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Skills Partnership

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HEY Skills Network



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Partners



WILBERFORCE
sixth form college



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Bishop Burton College



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Real Time Slurry Analysis – What is it?



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Green on Green Spraying Technology

What is it?



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EMBEDDED
AI

Green on Green Spraying Technology

Why?

- Reduced chemical usage – up to 95% reduction
- Environmental Consideration – Clopyralid
- Cost – £20/ha
- 15% UK's cereal crop area is in East Yorkshire – 350,000ha
- £6.5m per year
- Data collection – further analysis, assist decision making
- Other benefits
- The Future???



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HETA



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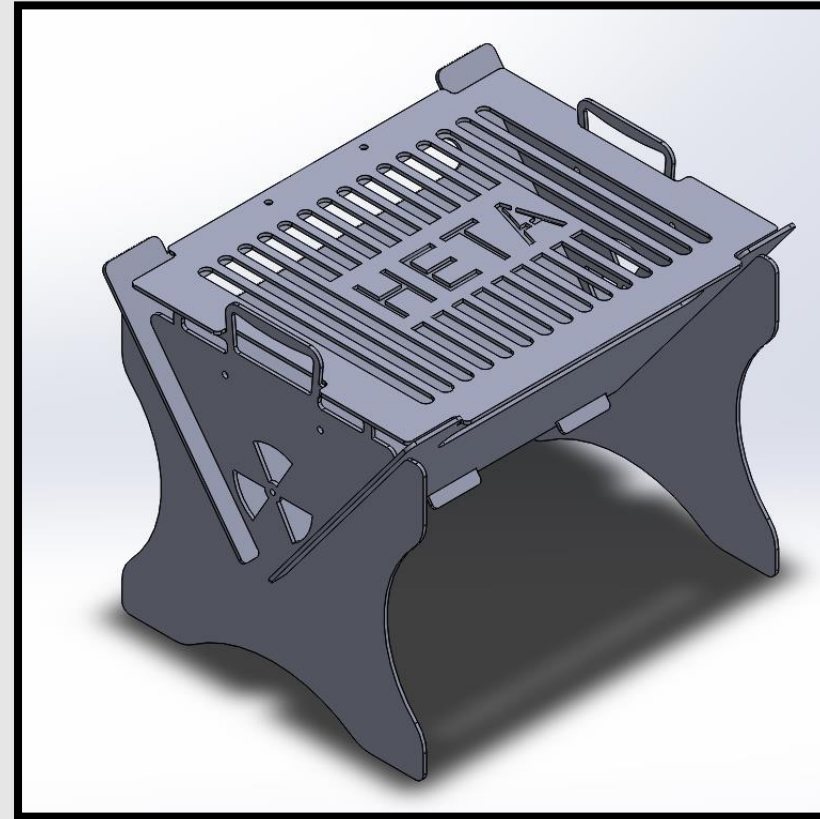
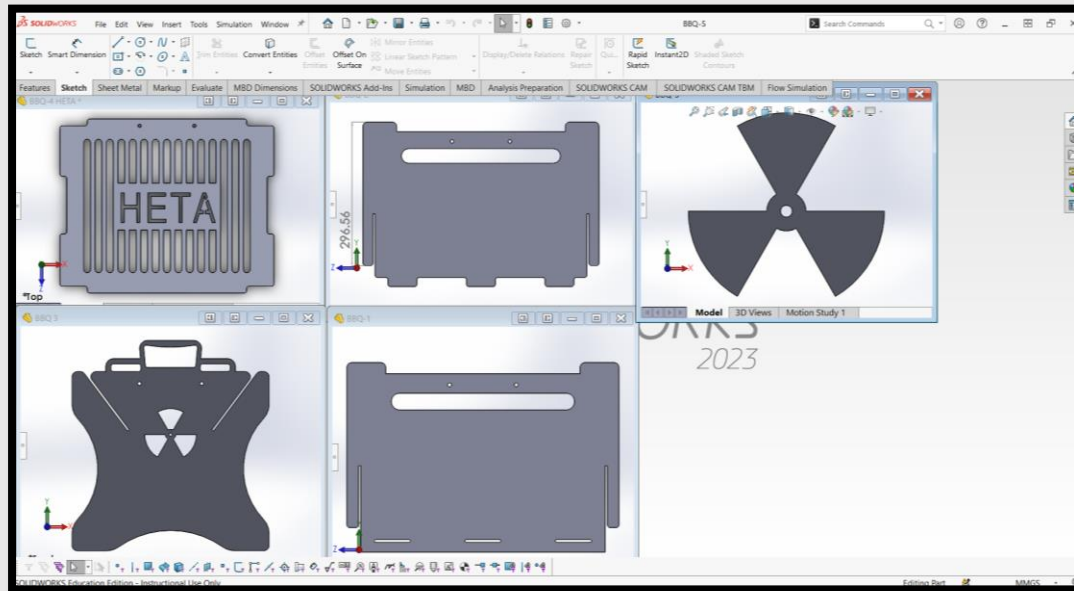


