

STEM Learning

STEM Ambassador Data Analysis Report



Kathrin Tennstedt, Amy Price & John Lillie

Qa Research

September 2020



Merchant House, 11a Piccadilly, York ,YO1 9WB
01904 632039 www.qaresearch.co.uk



Background to the Analysis

- **Background:**

- The STEM Ambassador (SA) programme launched in 2002 and provides volunteering opportunities for individuals with a background in STEM subjects, co-ordinated by a network of 19 local STEM Ambassador Hubs across the UK.
- The programme's digital platform captures a range of information from STEM Ambassadors and activity organisers; and has captured a large amount of outcomes data which has not yet been fully interrogated.
- Qa received data from STEM Learning, covering the previous 12 months (Aug 2019-July 2020); and carried out analysis in order to establish any patterns.



- **The aims of the research were to:**

- Identify the popularity of different types of activities & which groups choose different activities
- Explore differences between different STEM Ambassador Hubs
- Understand intended outcomes by activities for users and Ambassadors
- Ascertain activities which may require improvement (lower ratings)
- Determine any gaps in type of activities by different region/STEM Ambassador Hubs



Employability related sessions and practical events are especially popular

- Careers related activities and interactive events seem to be particularly popular. Events such as 'Interactive STEM sessions' (9%) and 'Employability Skills Sessions' (11%) featuring in the top 5 most popular activities.
- 'Advice for senior leaders' and 'Hosting a visit to a STEM workplace' were considerably lower (1-2% of the overall sample organised such events).

Activity Popularity - Overall Sample		Percentage
Hands on practical		15%
Support an exhibition or event		15%
Employability skills session e.g. mock interviews/CV writing		11%
STEM careers talk and/or advice session		11%
Interactive STEM session e.g. speed networking or Q&A session		9%
STEM presentation e.g. assembly or learning		7%
Mentoring or support e.g. for STEM projects		6%
Judging a STEM competition/challenge		4%
STEM Clubs		4%
Professional development of educators		3%
Hosting a visit to a STEM workplace		2%
Information and advice for senior leaders e.g. head teachers, governors		1%
Other		11%
Base (26,637)		

Proportion of activities by SA Hub

STEM Hub	Employability skills session	Grand Challenges	Hands on practical	Hosting a visit to a STEM workplace	Information and advice for SLT	Interactive STEM session	Judging a STEM competition	Mentoring /Support	CPD of educators	Space	STEM careers talk/advice session	STEM Clubs	STEM presentation	Support an exhibition /event	Other
STEM Ambassador Hub Central South England	3%	-	1%	7%	5%	6%	1%	2%	3%	5%	4%	3%	4%	5%	3%
STEM Ambassador Hub East England	2%	-	1%	12%	5%	1%	8%	2%	2%	-	4%	1%	3%	3%	3%
STEM Ambassador Hub East Midlands	4%	5%	2%	2%	3%	4%	2%	1%	1%	-	4%	1%	2%	2%	1%
STEM Ambassador Hub East Scotland	1%	-	1%	<1%	1%	14%	6%	2%	4%	-	3%	<1%	1%	2%	3%
STEM Ambassador Hub Lancashire and Cumbria	6%	-	3%	1%	1%	3%	19%	4%	1%	-	1%	<1%	1%	2%	7%
STEM Ambassador Hub London	11%	5%	2%	6%	8%	9%	8%	6%	30%	6%	11%	2%	7%	5%	9%
STEM Ambassador Hub Merseyside and Cheshire	2%	-	1%	4%	-	<1%	4%	5%	4%	-	2%	<1%	1%	2%	1%
STEM Ambassador Hub North East England	3%	-	2%	2%	3%	7%	3%	1%	3%	2%	3%	4%	2%	6%	2%
STEM Ambassador Hub North Midlands, South Yorkshire and East Yorkshire	11%	-	5%	<1%	1%	3%	3%	3%	2%	-	3%	1%	2%	4%	5%
STEM Ambassador Hub North Scotland	1%	5%	3%	-	-	1%	2%	2%	<1%	-	1%	1%	<1%	1%	1%
STEM Ambassador Hub Northern Ireland	6%	-	9%	7%	1%	<1%	1%	1%	<1%	-	6%	-	2%	1%	<1%
STEM Ambassador Hub South East England	6%	5%	6%	7%	6%	9%	4%	15%	5%	9%	6%	3%	5%	8%	24%
STEM Ambassador Hub South West Peninsula	2%	-	3%	<1%	2%	<1%	1%	2%	1%	-	2%	1%	2%	6%	1%
STEM Ambassador Hub Staffordshire and Shropshire	1%	-	<1%	1%	-	1%	2%	1%	-	-	1%	<1%	1%	1%	1%
STEM Ambassador Hub Trans Pennine	7%	-	4%	5%	21%	10%	4%	4%	19%	5%	16%	4%	7%	9%	4%
STEM Ambassador Hub Wales	4%	-	5%	1%	3%	5%	1%	1%	5%	1%	3%	1%	6%	4%	1%
STEM Ambassador Hub West England	6%	-	3%	3%	2%	2%	7%	4%	4%	1%	4%	5%	4%	4%	13%
STEM Ambassador Hub West Midlands	5%	-	7%	2%	2%	4%	1%	3%	2%	-	3%	13%	3%	4%	3%
STEM Ambassador Hub West Scotland	3%	-	4%	4%	6%	4%	8%	5%	5%	1%	4%	<1%	2%	2%	4%
Base (26,637)															

