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Global Corporate Citizenship

Boeing Corporate Citizenship in the UK

November 2016

corporate
citizenship
Boeing in the World

UK

■ Global Corporate Citizenship Team



Sir Michael Arthur
President, Boeing
Europe/Managing Director,
Boeing UK & Ireland



Katerina Giannini
Communications Manager, UK
GCC focal



Matthew Knowles
Communications Director, UK

- Strategic focus on education, specifically STEM, and environmental grants
- Investment of more than \$500,000 annually
- Multifaceted corporate citizenship initiatives, in addition to grants
 - Volunteering, employee giving, sponsorships, university programs, community engagement, internships and scholarships

UK: 2016 Projects Overview

■ Royal Aeronautical Society: Schools Build-a-Plane Challenge

- Program launched in December 2008 and combines STEM education with general aerospace and business education
- High-school student teams work on building a RANS Coyote II light aircraft, then obtain the permit to fly from the Light Aircraft Association and sell the aircraft to private buyers
- Six UK schools participate, each building a plane, plus a flight simulator using a fuselage from a retired plane
- [First flight](#) by Yateley School, April 2013, second flight by Marling School, July 2013 and [first student flights](#) in March 2014
- The Yateley and Marling school planes flew in the Farnborough Airshow Flying Display on Futures Day – [a world first](#).
- The RAeS produced a new [short film](#) and longer [documentary](#) in 2014 detailing the build process at each school.
- 2015 saw Ercall Wood Technology College in Telford celebrate the first public flight of the [third completed aircraft](#) and the sale of the Yateley and Marling planes to private operators
- The Ercall Wood plane flew in the 2016 Farnborough Airshow flying display and the challenge featured in a [Discovery channel](#) documentary
- Website and video – www.boeing.co.uk/sbap



UK: 2016 Projects Overview

■ Royal Aeronautical Society: Falcon Initiative

- Program launched in September 2015
- Following the success of the Schools Build-a-Plane Challenge, Boeing, in partnership with the Royal Aeronautical Society, has launched The Falcon Initiative, an innovative project that aims to inspire 13-18 year-olds by providing them with an opportunity to engage with a practical, fun and educationally-relevant engineering and business project.
- Boeing provided funding to 10 selected schools to enable them to build a fully functional Flight Simulator.
- The schools presented their Flight Simulators at an event at IWM Duxford in June 2016 to be judged by a panel of experts.
- The 10 schools participating were: Newquay Educational Trust (NET), Tonbridge Grammar School, Ryburn Valley High School, St. Aidans & St John Fisher Associated Sixth Form, St Aidans Church of England High School, Dene Magna School, The Whitehaven Academy, Sir William Borlase's Grammar School, Manchester Communication Academy, Greig City Academy and Elutec UTC, Essex.



UK: 2016 Projects Overview

Air League: Flying Scholarships

- Four flying scholarships were awarded in 2015 to wounded former soldiers and military veterans, in association with Aerobility.
- Ben Ashenden, who served in the 1st Battalion The Rifles in Afghanistan, was medically discharged in 2014 and started training for a pilot's license with Aerobility with the help of a Boeing scholarship. He told his story to BBC Radio Bristol, [here](#).
- Karl Hinett was the first wounded soldier to qualify as a pilot in 2013 after training at Blackbushe Airport. Read more about his journey [here](#).
- A [new video](#) documenting the 2015 scholarship program was developed in-house and published on boeing.co.uk
- 9 solo gliding scholarships were awarded to students of John Roan School, Skinners' Academy, and Kingsdale Foundation School in east London, who learned how to pilot a glider on a 2 week course at the London Gliding Club in August 2016. It was the fourth year of the gliding scholarships program.
- Boeing supported a recognition event, “Wounded Warriors of Middle Wallop” in September 2016 at the Army Flying Museum to celebrate the achievement of a group of wounded soldiers who have been in pilot training, some sponsored by Boeing with Help for Heroes.
- Boeing sponsored the Aviator's Ball in aid of Aerobility in November 2016



Karl Hinett, wounded former soldier of the Staffordshire Infantry Regiment in the British Army who served in Iraq, was the first Boeing/Air League disabled scholar to qualify as a pilot, in association with Aerobility. Photo: Air League

UK: 2016 Projects Overview



Nine Air League student gliding scholars from three inner-city London schools during training at the London Gliding Club in August, 2016.

Photos: Boeing.