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Design – SolidWorks System



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Principle of CNC metalworking/ production for Fabrication and Welding

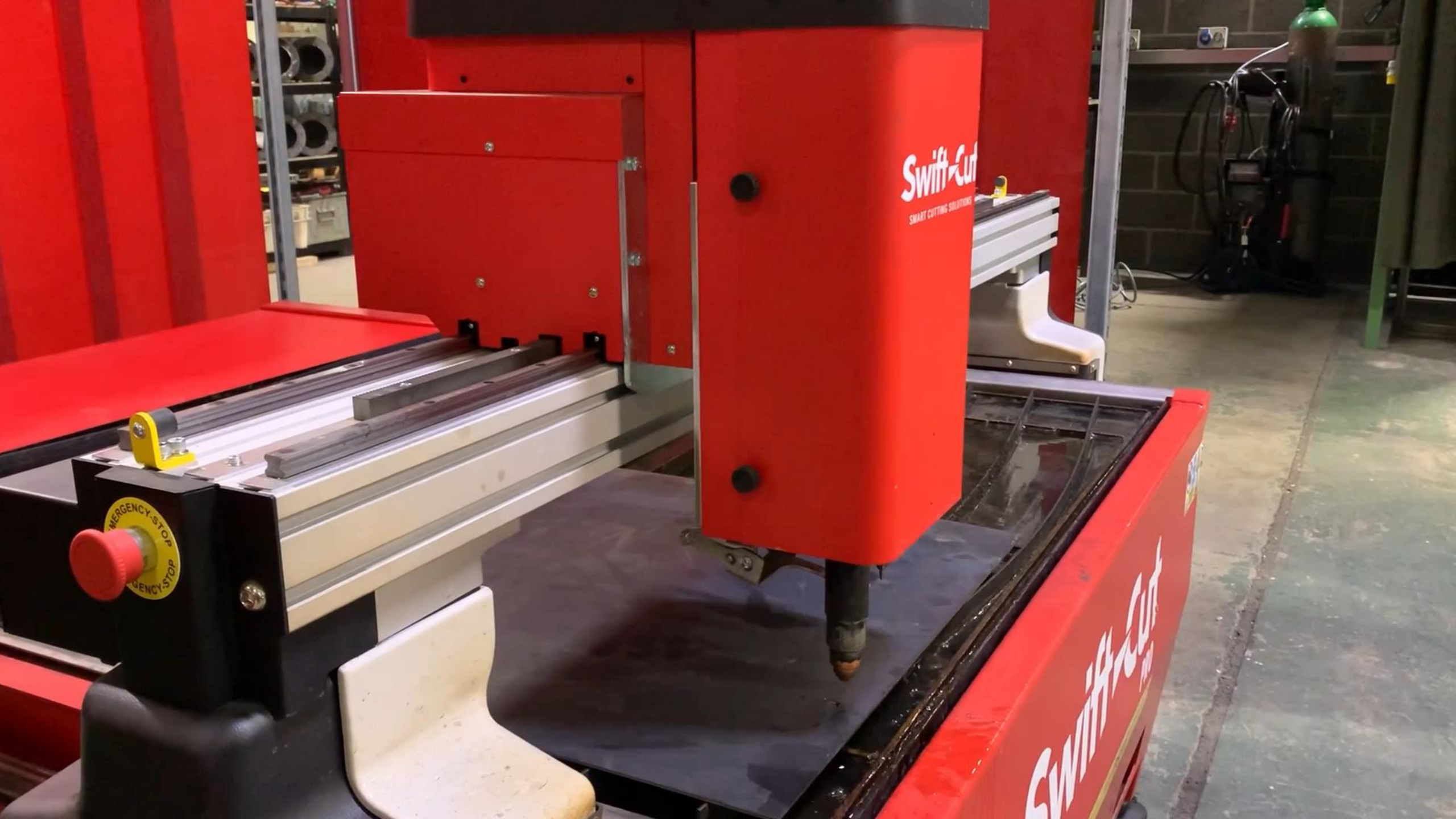
Overview of Course

- Cutting process limitations
- Concept design & CAD design
- Connectivity
- Programming CNC & Nesting
- Manufacturing of parts