STEM Ambassadors and organisers want different outcomes

Intended Outcome	Organiser
Interactivity and engagement	100%
Overall enjoyment	100%
Preparation and organisation	100%
Success in achieving intended outcomes	100%
Engagement, interest, enjoyment in STEM subjects	69%
Awareness and aspirations for STEM-related study and careers	56%
Ability to link (curriculum) learning with STEM careers and real-life contexts	54%
Work with employers and Higher Education institutions to provide STEM encounters with young people	52%
Build our confidence and enthusiasm for STEM	52%
Building links across local community, including other schools and colleges	52%
Support and enhance our passion for what we do	50%
Building STEM identity e.g. by challenging stereotypes about STEM careers	42%
Learning what the workplace is like and developing employability skills	38%
Attainment and progress in STEM subjects	37%
Increase our knowledge of STEM subjects	30%
Informed parents/carers about study options and job opportunities in STEM	28%
Support other providers of youth activities and STEM enrichment (e.g. science museums, Scouts)	24%
Base (excluding those that gave no intended outcomes)	26,483

Intended Outcome	STEM Ambassador
Sense of achievement, reward and satisfaction	87%
Inspire and inform young people about STEM	79%
Support local community	64%
Communication skills	49%
Challenge stereotypes about STEM careers	44%
Support my organisation to develop links with schools/community	40%
Increase my organisation's profile/recognition	33%
Organisational/leadership skills	32%
Base (excluding those that gave no intended outcomes)	19,556

- Key intended outcomes for STEM Ambassadors included a sense of achievement (87%), inspiring young people (79%) and supporting their community (64%).
- For Organisers in school settings however, intended outcomes focussed more on career and educational goals such as raising the profile of STEM careers (56%) and improving engagement with STEM subjects (69%).

STEM Ambassadors intended outcomes

Intended Outcome - STEM Ambassador	Employability skills session (2457)	Hands on practical (2595)	Hosting a visit to a STEM workplace (383)	Information and advice for SLT (164)	Interactive STEM session (1971)	Judging a STEM competition (821)	Mentoring/Support (1014)	CPD of educators (609)	STEM careers talk/Advice session (2405)	STEM Clubs (382)	STEM presentation (1018)	Support an exhibition /Event (2975)	Other (2579)
Challenge stereotypes about STEM careers	43%	43%	41%	35%	58%	42%	51%	45%	53%	25%	49%	43%	33%
Communication skills	56%	54%	39%	51%	54%	45%	39%	53%	52%	37%	54%	50%	37%
Increase my organisation's profile/recognition	29%	39%	45%	36%	41%	25%	39%	32%	32%	20%	29%	39%	25%
Inspire and inform young people about STEM	78%	75%	67%	54%	86%	75%	85%	64%	91%	52%	91%	80%	76%
Organisational/ leadership skills	34%	40%	34%	28%	31%	35%	29%	40%	32%	22%	29%	34%	22%
Sense of achievement, reward and satisfaction	84%	90%	95%	80%	88%	93%	93%	81%	89%	84%	86%	89%	86%
Support local community	66%	68%	59%	60%	67%	73%	70%	62%	57%	62%	65%	67%	63%
Support my organisation to develop links with schools/community	39%	47%	56%	51%	45%	35%	30%	40%	33%	31%	30%	39%	51%
Base - In brackets (excluding those that gave no intended outcomes)													

