Schools Build A Plane

ROYAL AERONAUTICAL SOCIETY

BOEING

JLR
MOOG
UTC/COLLINS
SCHOOL
Map
Google
3D

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BOEING

Schools Build A Plane

- A real engineering project
- Learning techniques and skills
- Understanding how things really work
- Operational procedures
- Planning and management
- Following build manuals/drawings

- Team work
- Meeting people from a different background
- Coping with setbacks
- Patience
- Resilience
- Confidence
- Role models
- Discipline and organisation

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- University places
- Apprenticeships
- Better jobs/more employable
- CV’s

- Quiet introvert to head boy
- Behaviour issues to well behaved
- Confidence to commentate at Farnborough
- Achievement

Schools Build A Plane

- Satisfying and Rewarding
- Enjoyable
- One STEM Ambassador offered interviews
- Apprenticeships for the industry
- Aviation industry
- Engineering industry

} } } Careers, promotion

Does the i-user community want similar outcomes?

“We aren’t offering Computer Science because there’s no demand”

STEM Ambassadors

- 4 requirements
  - DBS (paid for)
  - Enthusiasm
  - Knowledge
  - Time
- Training is available
- Hugely fulfilling and fun

STEM Ambassadors

- Invitations to schools through Newsletters. For example:
  - “Code Clubs could you give one hour a week to help inspire young people through Coding Projects as part of a global community of educators? “
  - “Are you worried about STEM skills shortages?ENTHUSE Partnerships inspire young people into STEM subjects and careers. We fulfil this by enabling groups of schools and colleges to improve young people's achievement and engagement in STEM.”
  - “deliver hands-on workshops for their Year 9 pupils to provide students with an opportunity to try out the basic skills required in a particular sector/job”
  - Careers fairs
- They really want you!

Next steps

- STEM.org.uk
- Local groups
- Volunteer or employer
- A very open arrangement – as much or as little
- Need for commitment
- If I can help please email me Tony.Cotton@Talk21.com
- Cosford 20 June