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Swift-Cut
SMART CUTTING SOLUTIONS

Swift-Cut

EMERGENCY-STOP
EMERGENCY-STOP

Hull College



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Orbital Circular Welding – Energas



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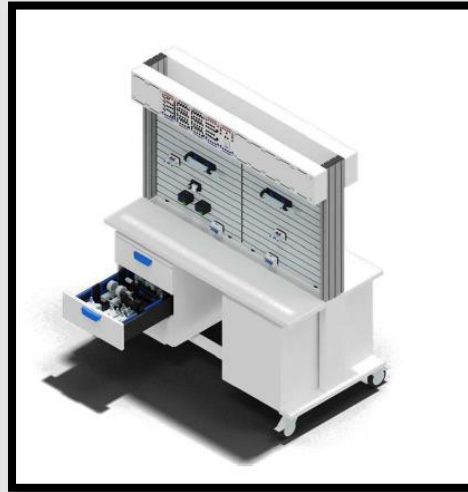
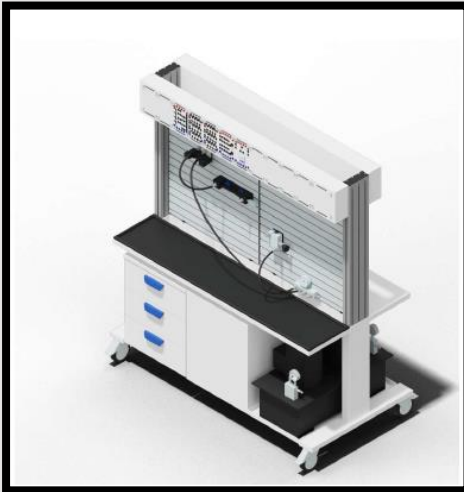


Advanced Engineering and Mechatronics



Sameer Ali

Associate Director, Didactic Services LTD



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Robotics – Fanuc – Satty Cole



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Investing in Resources Health & Social Care



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AI Academy



Oct: AI Academy writing workshops

Workshops for external partners
(53 - almost 2,000 people)

Dec: Tech the Halls (Digital & AI CPD Day) - 199 staff attending at least one of the following sessions:
Accessibility, AI Academy, Bodyswaps, Data and Power BI, Bing Chat, Zeducation, TeacherMatic

Jan: AI Academy for 63 SMEs and businesses

Bi-weekly, varied AI Academy sessions for all since September (summarising a PDF document, improving IAG, AI and cheating, quizzes, AI tricks in Excel)