- Once again, STEM Ambassadors were wanting to feel a 'sense of achievement and satisfaction' when volunteering.

Across activities organisers were particularly looking to improve engagement with STEM subjects

Intended Outcome - Organiser	Employability skills session (2984)	Hands on practical (4076)	Hosting a visit to a STEM workplace (602)	Information and advice for SLT (236)	Interactive STEM session (2340)	Judging a STEM competition (969)	Mentoring/Support (1604)	CPD of educators (676)	STEM careers talk/advice session (3034)	STEM Clubs (944)	STEM presentation (1900)	Support an exhibition/Event (4079)	Other (2932)
Awareness and aspirations for STEM-related study and careers	56%	41%	47%	50%	65%	40%	54%	42%	78%	26%	53%	67%	55%
Engagement, interest, enjoyment in STEM subjects	55%	71%	50%	47%	72%	87%	64%	64%	68%	48%	73%	78%	72%
Increase our knowledge of STEM subjects	36%	36%	26%	34%	33%	27%	26%	27%	31%	11%	36%	27%	23%
Interactivity and engagement	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Learning what the workplace is like and developing employability skills	63%	28%	55%	41%	48%	31%	34%	20%	49%	10%	28%	43%	26%
Overall enjoyment	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Preparation and organisation	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Success in achieving intended outcomes	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Support and enhance our passion for what we do	49%	48%	42%	34%	47%	49%	53%	50%	43%	32%	45%	60%	58%
Work with employers and Higher Education institutions to provide STEM encounters with young people	66%	41%	53%	48%	65%	46%	42%	52%	52%	18%	44%	61%	60%
Ability to link (curriculum) learning with STEM careers and real-life contexts	68%	52%	56%	65%	61%	59%	55%	56%	71%	24%	55%	40%	47%
Attainment and progress in STEM subjects	38%	42%	29%	25%	27%	47%	46%	22%	34%	17%	31%	44%	38%
Build our confidence and enthusiasm for STEM	50%	57%	34%	38%	56%	62%	55%	60%	52%	29%	49%	43%	69%
Building links across local community, including other schools and colleges	58%	47%	49%	60%	58%	72%	56%	76%	49%	36%	40%	60%	44%
Informed parents/carers about study options and job opportunities in STEM	31%	27%	25%	24%	16%	18%	22%	11%	37%	16%	26%	46%	20%
Building STEM identity e.g. by challenging stereotypes about STEM careers	44%	34%	30%	32%	51%	35%	44%	45%	48%	16%	37%	53%	42%
Support other providers of youth activities and STEM enrichment (e.g. science museums, Scouts)	28%	27%	11%	33%	12%	14%	31%	14%	20%	13%	16%	39%	27%

Base - In brackets (excluding those that gave no intended outcomes)

Activities could boost their impact by helping participants develop STEM enrichment and raise the profile of STEM careers

STEM Ambassador Ratings - Overall	Mean Score
Support local community (3,149)	4.46
Sense of achievement, reward and satisfaction (4,416)	4.42
Inspire and inform young people about STEM (3,829)	4.39
Communication skills (2,386)	4.37
Challenge stereotypes about STEM careers (2,072)	4.24
Organisational/leadership skills (1,371)	4.08
Support my organisation to develop links with schools/community (1,946)	4.08
Increase my organisation's profile/recognition (1,557)	4.04
Base: in brackets	

- Overall, activities are very positively received.
- Responses suggest however that for STEM Ambassadors, further focus on leadership and raising their profile would be a bonus.
- For Organisers in a school setting, a focus on raising the profile of STEM careers is a key area for further development.

