

Sponsoring partner



BAE SYSTEMS

The BAE Systems Make It Enterprise Challenge

**BAE Systems, Academy for Skills & Knowledge
7th February 2018**

Schools in Attendance

Archbishop Temple School	Preston
Broughton High School	Preston
Christ the King Catholic High School	Preston
Highfield Leadership Academy	Blackpool
Moor Park High School and Sixth Form	Preston
Our Lady and St John Catholic College	Blackburn
Penwortham Girls School	Preston
Pleckgate High School	Blackburn
Ribblesdale High School	Clitheroe
Southlands High School	Chorley
St Bedes RC High School	Blackburn
Standish Community High School	Wigan
Tauheedul Islam Girls School	Blackburn
Westholme School	Blackburn



For further information about the day, including the event photos can be found at www.makeit.org.uk and on our Facebook page www.facebook.com/makeitinmanufacturing

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The girls from Pleckgate School getting stuck into the Challenge brief



The teams meeting with the BAE Systems customer consultant to further their ideas



Penwortham Girls School working their way through the logistics maze



“
There are many more aspects to manufacturing than I thought
”
Pupil

Key Content

Make It in Manufacturing is a charitable campaign aimed at changing the negative perceptions young people have about manufacturing.

In partnership with manufacturing businesses from across the UK, Make It invites local schools to compete against one another in a series of enterprise challenges with the goal of educating young people about the careers available to them within the manufacturing sector.

These practical one day events challenge young people to form their own mini-manufacturing companies, gaining advice and guidance from a range of industry experts and advocates, and learning more about the creative and aspirational employment opportunities manufacturing can offer.

The BAE Systems Make It Enterprise Challenge was delivered as a partnership between The Manufacturing Institute and BAE Systems. It is the ninth time that the BAE Systems team in Lancashire have sponsored an event for schools in the local area to encourage more young people to consider careers in the UK's manufacturing industry.

Welcome from Dave Holmes, BAE Systems, Manufacturing Director, Air



A fantastic day for both students and teachers

Teacher

The students are getting an opportunity to develop skills that may not be as easily taught in the classroom.

Volunteer

our career with us.
www.baesystems/careers
@baesystemsair



Moor Park High School presenting their pitch to the dragons

About the day

Twelve local schools from across Lancashire participated in the BAE Systems Make It Challenge which took place at the BAE Systems Academy for Skills & Knowledge. Each school was tasked with setting up their own mini-manufacturing company and creating an unmanned rescue and emergency vehicle for use in a range of different situations.

Each team, made up of eight Year 9 pupils, was first tasked with choosing an individual job role that ranged from Managing Director to Design Engineer, Quality Controller and Logistics Manager. Teams were briefed at the start of the day and challenged with designing, costing, building, marketing and selling their unmanned rescue vehicle and impressing a panel of judges. The pupils had to use their creativity and business acumen to develop a product that would get past the Customer Consultants and appeal to the potential 'investors' in a Dragons Den style presentation.

The Judging of the event was extremely stringent and the teams were monitored throughout the day. Points were awarded for the completion of key tasks along with teamwork, use of initiative, problem solving and other enterprising qualities.

About the Sponsor

At BAE Systems, we help our customers to stay a step ahead when protecting people and national security, critical infrastructure and vital information. We provide some of the world's most advanced, technology-led defence, aerospace and security solutions and employ a skilled workforce of more than 83,000 people in more than 40 countries.

From state of the art cyber threat detection to flight control systems that enable pilots to make better decisions, we never stop innovating to ensure that our customers maintain their advantage. This is a long-term commitment involving significant investment in skills. We also work closely with local partners to support economic development through the transfer of knowledge, skills and technology.

BAE Systems have sponsored the Make It Enterprise Challenge for over nine years, they provide the venue and cover the cost of running this event in partnership with The Manufacturing Institute. They also support the event with a wide range of employees that act as coaches and mentors to the students at the event. They are committed to supporting local education through inspiring through STEM, continuous development of employees and promoting BAE Systems as an employer of choice.



The team from BAE Systems and The Manufacturing Institute



The Ribblesdale team with their completed model



The day has made the of the students aware of the varied roles with manufacturing.

Volunteer



The team from Penwortham Girls building their model to present to the dragons



There are many more aspects to manufacturing than I thought

Pupil





It's smiles all round from winning team Ribblesdale High School

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2nd Place team
Archbishop Blanch School

And the winners were...

First Place	Ribblesdale High School
Second Place	Archbishop Temple High School
Outstanding Individuals	Oliver Monk- Southlands High School
Outstanding Individuals	Catherine Kelly- Broughton Hall High School

Summary and Key Points

- **100%** of the pupils that took part in the day rated the Challenge as between "Excellent" and "Good" (**50%** marked "Excellent", **39%** marked "Very Good" and **11%** marked "Good")
- **97%** of the pupils felt that the day had given them a better understanding of the types of jobs available within the manufacturing sector
- In total, **80%** of the pupils said that they would now consider a career within manufacturing or engineering which increased by **20%** from the start of the day.
- **100%** of the teachers that attended rated the day as either "Excellent", "Very Good" or "Good"
- **100%** of the teachers felt that the day had definitely improved their pupils' perceptions of careers within the sector
- **100%** of the teachers indicated that they would now recommend careers in manufacturing to "all their pupils" upon their return to school.
- **100%** of the BAE Systems volunteers rated the Challenge overall as "Excellent"
- **100%** of the BAE Systems volunteers also felt that the day had succeeded in improving the image of manufacturing to those pupils involved

The volunteers from BAE Systems were:

David S Holmes	BAE Systems, Manufacturing Director, Air	David Ewing	Manufacturing Graduate
Carole Cross	Air, Education Partnerships Associate	Christopher Murphy	Manufacturing Graduate
Paul Nolan	Air, Education Partnerships Manager	Emma Cornwall	Head of Manufacturing Capability, Manufacturing
Samantha Wilkinson	Advanced Engineering Apprentice	Nicky Heaton	Industrialisation Manager, Manufacturing Operations
Peter Macglashan	Advanced Engineering Apprentice	Gareth Howell	Manufacturing Resource Manager
Giovanni Mura	Advanced Engineering Apprentice	Christopher Pett	Project Manager, Manufacturing Operations
Joseph Dimeck	Advanced Engineering Apprentice		
Jane Eccles	Manufacturing Graduate		
Richard Millar	Manufacturing Graduate		

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