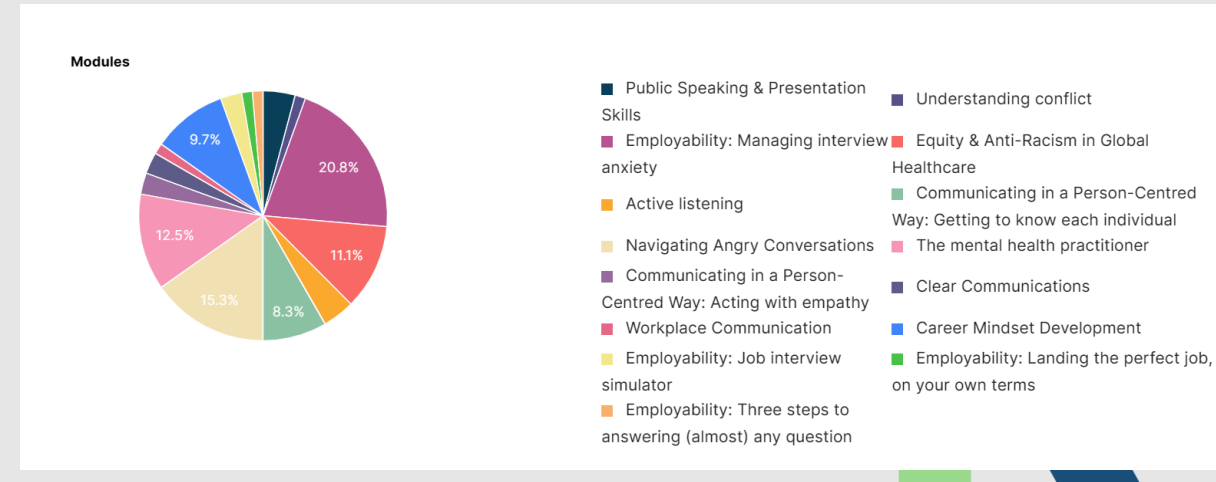
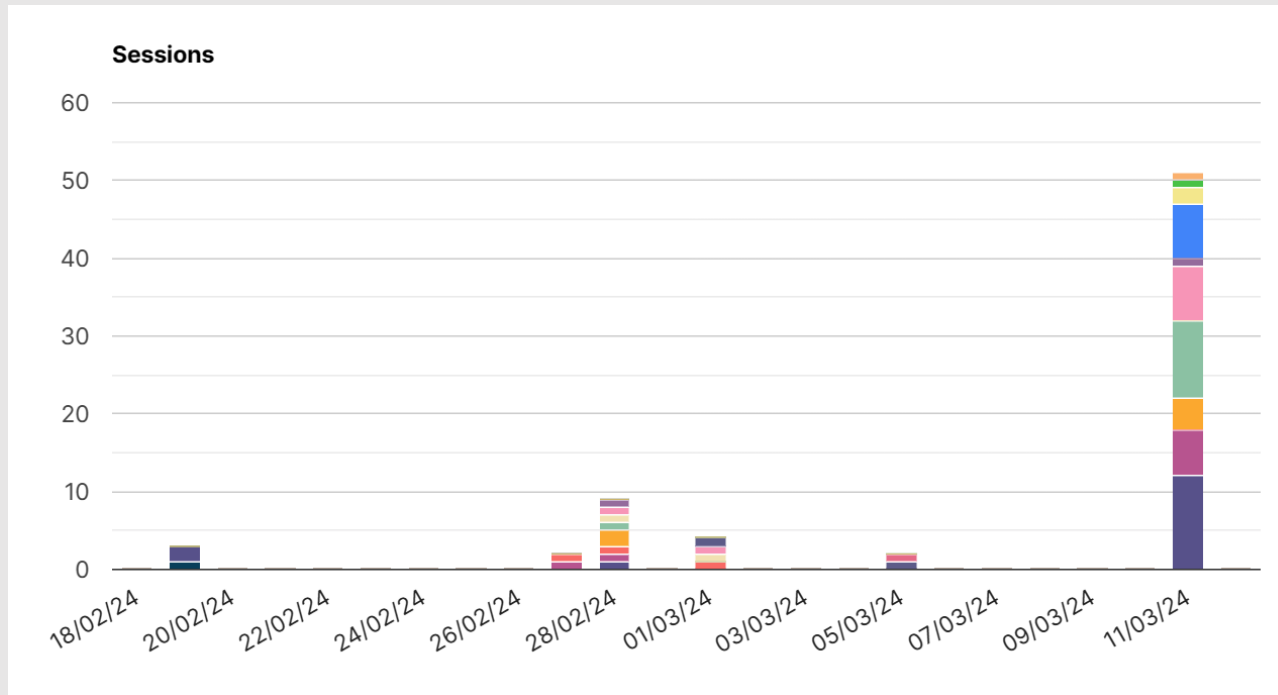
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Bodyswaps

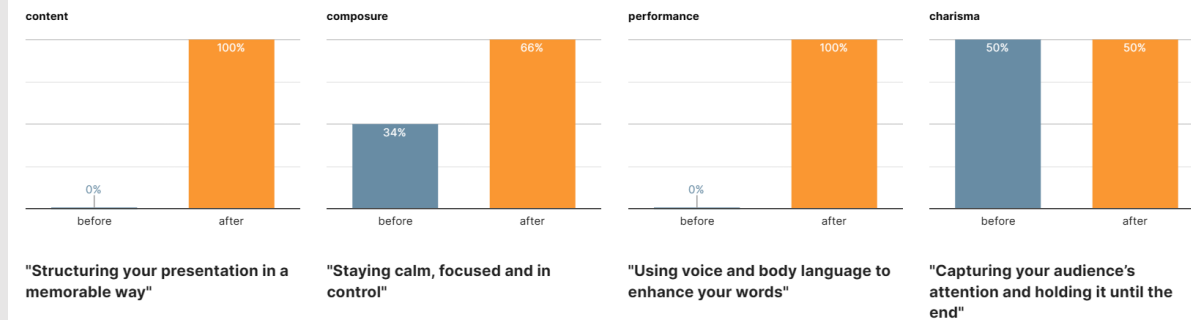
Experiential learning with VR focused on employability and soft skills. Since launch:

- 50 users
- 148 sessions



Self Assessment survey

Learners were asked to rate their confidence levels on different skills (1-5 rating), before and after training. Graphs compare the percentage of learners who felt confident (score of 4 or higher).