Organiser Ratings - Overall	Mean Score
Success in achieving intended outcomes (8,561)	4.91
Interactivity and engagement (8,561)	4.90
Overall enjoyment (8,561)	4.90
Preparation and organisation (8,561)	4.90
Build our confidence and enthusiasm for STEM (4,958)	4.90
Support and enhance our passion for what we do (5,030)	4.88
Building STEM identity e.g. by challenging stereotypes about STEM careers (3,834)	4.85
Awareness and aspirations for STEM-related study and careers (5,197)	4.84
Engagement, interest, enjoyment in STEM subjects (6,646)	4.84
Attainment and progress in STEM subjects (3,570)	4.84
Work with employers and Higher Education institutions to provide STEM encounters with young people (4,996)	4.82
Building links across local community, including other schools and colleges (4,852)	4.80
Increase our knowledge of STEM subjects (1,975)	4.76
Learning what the workplace is like and developing employability skills (3,203)	4.76
Ability to link (curriculum) learning with STEM careers and real-life contexts (4,661)	4.76
Support other providers of youth activities and STEM enrichment (e.g. science museums, Scouts) (2,321)	4.15
Informed parents/carers about study options and job opportunities in STEM (2,201)	3.97
Base: in brackets	

STEM Ambassador ratings suggest work on developing advice for SLT and interactive sessions may be beneficial

STEM Ambassador Ratings - By Activity	Employability skills session	Grand Challenges	Hands on practical	Hosting a visit to a STEM workplace	Information and advice for SLT	Interactive STEM session	Judging a STEM competition	Mentoring /Support	CPD of educators	Space	STEM careers talk/advice session	STEM Clubs	STEM presentation	Support an exhibition/ event	Other
Challenge stereotypes about STEM careers	4.09	-	4.26	4.16	3.44	4.23	4.12	4.10	4.15	4.25	4.45	4.32	4.42	4.20	4.31
Communication skills	4.40	-	4.44	4.00	4.13	4.20	4.46	4.23	4.37	5.00	4.48	4.46	4.51	4.36	4.32
Increase my organisation's profile/recognition	4.13	-	4.09	4.47	4.10	3.65	3.86	4.18	4.00	5.00	4.28	4.13	4.05	4.16	3.80
Inspire and inform young people about STEM	4.21	-	4.52	4.33	3.70	4.33	4.51	4.34	4.06	4.88	4.49	4.71	4.53	4.46	4.31
Organisational/leadership skills	4.22	-	4.27	3.72	4.10	3.81	4.02	3.75	3.86	5.00	4.19	4.13	4.42	4.02	4.08
Sense of achievement, reward and satisfaction	4.46	-	4.53	4.61	3.70	4.30	4.53	4.35	4.26	4.88	4.50	4.63	4.49	4.45	4.18
Support local community	4.52	-	4.59	4.28	4.17	4.43	4.59	4.36	4.26	5.00	4.49	4.67	4.48	4.58	4.09
Support my organisation to develop links with schools/community	4.27	-	4.18	4.42	4.38	3.72	4.17	4.57	4.31	5.00	4.67	4.00	4.11	4.11	3.82

- Overall ratings by STEM Ambassadors were fairly high, though perhaps to a lesser extent than ratings by Organisers.
- 'Information and advice for SLT' and 'Interactive STEM sessions' had lower ratings than other activities.

