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STEM Development Manager – Museum of Science and Industry

MUSEUM OF
SCIENCE 
INDUSTRY

Q1. STEM jobs pay more than other jobs

A: True

B: False

Q2. In 2015 what percentage of the UK engineering workforce is female?

A: 15%

B: 6%

C: 29%

Q3. How many scientists and engineers will the UK need by 2020?

A: 180,000

B: 1,500,000

C: 540,000

Q4. How many jobs are at risk in the UK by 2030 due to advancing technology?

A: 2m

B: 10m

C: 750,000

Q5. The UK is the 6th on the list of world manufacturers. Where are we for numbers of women in STEM?

A: 9th

B: 30th

C: 15th

Q6. What percentage of employers has difficulty recruiting staff?

A: 68%

B: 12%

C: 40%

Q7: What percentage of today's school-aged children will be employed in jobs that currently don't exist?

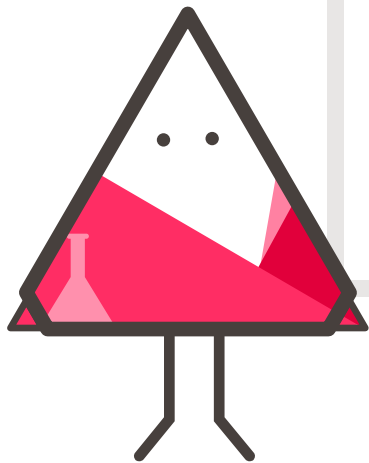
A: 30%

B: 45%