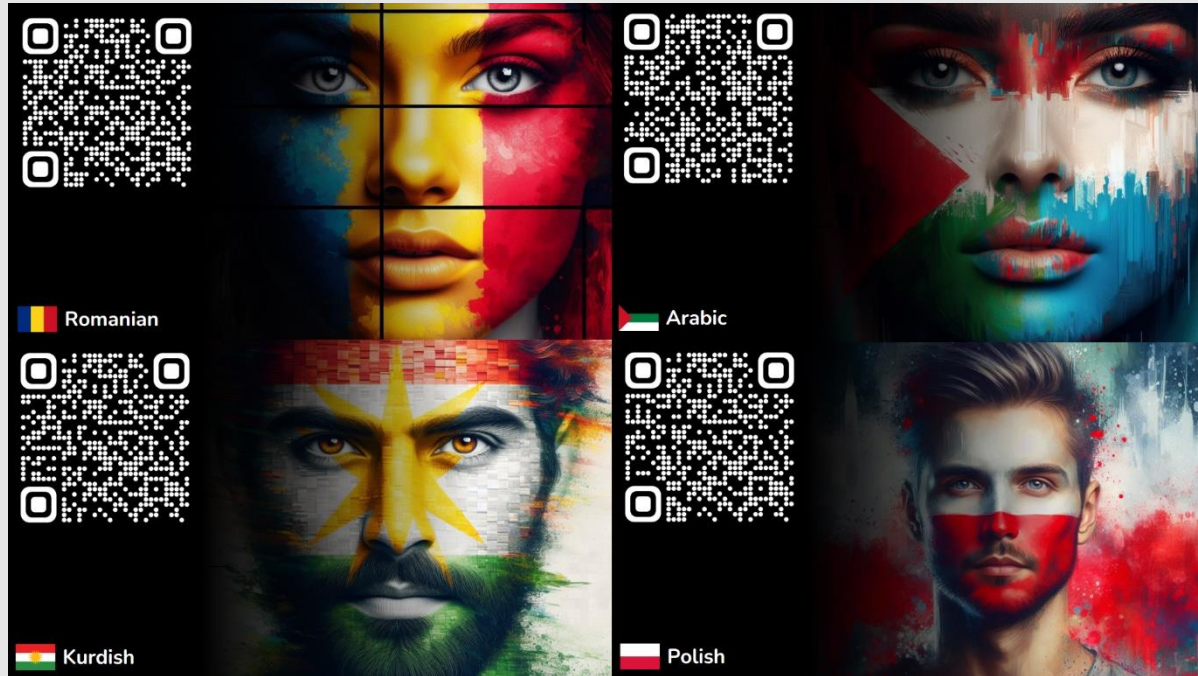


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Study Buddy



Student led project to develop a translation and accessibility application to welcome and assist new ESOL learners navigate around Hull College.



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East Riding College - TEC Partnership



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Digital Transformation in Construction

Access to latest technology in
quantity surveying

- A measured building survey is a detailed and accurate representation of a building's physical dimensions, layout, and features
- The main goal is to provide accurate information to architects, engineers, and designers about the building's existing conditions. This information is important for various purposes, including renovations, space planning, architectural design and structural assessments



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Leica GS18



Leica Disto S910

Railway Station Facade Renovation

Client: Powers & Tiltman

Crewe, UK

- A colour laser scan survey of an active platform. The survey provided accurate as-built information of the historic station built in 1837
- Design engineers used the scan information to accurately plan how to proceed with the renovation, allowing areas of the platform that were dangerous or with limited access to be viewed, measured and designed from without risk



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<https://www.offsetservices.co.uk/case-studies/rail/crewe-station>



Virtual Reality and Immersive Spaces



Engage students on a whole new level with immersive spaces

- Creation of two immersive spaces at our Beverley and Bridlington campuses
- Extend the curriculum into a whole new and exciting world of immersion
- Touch enabled walls and floors to allow full interaction
- Experience real life scenarios with 360 video combined with sound effects and scent
- Students can create their own content and share with others
- Aligning skills for the future



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Engage students on a whole new level with Virtual and Augmented Reality

- Creation of two VR / AR spaces at our Beverley and Bridlington campuses
- Extend the curriculum into a whole new and exciting world of virtual and augmented reality
- Create virtual worlds that allow students to interactive with each other across campuses
- Use mobile devices to combine the real world with computer-generated content
- Aligning skills for the future



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Wyke 6th Form College



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Digital Transformation

Wyke Future Classroom



What does this look like?