Activities largely very positively rated – potential need to focus on opportunities to support organisers to engage with parents about STEM careers

Organiser Ratings - By Activity	Employability skills session	Hands on practical	Hosting a visit to a STEM workplace	Information and advice for SLT	Interactive STEM session	Judging a STEM competition	Mentoring/Support	CPD of educators	STEM careers talk/advice session	STEM Clubs	STEM presentation	Support an exhibition/event	Other
Awareness and aspirations for STEM-related study and careers	4.78	4.75	4.98	5.00	4.74	4.82	4.86	4.83	4.88	4.84	4.39	4.91	4.92
Engagement, interest, enjoyment in STEM subjects	4.84	4.80	5.00	4.97	4.78	4.76	4.85	5.00	4.67	4.93	4.54	4.91	4.95
Increase our knowledge of STEM subjects	4.78	4.69	4.46	5.00	4.87	4.52	4.53	5.00	4.82	5.00	4.54	4.73	4.79
Interactivity and engagement	4.94	4.83	4.99	4.84	4.88	4.96	4.89	5.00	4.89	4.95	4.64	4.90	4.94
Learning what the workplace is like and developing employability skills	4.91	4.68	4.45	4.58	4.69	4.96	4.64	4.79	4.63	4.90	4.43	4.84	4.95
Overall enjoyment	4.94	4.83	4.99	4.76	4.92	4.95	4.90	4.99	4.90	4.94	4.63	4.93	4.94
Preparation and organisation	4.00	4.84	4.95	4.84	4.89	4.89	4.90	5.00	4.89	4.94	4.66	4.91	4.94
Success in achieving intended outcomes	4.94	4.81	5.00	4.99	4.92	4.91	4.91	4.99	4.90	4.96	4.64	4.93	4.94
Support and enhance our passion for what we do	4.90	4.81	4.97	4.91	4.87	4.65	4.95	5.00	4.79	4.96	4.54	4.91	4.96
Work with employers and Higher Education institutions to provide STEM encounters with young people	4.69	4.67	4.98	4.60	4.87	4.60	4.70	4.69	4.79	4.09	4.57	4.85	4.96
Ability to link (curriculum) learning with STEM careers and real-life contexts	4.76	4.68	5.00	4.57	4.72	4.56	4.81	4.99	4.74	4.87	4.41	4.80	4.87
Attainment and progress in STEM subjects	4.88	4.76	4.94	4.97	4.89	4.83	4.88	4.90	4.49	4.76	4.41	4.86	4.99
Build our confidence and enthusiasm for STEM	4.92	4.78	4.98	4.94	4.92	4.74	4.91	5.00	4.89	4.98	4.59	4.94	4.97
Building links across local community, including other schools and colleges	4.87	4.65	4.91	4.97	4.83	4.63	4.96	5.00	4.60	4.87	4.15	4.82	4.92
Informed parents/carers about study options and job opportunities in STEM	4.69	4.73	5.00	5.00	4.53	3.85	4.95	4.97	4.23	4.66	3.79	3.25	4.81
Building STEM identity e.g. by challenging stereotypes about STEM careers	4.81	4.80	5.00	4.95	4.80	4.98	4.87	4.76	4.76	4.96	4.49	4.90	4.94
Support other providers of youth activities and STEM enrichment (e.g. science museums, Scouts)	4.91	4.67	5.00	5.00	4.61	4.84	4.99	4.57	4.95	4.95	4.32	3.10	4.92

STEM Ambassador ratings vary across the UK

STEM Ambassador Ratings	STEM Hub																		
	Central South England	East England	East Mids	East Scotland	Lancashire and Cumbria	London	Merseyside and Cheshire	NE England	North Mids, South & East Yorks	North Scotland	Northern Ireland	SE England	SW Peninsula	Staffs & Shropshire	Trans Pennine	Wales	West England	West Mids	West Scotland
Challenge stereotypes about STEM careers	4.08	3.88	4.37	4.05	4.22	4.30	4.42	4.41	4.32	3.88	4.28	4.14	4.27	4.48	4.34	3.91	4.32	4.25	4.33
Communication skills	4.35	4.05	4.45	4.28	4.43	4.36	4.34	4.48	4.43	4.24	4.41	4.15	4.32	4.62	4.50	4.25	4.45	4.50	4.43
Increase my organisation's profile/recognition	3.78	3.34	4.05	3.59	4.27	3.88	4.59	4.36	4.10	3.27	4.33	3.73	4.14	4.25	4.31	3.92	4.17	4.45	4.00
Inspire and inform young people about STEM	4.39	4.01	4.51	4.33	4.44	4.38	4.44	4.49	4.38	4.34	4.54	4.27	4.53	4.55	4.44	4.22	4.47	4.36	4.49
Organisational/leadership skills	3.97	3.66	4.15	3.84	4.08	4.01	4.20	4.28	4.13	3.89	4.25	3.91	4.06	4.21	4.23	4.03	4.07	4.13	4.21
Sense of achievement, reward and satisfaction	4.39	4.21	4.55	4.20	4.45	4.31	4.48	4.60	4.40	4.35	4.46	4.29	4.53	4.54	4.51	4.36	4.39	4.48	4.44
Support local community	4.52	4.20	4.56	4.41	4.45	4.36	4.32	4.56	4.46	4.59	4.61	4.26	4.58	4.60	4.58	4.33	4.54	4.61	4.51
Support my organisation to develop links with schools/community	3.94	3.60	4.17	3.75	4.32	3.91	4.35	4.19	4.12	3.57	4.33	3.80	4.30	4.53	4.28	4.09	4.17	4.35	4.37

