

Science and Engineering Ambassadors

Inspiring a new generation

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Outline of talk

- Background to SETNET and SETPOINTs
- What are SETPOINTs?
- What are our aims?
- Working with partners
- Who are Science and Engineering Ambassadors?
- What do SEAs do?

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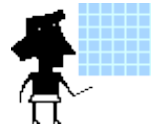


Background to SETNET and SETPOINTS

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Are we SET for success?



- Poor perception of the sciences in UK
- Lack of understanding of career paths
- Maths and physical sciences are “hard”
- Fewer pupils study maths, physical sciences and engineering (after age 16)
- UK innovation and technology skills shortage

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What are SETPOINTS?



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Our activities aim to

- Show that science, technology, engineering and maths are
 - Exciting
 - Relevant
 - Accessible to everyone



Raise awareness of opportunities for further study and careers

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Working with partners

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Examples of Partners



BAE SYSTEMS

LANCASTER
UNIVERSITY

Lancashire
County Council

LEYLAND TRUCKS
A PACCAR COMPANY

uclan



United
Utilities

Blackpool Council
BUILDING A BETTER COMMUNITY FOR ALL

bluespot

RSC | Advancing the
Chemical Sciences



NHS

IOP Institute of Physics



Who are Science and Engineering Ambassadors?



What makes a good Ambassador?

	<i>Commitment</i>	
<i>Enthusiasm</i>	 Science & Engineering AMBASSADORS <small>Nationally co-ordinated by SETNET</small>	<i>Ability to identify with young people</i>
<i>Role Model</i>		<i>Passion for Science</i>
<i>A story to tell</i>		

Above all, real people with real experience and stories to tell, a passion for what they do and a desire to inspire.

Benefits to individual SEAs

- Share their enthusiasm and experience about science with young people
- Develop their communication, planning and presentational skills
- Take part in a national scheme
- Participation is valued by employers and professional bodies
- Get involved in the local community

National and Local SEA's awards



SEAs are active roles models

- Enthusiastic volunteers
- Role models
- Local experts
- Mentors/advisors
- Support teachers and pupils



SEAs want to help other people understand why the sciences are interesting and relevant



Benefits to schools from SEAs

- Brings science to life, and makes it relevant to everyday experiences
- Helps motivate, inform and enthuse pupils
- Improves skills, understanding, and attitudes towards science
- Pupils find out about careers and study opportunities first-hand

What do SEAs do?

- Develop a long-term link with a school
- Promote further study and careers
- Support after school clubs
- Judge inter-school competitions
- Take prepared activities into schools, SETPOINT and partner events

Flexible Commitment

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Design and Build days



- Design, build and test hovercraft
- SEAS are mentors who advise and encourage
 - Problem solving through the design process
 - Good planning and effective design
 - Team work and roles

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Work place visits



Recognise and encourage young talent and initiative



Sci Sense Roadshow

- Primary Schools
- Have fun!
- Hands-on workshops
- Introduce new ideas



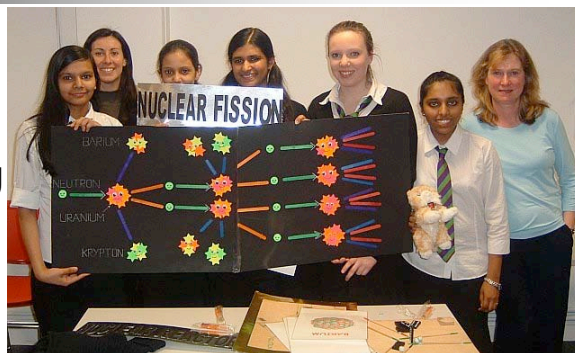
- Interaction with SEAs helps young people enjoy science and identify with scientists

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Competitions

- Planning
- Team working
- Problem solving
- Science skills
- Presentation
- Communication



- SEAs are active role models and judges

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