- Promethean Interactive Board
- Staff devices and workstations
- Microsoft College

Steps to get there

- Staff baseline assessment
- Well-designed and implemented continuous professional development plan based on the needs of staff and department
- Departmental and individual based targets

How will we integrate into curriculum?

- Context is key; the needs of each subject area will differ
- Use of learning accelerators
- Capturing modelled work; debates



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Development of AI Practices

Technology works best as a tool used by great teachers, and it is important to take a joined-up pedagogical approach. Technology, including GenAI, is not a catch all solution to educational challenges and could never replace the valuable relationship between teachers and pupils (Department of Education, 2024)

- Policies
 - JCQ guidance
- Teacher workload
- Student use of AI



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Careers at Wyke

Investing in our future leaders

- Careers Hub
- Stakeholder engagement
- Exciting opportunities



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Wyke
6TH FORM COLLEGE





Careers Convention

- Wyke's annual career convention
- October 23 and 24
- Day 1 – Higher Education
- Day 2 – Employers
- 85 providers over both days
- Available to all students
- Key talks on both days
- Excellent provider and student feedback



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CAREERS CONVENTION UNIVERSITY TALKS

UNIVERSITY	TALK	TIME
LOUGHBOROUGH UNIVERSITY	Study and play Sport at University	10:00
LIVERPOOL INSTITUTE OF PERFORMING ARTS	LIPA and applying/ auditioning	10:30
UNIVERSITY OF LAW	Careers in Law/ Psychology	11:00
UNIVERSITY OF SHEFFIELD	Applying to Russell Group Universities	11:30

CAREERS CONVENTION EMPLOYER TALKS

EMPLOYER	TALK	TIME
MICROSOFT	What does a Software Engineer do?	10:00
HERON	Retail as a perfect career choice for any skill set	10:30
ANSELL	STEM educational and career entry routes	11:00
HETA	HETA pathways	11:30
CRANSWICK	Opportunities with Hull's largest employer	12:00

CAREERS CONVENTION UNIVERSITY TALKS

MANCHESTER METROPOLITAN UNIVERSITY	Degree Apprenticeships	12:00
UNIVERSITY OF NOTTINGHAM	Student Finance	12:40
NEWCASTLE UNIVERSITY	Why Newcastle + PARTNERS	13:10
UNIVERSITY OF EXETER	Medicine and Nursing	13:50
UNIVERSITY OF THE ARTS LONDON	Portfolio Advice	14:20
SUNDERLAND	Engineering & Business	14:50

CAREERS CONVENTION EMPLOYER TALKS

CRANSWICK FINANCE	Apprenticeships in Finance	12:40
MCARTHUR DEAN	Advantages of apprenticeships and what an employer looks for	13:10
SPECTRUM HEALTH	Discussion around prison nursing	13:50
YIPIYAP	Gap year opportunities and the advantages of this	14:20
HUMBERSIDE POLICE	Pathways and careers opportunities in the Police force	14:50

'Young Health Champions Together'

- Hull University Teaching hospitals NHS trust and City Health Care Partnership (CHCP)
- The 'Young Health Champions Together' project demonstrates the shared commitment of each organisation to develop and grow young talents for the NHS and the communities
- The programme creates opportunities for students to make a meaningful impact whilst shaping the future of healthcare together. Being a 'Health Champion' can open doors to a bright future in the NHS. It could be that essential addition to your UCAS statement or job application that sets you apart from the crowd
- City Health Care Partnership (chcpcic.org.uk)