- Ratings by STEM Ambassadors from Scotland and South and East England were lower than other regions, particularly in relation to impacts on raising organisational profiles and supporting the development of links with their community.

Across STEM Hubs the impact on informing parents on STEM careers and supporting community groups was generally felt to be the weakest (except in Northern Ireland)

Organiser Ratings	STEM Hub																		
	Central South England	East England	East Mids	East Scotland	Lancashire and Cumbria	London	Merseyside and Cheshire	NE England	North Mids, South & East Yorks	North Scotland	Northern Ireland	SE England	SW Peninsula	Staffs & Shropshire	Trans Pennine	Wales	West England	West Mids	West Scotland
Awareness and aspirations for STEM-related study and careers	4.84	4.93	4.88	4.97	4.74	4.88	4.92	4.57	4.79	4.65	5.00	4.99	4.83	4.64	4.75	4.63	4.84	4.70	4.75
Engagement, interest, enjoyment in STEM subjects	4.84	4.87	4.94	4.98	4.59	4.78	4.94	4.72	4.62	4.86	4.64	4.99	4.86	4.82	4.84	4.84	4.92	4.81	4.82
Increase our knowledge of STEM subjects	4.58	4.95	4.76	5.00	4.67	4.78	4.89	4.82	4.35	4.86	4.75	4.98	4.93	4.44	4.75	4.71	4.75	4.18	4.65
Interactivity and engagement	4.90	4.96	4.92	4.98	4.85	4.87	4.96	4.91	4.76	4.94	4.82	4.99	4.93	4.80	4.85	4.91	4.95	4.86	4.90
Learning what the workplace is like and developing employability skills	4.83	4.89	4.99	4.96	4.65	4.81	4.98	4.89	4.45	3.78	5.00	4.99	4.86	4.68	4.07	4.48	4.38	4.70	4.72
Overall enjoyment	4.96	4.97	4.92	4.97	4.87	4.86	5.00	4.96	4.79	4.94	4.82	4.99	4.92	4.84	4.84	4.91	4.96	4.83	4.89
Preparation and organisation	4.89	4.97	4.93	4.98	4.86	4.86	4.99	4.93	4.76	4.94	4.82	5.00	4.89	4.73	4.85	4.97	4.96	4.84	4.90
Success in achieving intended outcomes	4.96	4.96	4.92	4.97	4.85	4.86	4.97	4.95	4.79	4.94	4.82	5.00	4.93	4.83	4.89	4.93	4.96	4.85	4.90
Support and enhance our passion for what we do	4.90	4.91	4.96	4.98	4.74	4.79	4.96	4.89	4.57	4.98	4.75	4.99	4.91	4.68	4.80	4.85	4.91	4.75	4.84
Work with employers and Higher Education institutions to provide STEM encounters with young people	4.97	4.89	4.95	4.98	4.67	4.82	4.97	4.47	4.75	4.59	4.75	4.97	4.89	4.71	4.49	4.97	4.80	4.75	4.64
Ability to link (curriculum) learning with STEM careers and real-life contexts	4.79	4.87	4.79	4.95	4.45	4.78	4.95	4.56	4.64	4.77	5.00	4.99	4.84	4.66	4.57	4.87	4.80	4.56	4.67
Attainment and progress in STEM subjects	4.79	4.92	4.88	4.97	4.35	4.86	4.96	4.84	4.41	4.60	4.75	4.98	4.84	4.79	4.71	4.77	4.68	4.83	4.35
Build our confidence and enthusiasm for STEM	4.92	4.97	4.93	4.99	4.75	4.79	4.99	4.90	4.67	4.98	4.82	4.99	4.82	4.95	4.86	4.93	4.92	4.83	4.78
Building links across local community, including other schools and colleges	4.78	4.81	4.76	4.95	4.50	4.78	4.96	4.85	4.40	4.80	5.00	4.96	4.80	4.83	4.76	4.91	4.92	4.79	4.84
Informed parents/carers about study options and job opportunities in STEM	3.82	4.39	2.83	4.88	4.30	3.71	3.56	4.56	2.94	4.44	5.00	4.70	4.53	3.41	4.08	4.78	4.43	4.40	4.27
Building STEM identity e.g. by challenging stereotypes about STEM careers	4.83	4.86	4.92	4.99	4.84	4.84	4.85	4.39	4.58	4.92	5.00	4.99	4.81	4.79	4.75	4.92	4.93	4.85	4.68
Support other providers of youth activities and STEM enrichment (e.g. science museums, Scouts)	4.04	4.04	3.15	4.93	4.33	3.98	4.35	4.60	3.44	4.95	5.00	4.77	4.33	3.65	4.75	4.53	4.46	4.03	4.87

