses his role in this video. The role involves writing code to test new software developing new software. An avid sport fan, having grown up in the north east, he enjoyed studying maths, physics and IT at school and continued to university to pursue software...

e-commerce business analyst

QUALITY ASSURED TYPE: STEM AMBASSADOR

Matthew is an e-commerce business analyst for Spicers, he discusses his role in this video. The role is Semi technical, semi people orientated, requiring problem solving, good communication skills and the ability to translate technical language to the business person and vice versa. He enjoyed sciences at school...

ICT specialist

QUALITY ASSURED TYPE: STEM AMBASSADOR

Kyleigh is an ICT specialist for RAF Whittering, she discusses her role in this video. As an ICT specialist she supports IT equipment at stations and on deployment, looks after networks, servers, hardware and software. It is an essential role, to ensure communication continues between UK and other overseas teams...

IT architect

QUALITY ASSURED TYPE: STEM AMBASSADOR

Judith is an IT architect for IBM, she discusses her role in this video. The role involves delivering an IT solution, ensuring the plan and basics are in place and coordinating teams of people to bring the work together efficiently and cost effectively. Having had a strong academic background, her father an...

IT consultant

QUALITY ASSURED TYPE: STEM AMBASSADOR

William is an IT Consultant for NVT Group, he discusses his role in this video. His role involves providing day to day support on various technologies as well as being an architect for new IT solutions and processes. He is involved in a project from initiation to implementation and enjoys the variety in each day...

IT specialist

QUALITY ASSURED TYPE: STEM AMBASSADOR

Felix is an IT specialist at IBM, he discusses his role in this video. He is involved in designing, implementing, building or testing customers' computer systems. He enjoyed the sciences, business and maths at school, studied at University in London and was able to work at IBM during his 3rd year...

Training and support

Training and support

Whether you are a new STEM Ambassador or have been volunteering for years, discover a range of support to develop your skills and increase your confidence.

Training



INSPIRING YOUNG PEOPLE IN STEM

Through our programme of online CPD, discover how to plan and carry out effective STEM Ambassador activities.

These free online courses have start dates to indicate supported periods, but are available to access throughout the year.

[Online CPD](#)



POWERFUL PRACTICALS

The more interactive and hands-on you can make your activities, the more engaging they will be.

[Powerful practicals](#)



PEOPLE LIKE ME

The People Like Me campaign is designed to speak to girls aged 11-14 and demonstrate that STEM is for people like them.

[People Like Me](#)



INDUCTION

If you have just registered as a STEM Ambassador, you can complete an induction. This can be carried out either face-to-face through your local STEM Ambassador Hub or online.

[Find out more](#)



MENTORING

Develop your mentoring skills with a one-day course, which can be delivered by your local STEM Ambassador Hub.

[Contact your local Hub](#)

How are STEM ambassadors recognised and rewarded ?



AWARDS AND RECOGNITION

Be recognised for your work by applying for our STEM Inspiration awards.

Your STEM Ambassador journey

1. Register as a STEM Ambassador.
2. Connect to your local STEM Ambassador Hub
3. Complete your free of charge Enhanced Disclosure Check.
4. Complete an induction.
5. Receive your ID card and become an approved STEM Ambassador.
6. Start volunteering.



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Where to start..... www.stem.org.uk

Create an account

Please fill in your details. On completion, you will receive an email from us with an activation link allowing you to confirm your registration.

I am registering as a... *

Working in education – Teacher, technician, trainee teacher, administrator

If you are a teacher, technician, trainee teacher or working in an education setting and would like access to our resources, STEM Ambassadors and CPD including booking on behalf of others, sign up here.



STEM volunteer – become a STEM Ambassador

If you work in a STEM-related role and would like to join the STEM Ambassadors programme, sign up here.



Youth or community group leader

If you are the leader or manager of a youth, community group or non-school based group, sign up here.



An employer or professional institution - Manager of STEM education activities

If you are the official representative for your company or professional institution, such as a HR manager, sign up here.



Registration is completely free

Becoming a member will allow you to:

- Access thousands of resources
- Book onto our CPD activities
- Sign up to eNewsletters
- Contribute to online groups

Registering is free, quick and easy! If you have any problems please [contact us](#).



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Create an account

Please fill in your details. On completion, you will receive an email from us with an activation link allowing you to confirm your registration.

Title *

- Select a value - ▼

First name *

Surname *

IMPORTANT: If you are registering for a **STEM Ambassador** account, please ensure that the first name and surname you provide are identical to your official ID documents as these will be needed to carry out your Disclosure and Barring Service check (DBS).

Username *

This is your public screen name and will be visible to other users of the website.

Spaces are allowed; punctuation is not allowed except for periods, hyphens, apostrophes and underscores.