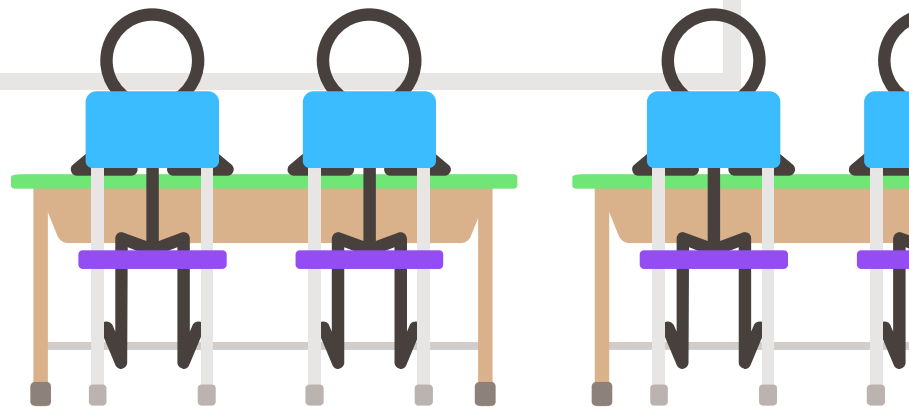
C: 65%

30,000
STEM Ambassadors

25,000
Activities each year

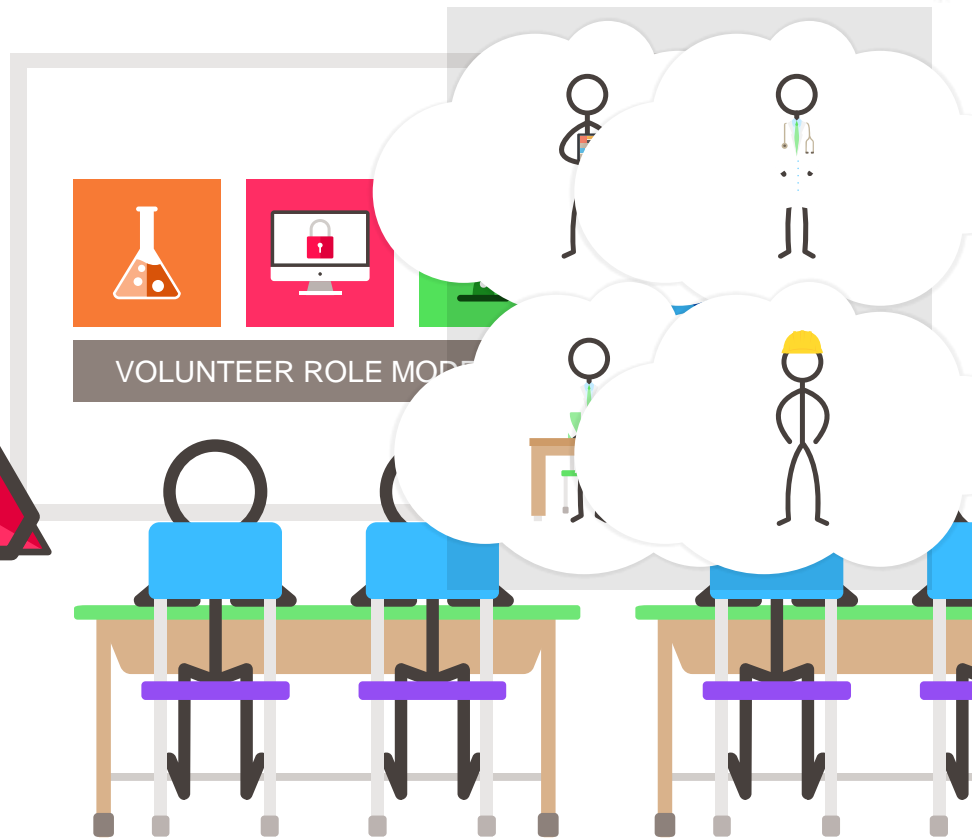
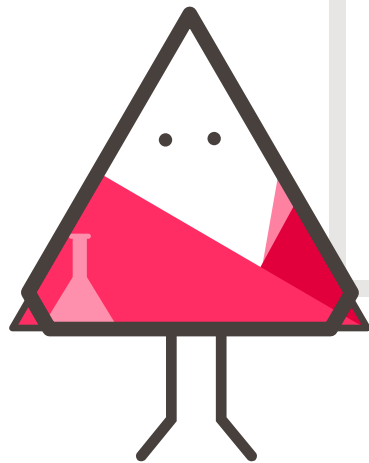


VOLUNTEER ROLE MODEL PROGRAMME



30,000
STEM Ambassadors

25,000
Activities each year



~1100
STEM Ambassadors

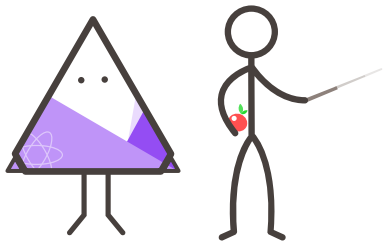


Museum of Science & Industry
Greater Manchester STEMNET Contract Holder

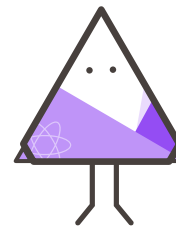
163 Secondary Schools in the 10 boroughs
of Greater Manchester



> 90%
Accessing STEM
Ambassadors in the past 12
month



NON-SUPERVISORY



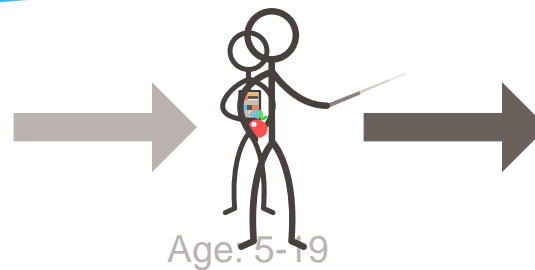
VOLUNTARY

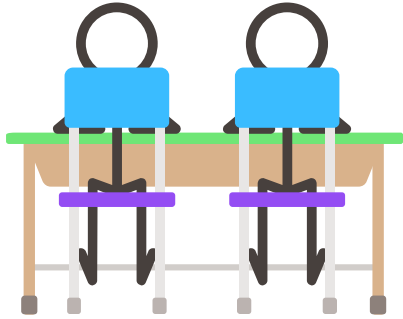


STEM-BASED

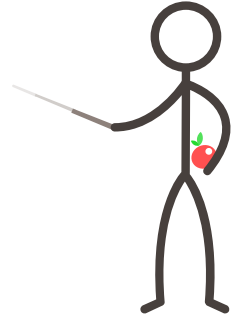


STUDENT BENEFIT



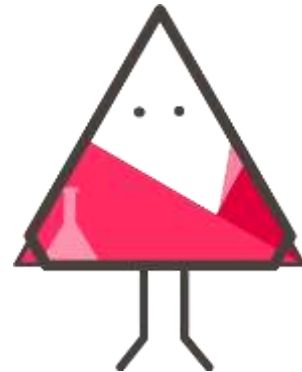


Why do you think teachers want STEM Ambassadors to visit their school?