UK: 2016 Projects Overview

- **NEW: Air League/RAF: Centennial Wings**
 - Boeing joined forces with the Royal Air Force and the Air League to launch an exciting new program at the 2016 Farnborough Airshow that will see dozens of teenage air cadets build an ultralight aircraft.
 - The program, called Centennial Wings, [launched on the date of Boeing's centenary](#), with a completion date in 2018 – the RAF's own centenary.
 - It is planned that the aircraft will fly at Farnborough in 2018, adjacent to the site of the founding of the Royal Flying Corps, which became the RAF in 1918.
 - Centennial Wings is designed to complement and enhance the existing RAF Air Training Corps cadets' curriculum with hands-on practical application of classroom theory.
 - Approximately 70 ATC cadets from the Northern Ireland ATC Wing containing 17 Squadrons will work to assemble a Sting S4 ultralight aircraft from kit, under the guidance of Sqn Ldr Ian Campbell, Wg Cdr Mike Miskimmin and volunteers from the Ulster Aviation Society, located in Lisburn, Northern Ireland.



UK: 2016 Projects Overview

■ The Prince's Trust: Achieve Program

- Boeing has supported Achieve clubs (formerly named xl clubs) – a personal development program aimed at young people aged 13 to 19 at risk of underachievement or exclusion from school – for over 10 years.
- The aim is to keep young people in school and to re-engage them in education through an informal, youth-led and supportive setting.
- 25 schools across the UK benefited from after-school clubs, with 10 schools piloting STEM-focused programs.
- There are five key activity areas: Personal, Team and Interpersonal Skills; Active Citizenship, Entrepreneurship and Enterprise; Preparation for Work; Enrichment Projects.

■ The Prince's Trust: Get Started with Product Design

- The Prince's Trust, Boeing and the University of Sheffield's Advanced Manufacturing Research Centre (AMRC) Training Centre have joined forces to help develop young people's professional skills in the area of advanced manufacturing.
- The Prince's Trust *Get Started with Product Design* initiative is an annual five-day training program, combining the best of the AMRC Training Centre's existing, well-respected Manufacturing Camps with the mentoring and life-skills support offered by The Prince's Trust.
- The aim is to give young people from across the Sheffield region a flavor of what it takes to be an apprentice and embark on a rewarding career in manufacturing.
- The program launched in July 2015 with 12 young people completing the course.
- In 2016, two courses took place, in April and July, benefitting 24 young people.

UK: 2016 Projects Overview



LAUNCH: PRINCE'S TRUST AND BOEING JOIN FORCES

Training drive for manufacturing

By DAVID WALSH
david.walsh@thestar.co.uk
@TheStarBz

Youth charity **The Prince's Trust**, aerospace giant **Boeing** and the **University of Sheffield's Advanced Manufacturing Research Centre Training Centre** have joined forces to develop young people's professional skills.

The Prince's Trust 'Get Started with Product Design' is a five-day training pro-



AMRC Training Centre

gramme, combining the best of the AMRC Training Centre's existing manufacturing camps with the mentoring and life-skills support offered by The Prince's Trust. The aim will be to give young people a flavour of

what it takes to be an apprentice and embark on a rewarding career in manufacturing.

This pilot programme, to take place in July, is aimed at young people aged 16 to 25 who are not in education, training or employment and has been made possible as part of Boeing's extensive programme of community engagement initiatives.

Boeing's initiatives in the UK communities where they work are focused on inspiring young people to take an interest in science, technol-

ogy, engineering and mathematics at school and beyond.

Kerry Featherstone, Training Centre head of operations, said: "Our aim, from the start, has been to bridge the manufacturing skills gap while promoting social mobility by being as open as possible. This is another step to ensuring young people are able to make the most of their potential."

To book a place contact Les Smith: Email leslie.smith@princes-trust.org.uk or phone 07506711643.

24 young people who were not in employment or education completed the second year of the Get Started with Product Design course at the AMRC.

Photos: The Prince's Trust.



Prince's Trust

UK: 2016 Projects Overview

■ The Prince's Trust: Volunteering

- Boeing employees participated in The Prince's Trust Palace to Palace 45 mile bike ride, raising more than £2,500 which was then Gift Matched.
- A team of Boeing volunteers entered the Million Makers corporate challenge to raise at least £10,000 out of £1,500 seed funding by December 31, 2016.
- The 'Boeing Bulldogs' team sold soft toys and merchandise, produced and sold a children's activity book, entered a team into a 'Tough Aero' competition and organized a gala dinner which raised over £15,000 alone.
- As a result of Boeing's efforts in the Prince's Trust 40th Anniversary year, the company was nominated for an employer's award.



UK: 2016 Projects Overview

- **NEW: Royal Academy of Engineering: Connecting STEM Teachers**
 - New program [announced](#) in October 2016
 - The partnership will enable the Academy to recruit 4 specialist STEM teachers over 2017-18 to work in up to 40 schools to support STEM teachers in delivering an engaging and inspiring curriculum.
 - The specialist teachers will form part of the Academy's highly-successful Connecting STEM Teachers program established in 2011 and currently active in 550 schools across the UK.
 - The program aims to create a national network of support for teachers across all STEM subjects, ensuring they have the knowledge and confidence to engage a greater number and wider spectrum of school students with STEM.
 - Boeing UK will also support the development of high quality STEM teaching and learning resources for use across the Connecting STEM Teachers network.