Wilberforce Sixth Form College



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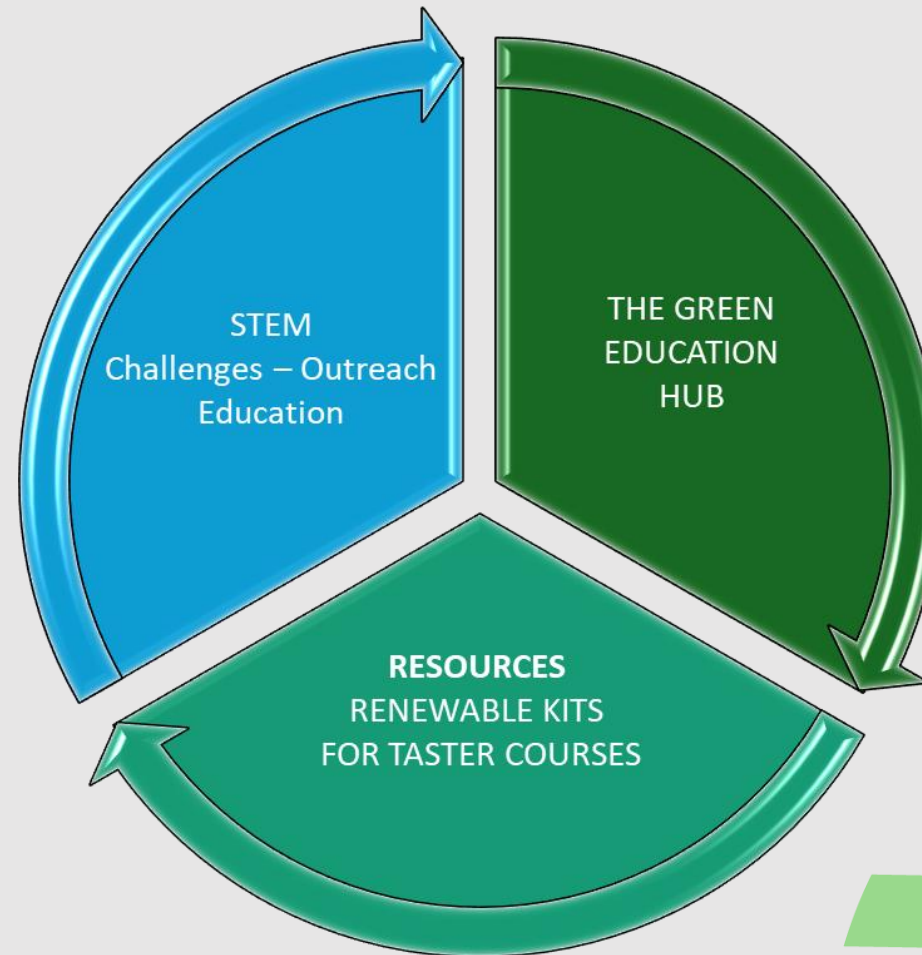


Green Energy Education

- Cross College Education
- Partnership Education Opportunities

"I really enjoyed showing others the things that I have learned, and it made it easier to remember when we had an assessment"