Email address *

Confirm e-mail address *

Password *

Password strength:

Confirm password *

Provide a password for the new account in both fields.

Registration is completely free

Becoming a member will allow you to:

- Access thousands of resources
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- Sign up to eNewsletters
- Contribute to online groups

Registering is free, quick and easy! If you have any problems please [contact us](#).

My Dashboard

The dashboard features a top navigation bar with the STEM Learning logo and links for RESOURCES, CPD, STEM CLUBS, STEM AMBASSADORS, ENRICHMENT, and NEWS AND VIEWS. A left sidebar contains a menu with options: DASHBOARD, PROFILE, RESOURCES, GROUPS, MAGAZINE, STEM AMBASSADORS, ACTIVITIES, and TRAINING. The main content area is titled "Ambassador Dashboard" and shows the user is logged in as Elizabeth Smith. It is divided into three main sections: "My Profile", "Profile Status", and "Activities".

My Profile

Name	Elizabeth Smith
Email address	[Redacted]
Organisation	University of Worcester
Current role	Schools Manager

Profile Status

About me	100% completed
My employment	83% completed
Preferences	100% completed

Activities

78	You have 78 matches	Your matches
0	You have 0 activities requiring feedback	Your feedback
0	You have 0 upcoming activities	View upcoming
44	You have 44 closed activities	View closed

