



Annual Impact Report 2013-14





“I’ve found mentoring the kids has really inspired me as an individual, especially when I’m identifying problems and finding solutions. The kids don’t have the barriers we have in the corporate world, their approach is totally opposite and anything is a possibility! As adults, we have built in restrictions and the mentoring has encouraged me to have more of a ‘can do’ approach in the workplace and work collaboratively to find solutions. I’ve also found the skills I’ve developed have helped me with networking both internally with colleagues and externally with clients to share best practice. I’m looking forward to mentoring again later this year when the programme starts for the new academic year.”

Steve Mackin, L&D Partner at Balfour Beatty Services. Mentor and Semi-Final Judge in 2014.



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ABOUT SOLUTIONS FOR THE PLANET

Solutions for the Planet offers a high quality innovation training designed to bring together people with different skills and outlooks. In partnership they generate and implement Big Ideas which will improve our society, economy and the environment. Partners include young people, parents, teachers, university students and graduates, business leaders, scientists, engineers and politicians.

What we do:

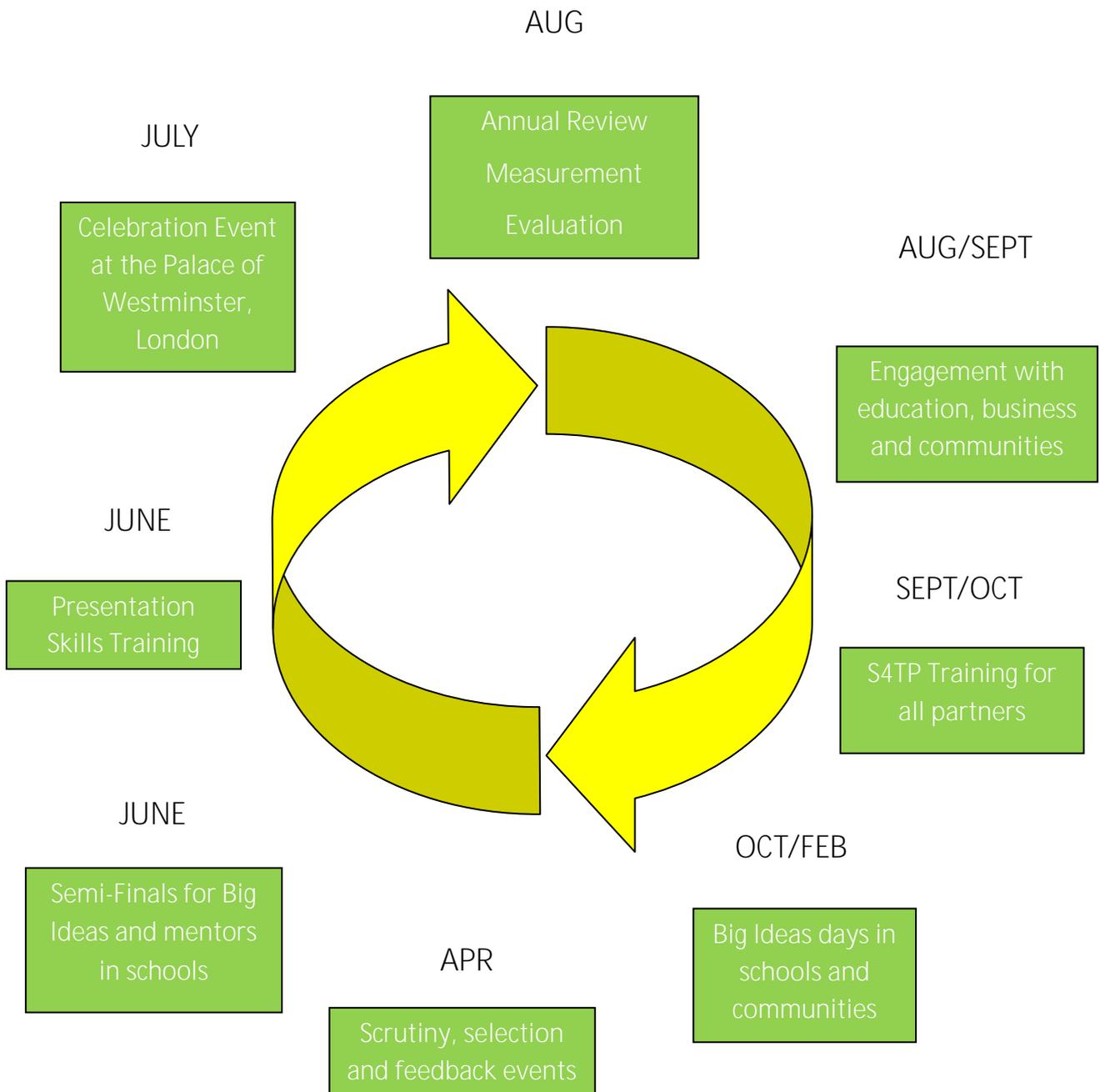
- ◆ Support young people to be the entrepreneurs, scientists, engineers and responsible citizens of the future
- ◆ Create Big Ideas to improve our society, economy and the environment
- ◆ Build a culture of enterprise and innovation in schools, communities and business' **developing 'future skills'**

Solutions for the Planet is an award winning, not-for-profit company, limited by guarantee. **Based in West Yorkshire, we have 15 years' experience developing, managing and delivering** Science, Technology, Engineering and Math (STEM) projects. During this time it has worked with 68 secondary schools across Yorkshire. Eight schools participated in the programme in 2013-14 with over 1,000 key stage 3 students.

In 2014, the organization was nominated for the EUA/IGEM Sustainability Award and won a Special Recognition Award at the EUA/IGEM Gas Industry Awards, for their partnership with Balfour Beatty.