Kai Fielding, T Level Engineering student

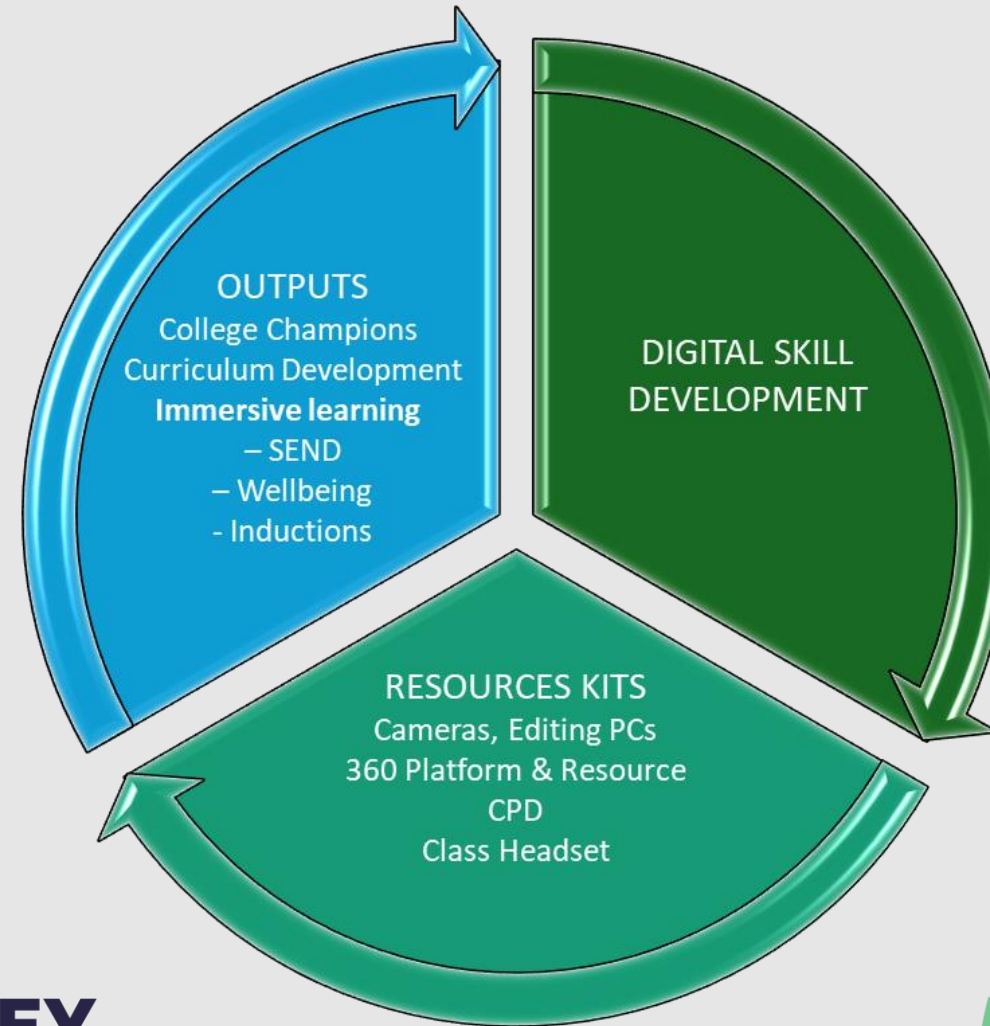


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Digital Education

- Digital transformation
- Delivery advancement
- Teacher investment - CPD



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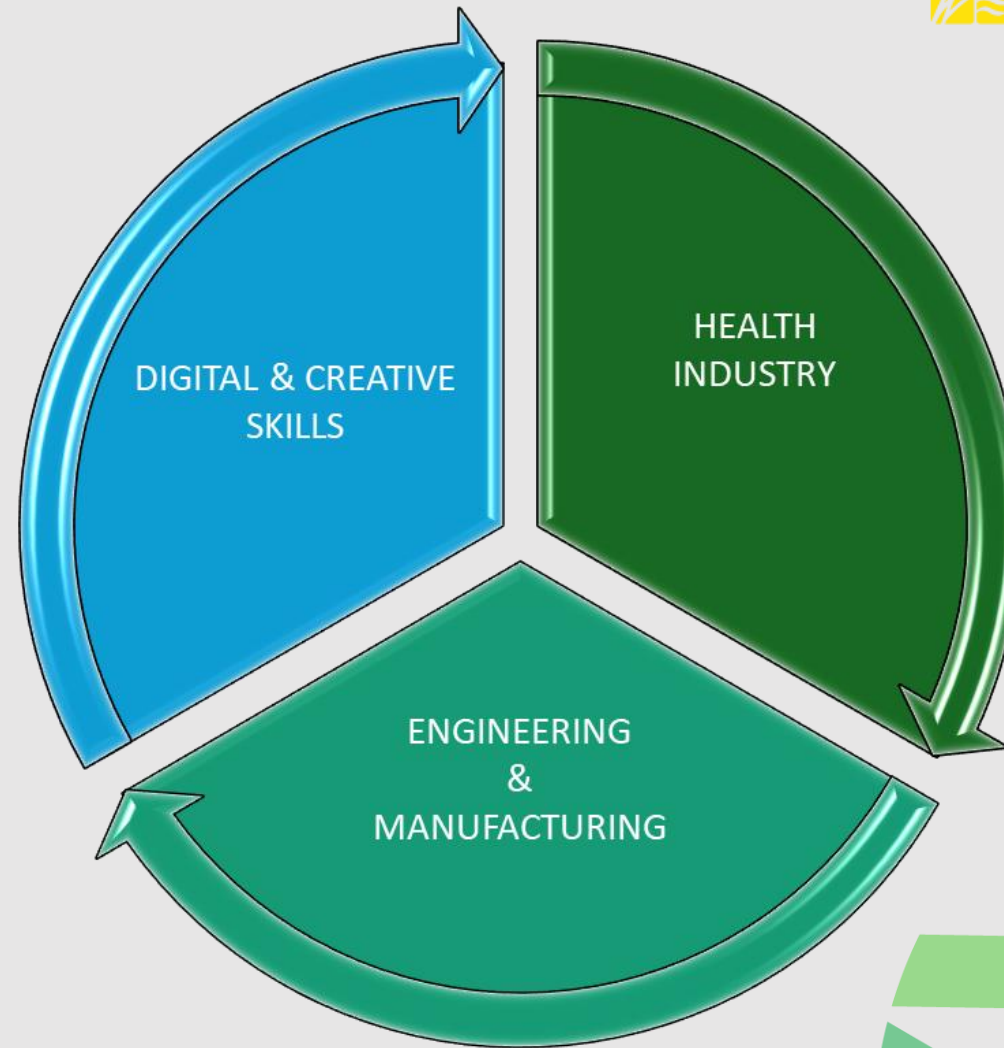
Priorities within projects

Leadership & Management

Digitisation

Green Skills

Work Ready Skills



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Thank you
for listening

Q&A



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