My Dashboard

STEM AMBASSADORS



ACTIVITY

Browse

My matches

Upcoming activities

Require feedback

Expressed interest

Add activity

Completed activities

Cancelled activities



TRAINING

Take a look
at your
matches
here

Organisation

University of Worcester

Current role

Schools Manager

Edit my profile

Profile Status

About me



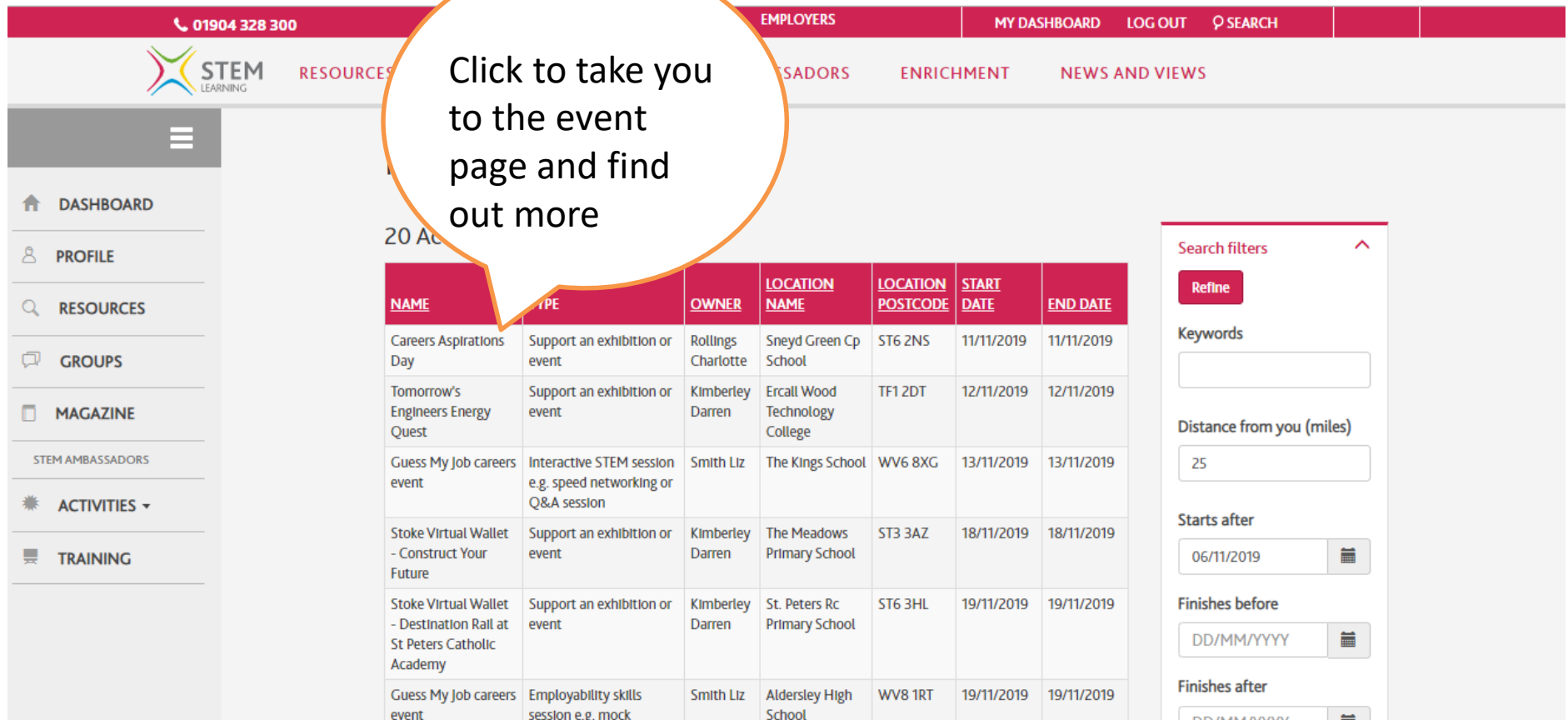
My employment



Preferences



My Matches



01904 328 300

EMPLOYERS MY DASHBOARD LOG OUT SEARCH

STEM LEARNING RESOURCES

AMBASSADORS ENRICHMENT NEWS AND VIEWS

20 Ac

Click to take you to the event page and find out more

NAME	TYPE	OWNER	LOCATION NAME	LOCATION POSTCODE	START DATE	END DATE
Careers Aspirations Day	Support an exhibition or event	Rollings Charlotte	Sneyd Green Cp School	ST6 2NS	11/11/2019	11/11/2019
Tomorrow's Engineers Energy Quest	Support an exhibition or event	Kimberley Darren	Ercall Wood Technology College	TF1 2DT	12/11/2019	12/11/2019
Guess My Job careers event	Interactive STEM session e.g. speed networking or Q&A session	Smith Liz	The Kings School	WV6 8XG	13/11/2019	13/11/2019
Stoke Virtual Wallet - Construct Your Future	Support an exhibition or event	Kimberley Darren	The Meadows Primary School	ST3 3AZ	18/11/2019	18/11/2019
Stoke Virtual Wallet - Destination Rail at St Peters Catholic Academy	Support an exhibition or event	Kimberley Darren	St. Peters Rc Primary School	ST6 3HL	19/11/2019	19/11/2019
Guess My Job careers event	Employability skills session e.g. mock	Smith Liz	Alderley High School	WV8 1RT	19/11/2019	19/11/2019

Search filters

Refine

Keywords

Distance from you (miles)

25

Starts after

06/11/2019

Finishes before

DD/MM/YYYY

Finishes after

DD/MM/YYYY

Express an interest

Careers Aspirations Day

11/11/2019 5 hours miles from you Sneyd Green Cp School

Number of Participants	Age Range	Ambassadors
90	11-14 years	3

Owner
Charlotte Rollings

Participating Organisations

Activity Type
Support an exhibition or event


Schemes
None

✓ Aim
To encourage and engage with students to discuss future career aspirations

Description
The day will start with an assembly session with 3/5 employer volunteers in attendance in which the children will explore with them what they do in their day to days jobs and what inspired them to take that career route. The day will then continue with a carousel of hands on activities led by LBD communicators and supported by the employer volunteers to explore employability skills

★ Skills
any stem experience

[Express Interest](#)



Address
Sneyd Green Cp School,
Sneyd Street,
Stoke-on-Trent,
ST6 2NS

[Get directions](#)

[Flag as "inappropriate"](#)

Click here to
Express your
interest

Position offered / accepted

all these forms must be completed during sessions, prior to the interview day.

Interviewers will be given the opportunity to read the application forms of the pupils they are interviewing before the interview takes place. No experience of interviewing is required, all volunteers will be briefed in the morning and provided with interview questions and feedback forms but please feel free to use your own questions if you wish to. For most pupils this will be the first time they've been presented with an interview situation, therefore it is a fantastic way to introduce them to the process and help them to understand what to expect. Pupils benefit from external people encouraging them to think about their strengths, weaknesses, thoughts for the future in terms of careers and work experience.

★ Skills

No experience of interviewing is required

John |

Offer Accepted ▼

Alan |

Position Offered ▼

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Feedback

Feedback From Ambassador Martin Khechara

Overall success of the activity*



Preparation time (hours)*

Please tell us what impact this activity had on what you wanted to achieve:

Please rate the support you received to deliver this activity:

Personal/Professional Development*

Support you receive in delivering your activity*

Sense of achievement, reward and satisfaction



From the school, college, youth group or other organisation

N/A

Outcomes*

From the STEM Ambassadors Hub

N/A

Support local community



From the STEM Ambassadors website

N/A

Increase my organisation's profile/recognition



Where did you get the resources to help you deliver this activity? e.g. equipment, information sheets etc.*

Support my organisation to develop links with schools/community



Online from www.stem.org.uk

Inspire and inform young people about STEM



My local STEM Ambassador Hub

Challenge stereotypes about STEM careers



My organisation/employer

Used my own resources

Host organisation e.g. school, youth club, or other organisation

Other organisation e.g. Code Club, CoderDojo

Did not use any resources

Did not know resources were available

Submit Feedback

Any questions?





Contact us

ambassadors@worc.ac.uk / 01905 54 2576