What do you think students gain from having STEM Ambassadors visit their school?

What do you think ambassadors gain from working with students?

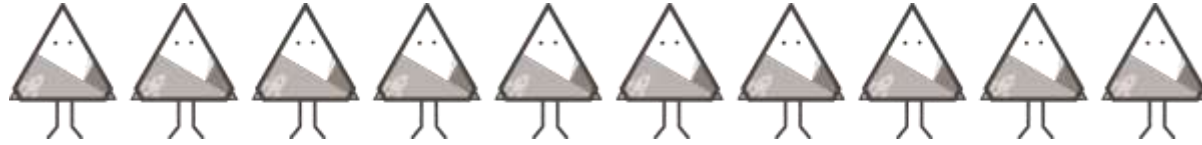


The employer perspective

MUSEUM OF
SCIENCE 
INDUSTRY

TWRResearch

“VOLUNTEERING IN
SCHOOLS HAD ... ”

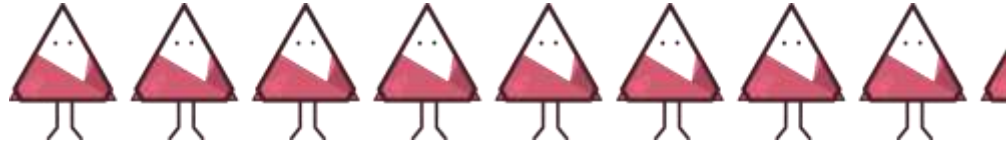


Increased personal
satisfaction



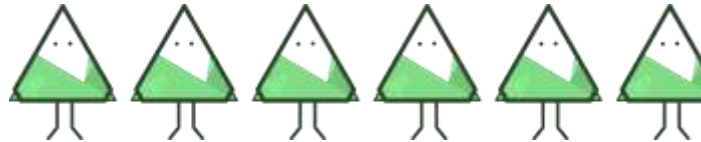
91%

Increased
confidence in, and
motivation to, work
with schools



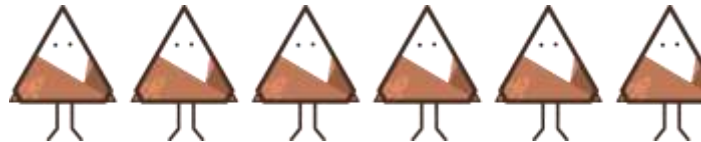
82%

Development of
new skills

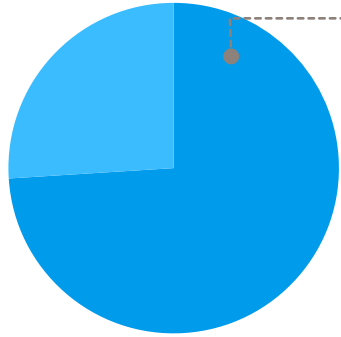


59%

Increased
motivation and/or
job satisfaction

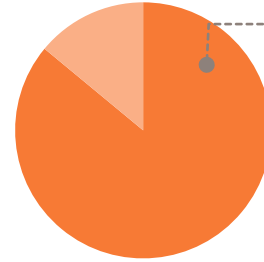


59%



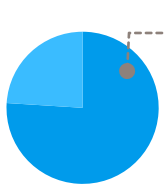
74%

Increased motivation
to enter STEM
employment/apprenticeships



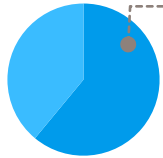
86%

Report that students have an
increased awareness of STEM
career and employment



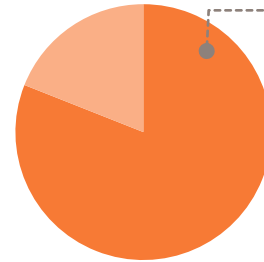
76%

Rated STEM
activity as "Good"
or "Very Good"



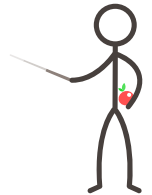
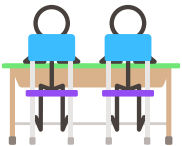
61%

Science is
important for
everyday life



81%

Report increased
understanding of STEM
business industry



Next steps

www.stemnet.org.uk/ambassadors