Focus on increasing the profile of STEM & Helping participants develop community links

Organiser Ratings	Percentage Giving Rating of 'Good' or Higher
Awareness and aspirations for STEM-related study and careers (5,197)	99%
Engagement, interest, enjoyment in STEM subjects (6,646)	99%
Interactivity and engagement (8,561)	99%
Overall enjoyment (8,561)	99%
Preparation and organisation (8,561)	99%
Success in achieving intended outcomes (8,561)	99%
Support and enhance our passion for what we do (5,030)	99%
Attainment and progress in STEM subjects (3,570)	99%
Build our confidence and enthusiasm for STEM (4,958)	99%
Building STEM identity e.g. by challenging stereotypes about STEM careers (3,834)	99%
Increase our knowledge of STEM subjects (1,975)	98%
Learning what the workplace is like and developing employability skills (3,203)	98%
Work with employers and Higher Education institutions to provide STEM encounters with young people (4,996)	98%
Ability to link (curriculum) learning with STEM careers and real-life contexts (4,661)	98%
Building links across local community, including other schools and colleges (4,852)	98%
Support other providers of youth activities and STEM enrichment (e.g. science museums, Scouts) (2,321)	76%
Informed parents/carers about study options and job opportunities in STEM (2,201)	74%
Base (in brackets)	

STEM Ambassador Ratings	Percentage Giving Rating of 'Good' or Higher
Sense of achievement, reward and satisfaction (4,416)	97%
Communication skills (2,386)	96%
Inspire and inform young people about STEM (3,829)	96%
Support local community (3,149)	96%
Challenge stereotypes about STEM careers (2,072)	94%
Organisational/leadership skills (1,371)	92%
Support my organisation to develop links with schools/community (1,946)	89%
Increase my organisation's profile/recognition (1,557)	87%
Base (in brackets)	



This research was carried out in compliance with
ISO 20252, (the International Standard for Market and Social research),
The Market Research Society's Code of Conduct & UK Data Protection law.



Qa Research, Merchant House, 11a Piccadilly York ,YO1 9WB
01904 632039
info@qaresearch.co.uk

Qa Research is a trading name of QA Research Ltd,
UK registered, company registration number 3186539, address in York as above.

Project code: EDUCT01-8702

File name: [STEM Ambassador Data Analysis report_v1.pptx](#)

Date: 14/09/20

Approved by: Kathrin Tennstedt

Authors: Amy Price and Kathrin Tennstedt

Comments to: Kathrin.Tennstedt@qaresearch.co.uk

