

TEACHERS

Description

At school subjects can often seem quite independent from each other.

Not One Without The Other illustrates the strong links between Science, Technology, Engineering and Maths and helps to highlight how much of an overlap there is between these four subjects in many STEM jobs.

Suggested Itinerary

1-1.5hrs, Up to 30 students, 1+ STEM Ambassador

1. **How Much Science, Technology, Engineering or Maths is involved in any job?** - PowerPoint presentation/video, The STEM aspects of a STEM Ambassador's career role.
2. **How useful is what you learn in school STEM subjects?** - Short talk, what can the STEM Ambassador remember about what they learnt in school- do they use what they learnt in their employment now?
3. **Hands-on mini-challenge** - Teacher organised activity linked to STEM Ambassador's talk, the activity will use more than one aspect of STEM Available for use: STIXX Machines/KNEX/Incredible Machine or see 'Useful Links'

AMBASSADORS

Description

This activity illustrates the strong links between Science, Technology, Engineering and Maths highlighting to students how much of an overlap there is in many jobs between these four STEM subjects.

1-1.5hrs, Up to 30 students, 1 STEM Ambassador

STEM Ambassador Role

1. **How Much Science, Technology, Engineering or Maths is involved in any job?** 10-20 Minutes, PowerPoint presentation/video
STEM Ambassadors give a short presentation, on the variety of STEM aspects in their profession role.
2. **How useful is what you learn in school STEM and how is it applied in real jobs?** 5-10 Minutes, Short Talk
Can you remember what you learnt in STEM subjects at school? Did you use it at work today?
3. **Hands-on mini-challenge** 30+ Minutes, Support Activity
Support a teacher organised activity e.g. STIXX Machines/KNEX/Incredible Machine. Teacher may want to talk to you before the event to tailor the challenge in relation to your talk.



Useful Links

- Science Museum London - Resources www.sciencemuseum.org.uk/educators/teaching_resources.aspx
- Success at Schools - Careers www.successatschool.org
- Resources4Schools- Resources www.resources4schools.co.uk
- bp Education - Resources <http://bpes.bp.com>

"I didn't realise that there are so many careers out there in one company, let alone all of them!"
- Student

"This activity enabled students to contextualise learning - Students saw real world applications of science learning in the real world"
- Teacher

"The children were engaged in the activity, and developed good team work skills as well as thinking more about physics and engineering in a practical sense during the event."
- STEM Ambassador