Solutions for the Planet will be launching its flagship programme in September 2014 with new business partners, Balfour Beatty, Brammer / Buck & Hickman and Lafarge Tarmac and 6 secondary schools in the West Midlands.

ANNUAL PROGRAMME CYCLE 2013-14



OUR IMPACT IN 2013-14



150 BIGS IDEAS generated with over 1,000 young people from 8 schools

20 business mentors contributed over 320 hours to the programme this year



39 Big Ideas were submitted for review by the scrutiny and selection panel, in March

After attending a Big Ideas Day in 2013-14

- ◆ 66% of pupils said they now understand more about Engineering
- ◆ 57% of pupils said they wanted to find out more about jobs in science and engineering
- ◆ 68% of pupils said they now know how to set up a business
- ◆ 78% said they understand more about sustainability

FEEDBACK FROM OUR BUSINESS PARTNERS

Reasons why business partners are involved

- Gain innovative ideas from young people
- **Support future leaders'**
- Improve the business brand
- Support and mentor local young people
- To address skills shortages
- Increase awareness of the energy and utility industry so that children recognise the career opportunities within it



THE FINLAISTS



Helmon

Skipton Girls' School

Designed a new brand of cycle helmet to support cycle safety. Their helmet includes Bluetooth technology knowledge to alert you when you're not wearing it

App Aid

Dixons City Academy

Designed an app to make it easier for people to donate directly to a charitable cause—increasing accountability about where their donation is spent



Tap App

St Joseph's Catholic College

Designed an App to help people reduce the amount of water they waste and in turn save money which could be donated to charity

Litter Bugs, St Joseph's Catholic College (Waste): This team designed interactive and attractive bins to help teach primary school children about recycling.

Food Redeemers, David Young Community Academy (Waste): The team designed a food ordering system to help reduce food waste in their school canteen.

Energize, Skipton Girls' School (Energy): This team developed a solar powered USB charger accompanied by an app for smart phones to help in regions where electricity supply is scarce.

Connecting the Dots, Skipton Girls' School (Technology & Education): This team designed a website to help students learn about different languages and cultures by interacting with students from other countries online.

Eco-Nition, Dixons City Academy (Environment): This team designed an award scheme to encourage students to take small actions towards sustainability which collectively have a huge impact on the environment.

She Saves, St Joseph's Catholic College (Energy): This team developed a light sensor to reduce the light from electrical sources when there is enough light from outside.

Recycle 2 Cycle, Skipton Girls' School (Technology & Health): This team developed a company which would recycle office chairs whilst adapting them with pedals so office workers could exercise whilst at their desks.

Planet 4 Thought, David Young Community Academy (Environment): This team designed an app to raise awareness of environmental challenges amongst young people.



A BIG THANK YOU...

Sponsors

Balfour Beatty Services (BB)
Institute of Gas Engineers & Managers
(IGEM)
Grant Thornton, Leeds office

In-kind Supporters

BDO
Scarlet Logitech
Candelisa People
University of Leeds Business School
University of Bradford

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Rt. Hon. Hilary Benn MP
Amy Large, BB
Andy Edwards, BB
Simon Trollope, IGEM
Bob Newton, Imagio
Kevin Schofield, BDO
Sandra O'Neil, Grant Thornton

Judges at the London Final

Laura Fox, BB
Penny Davies, BB
Sarab Bajwa, IGEM
Paul Clarke, Pop-Up Farm
Kevin Schofield, BDO
Steve Mackin, BB

Judges at the Semi-Finals & Mentors

Glen Judge IGEM
Glyn Turner, BB
Any Edwards, BB
Jackie Hargreaves, BB
Julie Maund, BB

Amy Longsdem, University of Leeds
Melvin Dawson, BB
Nick Williams, IGEM

Mentors

Jodie Coe BB
Lyndsey Lewis BB
Faye Brown, BB
Liane Holmes, BB
Nick Ross, BB
Melissa Vincent, BB
Nicola Martin, BB
Barry Dalus, IGEM
Brigitte Sorby, BB
Rachel Canning, BB
Ian Douglas, BB

Schools & Teachers

David Young Community Academy:
Zulkernain Abbas and Liam Fitzgerald
St Jospeh's Catholic College:
Paul Rhodes and Tom McGee
Skipton Girl's High School:
Michael Blythe
Oasis Academy:
Lorne McNeil
Dixons City Academy:
Debbie Vickerman
Fir Vale School:
Paul Highfield
Kingsmeadow School:
Gerard O'Hara
Wickham School & Sports College:
Kate Gardner

SHOWCASE



Last year's winners D8 of F8 from David Young Community Academy went on to pitch their idea to the supermarket retailer Waitrose.

D8 of F8 is all about reducing the amount of food people throw away. Their idea involved a mobile phone app which scans your food shopping receipt and then warns users when their food is due to reach its expiry date and provide them with healthy recipes to make with the left-over food.

In February 2014, the D8 of F8 team went to Waitrose Headquarters to pitch their idea to Sam Dickson, Waitrose Head of Product Development and Mark Ainsworth, Non-Food Product Development Manager: "Its amazing to see that we have such talented young people who can identify customer needs and create innovative solutions for the future. Having met these young innovators I'm sure they will be resilient enough to achieve their ambitions."

You can view more of the amazing projects and enterprises that have developed from the Solutions for the Planet Programme on our website:

[Www.solutionsfortheplanet.co.uk](http://www.solutionsfortheplanet.co.uk)



Students, Teachers and business partners at competition final in the Palace of Westminster, London

Solutions for the Planet
C/o Candelisa People, Church House, 12a North Parade, Bradford, BD1 3HT
[Www.solutionsfortheplanet.co.uk](http://www.solutionsfortheplanet.co.uk)
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