UK: 2016 Projects Overview

- **NEW: Royal Observatory Greenwich science learning programs**
 - [Announced](#) in May 2016
 - The Royal Observatory Greenwich science learning programmes, funded by a £230,000 Boeing donation, will take place from September 2016 to March 2019 and include a variety of activities designed to engage young people with space and science.
 - This will complement the aims of the Above and Beyond centennial exhibition and enable the legacy to continue beyond the exhibition period to a greater number of young people.
 - The Space Spectacular Week programs are a series of 3-week workshops for primary and secondary students focused on space science and space technology.
 - New space videos and learning resources will be developed, as well as a new planetarium show for key stage 2 and 3 pupils focusing on the science and technology of future human space exploration.
 - Other activities as part of the Boeing-supported grant are:
 - Think Space lectures;
 - Interactive programs at the historic Prime Meridian of the World; and
 - Weekend space workshops designed for families.

UK: 2016 Projects Overview

■ American Air Museum at IWM Duxford: Partners in Flight

- Partners in Flight is an exciting new educational outreach program at the [American Air Museum](#) for junior and high school students in the East of England run in partnership with the Imperial War Museum (IWM) Duxford, formerly RAF Duxford, which was an air force base used by the U.S. Air Force in World War Two.
- The American Air Museum, located at IWM Duxford, is the only one of its kind in Europe and houses the largest collection of U.S. vintage airplanes outside of the United States, including Boeing aeroplanes such as the Stearman, F-15 and its centerpiece, a B-52.
- During the outreach session, children work together to assemble a large 1/8 scale model of a Boeing B-29 Superfortress from its component parts. T
- The students will also participate in STEM challenges, including navigating and calculating routes; measuring optimum air pressure for sustainable human flight; balancing fuel and payload, and calculating gun turret firing control.



UK: 2016 Projects Overview

- **Earth Restoration Service: School tree nursery program and Earth Day activities**
 - Environmental education and local environmental restoration program engaging primary school children.
 - So far a total of 30 schools and 1,000 children have been visited by Boeing staff to celebrate Earth Day with the Earth Restoration Service in Bristol, Gatwick, Gosport, Heathrow, Milton Keynes, Waddington, Welwyn Garden City and Yeovil.



- For more see Boeing UK Website – www.boeing.co.uk/community

UK: GCC Grant Impacts

- **RAeS: Schools Build-a-Plane Challenge/Falcon:** over 3,000 students reached over the course of the project, across 6 UK schools and major events in 2016 including the Farnborough Airshow, RIAT, the Big Bang Fair and Cosford Airshow.
- **Air League: Flying Scholarships/Centennial Wings:** 25 scholarships provided and over 300 young people and students impacted through taster days, workshops and events.
- **The Prince's Trust: Achieve/Get Started:** over 3,000 young people across the UK have benefited from Achieve clubs which Boeing has supported for over 10 years as well the new 'Get Started' program. Furthermore, around 100 teachers were trained in the process.
- **IWM Duxford Partners in Flight:** an increase in the STEM audience from 5,001 students in 2013-2014 to 8,219 students in 2014-2015, an incredible increase of 64.3%. Delivered 42 outreach sessions to groups of children and young people in Essex, Cambridgeshire, Suffolk and Norfolk.
- **Earth Restoration Service:** over 1,600 students from 200 schools have taken part in Earth Day across 5 locations.

UK: University Relations (Pipeline Development)

- UK University Relations focal: Richard Mills
- Boeing provides funding for scholarships, prizes, curriculum enrichment and student projects at six universities in the UK
 - The University of Bristol
 - The University of Cambridge
 - Cranfield University
 - The University of Sheffield
 - The University of Southampton
 - The University of Strathclyde
- Boeing has also provided internships and placements for students from Bristol and Southampton, many of whom have transitioned into full time positions with Boeing Defence UK



UK: University Relations (Pipeline Development)

2016 Highlights

- The National Centre for Universities and Business published their annual [“State of the Relationship Report”](#) which featured the University of Cambridge hybrid-electric airplane as a Case Study
- Boeing recruited numerous placement students and interns from various UK universities including the University of Bristol and the University of Southampton
- Employees delivered workshops and presentations at universities including Cardiff University and Imperial College London engineering departments
- Boeing supported the Royal Aeronautical Society 150th anniversary event in Sheffield at the AMRC



Imperial College
London



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UNIVERSITY

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