


STEM Ambassadors Introduction

Debbie Mathers – Programme Manager



Overview

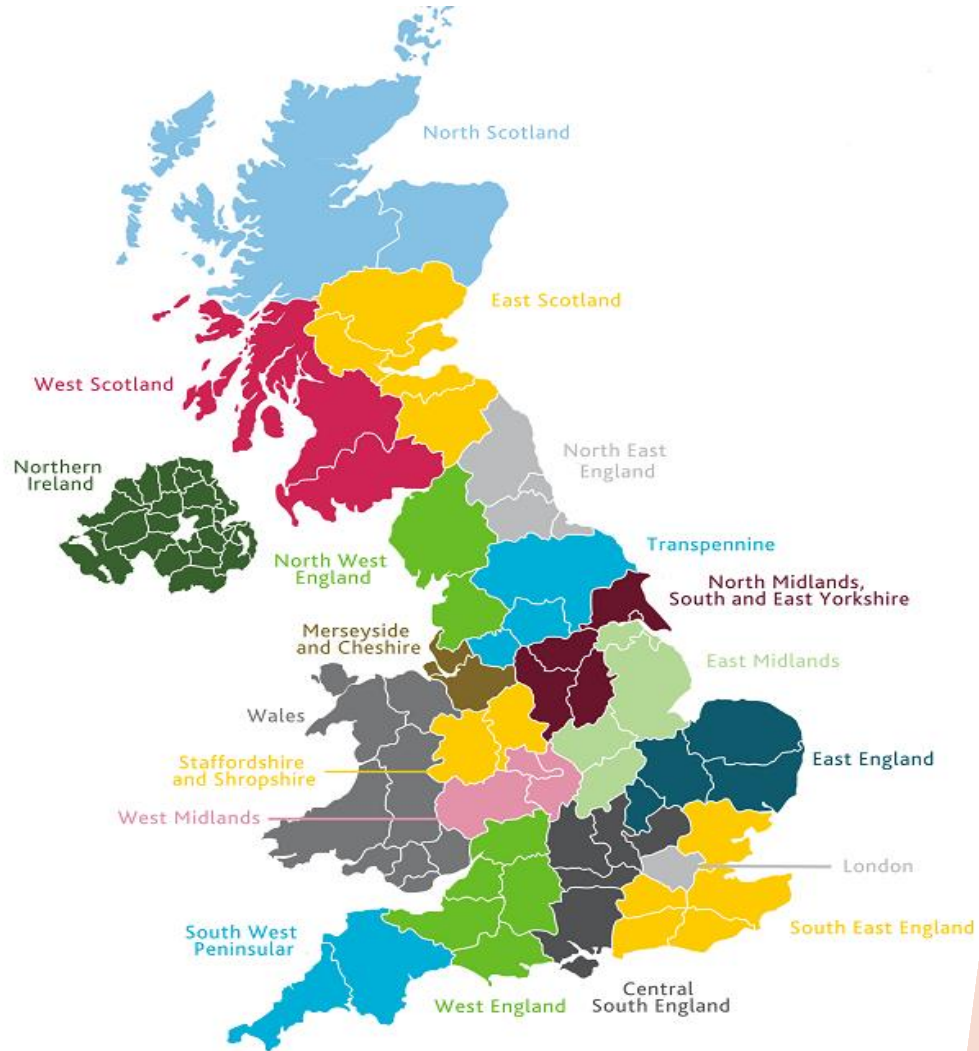
- ▶ STEM Ambassadors are volunteers with a passion for STEM
- ▶ Desire to inspire and share experiences with young people



“The government is committed to ensuring the UK remains at the edge of science, research and innovation. The STEM Ambassadors programme is an important part of our efforts to increase the supply of people with STEM skills in the economy.”

BEIS, 2016

STEM Learning



- ▶ UK wide programme
- ▶ Managed by STEM Learning
- ▶ Different hub regions managed by different organisations
- ▶ In Scotland the Programme is managed by SSERC



1. Improve your skills;
communication,
presentation,
leadership etc.

2. Have fun

3. Give back to
your local
community

5. Share your
love of STEM
(Science,
Technology,
Engineering,
Maths)

4. Gain access
to lots of
resources and
training

6. Become part
of a UK wide
network

7. Put on your CV
or include in your
professional
development

Benefits for STEM Ambassadors

Activity Types



Classroom



STEM Club activities



Careers talks



Speed networking



Online mentoring



Site visits and hosting
work experience



Large science festivals
and fairs



Non-school group



How to volunteer for activities



STEM Ambassador hub

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



Professional
institution



Employer



Personal
contact





Big Bang, STEM event
West Lothian College, Livingston



Woman in Science, in collaboration with
Cancer Research UK,
Dundee Science Centre



How, I benefited from STEM events?

- Communication skills
 - explaining science in laymen's terms to school children and to the general public with a range of backgrounds.
- Confidence
- Having fun
 - showing chromosomes under the microscope.
 - pairing up stripy socks to illustrate karyotyping
 - explaining human genome
 - hands on experience, extracting DNA
- Evidence for my portfolio

Response

S2 student (STEM event at West Lothian College):

I found the genetics stall fascinating. I particularly, had great fun extracting DNA from kiwi fruit. I learnt that I can even do these experiments at home. I also gained lots of information about the links between genetics and illnesses. Before, I did not know what molecular pathology was but now I would like to learn more about it.

Mum of boy (5) and girl (9) (Science festival at Dundee Science Centre):

It was a very stimulating environment. They were particularly inspired learning the connection between cancer and human genetics through hands-on experiments that were fantastic for my young children. I was so thrilled for them to be able to participate in such complex science subjects.



1. Create your STEM Ambassador profile at www.stem.org.uk

2. Receive a Welcome email us

3. Complete the online induction via FutureLearn

4. Book your ID check video with us - we need to see 1 photographic ID and 2 proofs of address

5. Complete the PVG application link that Volunteer Scotland will email to you directly

6. You will receive a copy of your certificate and we will automatically update your profile

7. Start volunteering!


Becoming a STEM Ambassador

Visit www.stem.org.uk

to get started

Your Profile and App

Hi Debbie,
You are logged in to your Ambassador account



Debbie Mathers

Organisation SSERC
Current role STEM Ambassador Co-ordinator

Edit profile

My impact

Start date 13/04/2020 End date 13/04/2021 Update

Activities completed 3	Activity hours 4	Participants reached 31	Organisations engaged 0
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118 days Since my last activity

20-04-2021 Your next activity

09-02-2023 DBS expires

Profile status

About me 92% complete	Employment 67% complete	Preferences 100% complete
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My activities

Requiring feedback	2
Messages & interactions	4
Upcoming activities	0

Add an activity

My offers

Active offers	0
Messages & interactions	0
Expiring offers	0

Add offer



STEM
LEARNING



What commitment is required?

- ▶ A minimum of 1 activity per year
- ▶ Must be recorded in the database
- ▶ Renew PVG after 3 years



Any questions?

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