

SIXTH FORM  
INFORMATION BROCHURE



# OUR ACADEMY

WMG Academy for young engineers Solihull is a University Technical College specialising in engineering for students in Year 9, 10, 11, 12 and 13. Opened in 2016, the academy boasts unrivalled industry standard equipment in a purpose built Engineering Hall which showcases over £2 million of specialist equipment and ICT.

The Solihull academy is the second Warwick University sponsored specialist academy and mirrors the same innovative design as the WMG Academy Coventry located next to the university campus.

The Solihull Academy has thrived and expanded since opening and currently has 400 students on roll. Within the purpose-built site, is a canteen, dining area, activity area and a multi use games area alongside outside seating.



Dedicated ICT facilities include two state of the art CAD suites, an electronics room with access to the latest industry standard software, as well as a 'Chromebook' issued to every individual student.

These facilities in conjunction with specialist teaching staff allow engaging and innovative teaching and learning through digital technologies. The building is also designed with 'make and do' areas and 'break out spaces' that allow flexible learning spaces to mirror the world of work.

# WELCOME

WMG Academy Solihull is an exciting school created to develop tomorrow's engineering and technology specialists. The curriculum is heavily supported by local and national STEM employers who provide the 'world of work' experience to reinforce the skills learnt in the academy.

## CEO STEWART TAIT



It is with immense pride as the Principal that I welcome you to WMG Academy Solihull. We pride ourselves on getting our young people ready for the world of work, developing business-like, business led behaviours and offering opportunities with employers to ensure our young people are ready for their next steps.



The Academy places a particular focus on STEM (Science, Technology, Engineering and Maths). Please take a look at the STEM curriculum we have to offer and the wonderful opportunities available to all our young learners both inside and outside the classroom.

## ASSOCIATE PRINCIPAL CLAIRE MORRIS

As the Lead for Post 16/Sixth Form I take great pride in supporting our students through their educational journey. I pride myself in the work that our specialist teachers and pastoral support team do to ensure that by the end of their studies, students are not only equipped with the necessary skills for the world of work, but have developed professional business behaviours. The confidence and resilience our young people show is a testament to every member of the Post 16 team. Our "Business like, Business led" ethos sets our young people apart and ensures they secure the very best destinations for them ensuring continued success in their futures.

## KEY STAGE 5 LEAD JASVIR KAUR



# WHAT MAKES WMG ACADEMY SPECIAL?

We will ensure that our learners have high aspirations that provide the motivational drive to succeed. Strong employer, further and higher education links, as well as a professional ethos and culture, ensure our learners will be in demand from employers.

Our unique status of working very closely with some of the biggest employers in the region means that we have shaped a curriculum from day one, to ensure we produce learners with a professional ethos and culture. Team working is the norm and learners work together to develop the skills that employers really value. We are committed to developing team working, problem solving, creativity, leadership, communication, resilience and an ability to respond to change. As staff, it is our role to model those skills and behaviours to our learners in everything that we do.



Students at Post 16 can follow a flexible pathway bespoke to their needs. Students can opt to study three, Level 3 qualifications. Course include: T-Level Technical Qualification in Engineering, Manufacturing, Processing and Control, or T level in Digital Software Development, AAQ's in Engineering, Science, Art or Business. A Levels include: Product Design, Electronics, Computer Science, Maths, Further Maths, Physics, Chemistry and Biology. Students can mix qualifications to suit their own pathways.

# T-LEVEL

## TECHNICAL QUALIFICATION IN ENGINEERING, MANUFACTURING, PROCESSING & CONTROL AND DIGITAL SOFTWARE DEVELOPMENT

### OVERVIEW OF THE COURSE

T-Levels are new courses which will follow on after GCSEs and will be equivalent to three A Levels. These two-year courses have been developed in collaboration with employers and businesses so that the content meets the needs of industry and prepares learners for the world of work.

#### Technical qualification scheme of assessment overview

**Core Component – Learners must complete all assessment components**

Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Exam paper 1	Externally set exam	2.5 hours	100	35%	Externally marked	This component will be awarded on the grade scale A* - E
Exam paper 2	Externally set exam	2.5 hours	100	35%	Externally marked	
Employer-set project	Externally set project	15.5 hours	90	30%	Externally marked	

**Occupational Specialism Component - Learners must complete one assessment component**

Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Fitting and assembly technologies	Externally set assignment	25 hours 15 minutes	90	100%	Externally moderated	

### T-LEVEL FOUNDATION PROGRAMME

Students that do not meet the entry requirements for the T-level course but still would like to study it can enter the T-level Foundation programme. This program will develop students' Maths knowledge and understanding, improve their oracy and presentation skills as well as developing their practical skills in the workshops and will offer work experience opportunities in preparation for the full T-level course. By enrolling onto the foundation programme, students will spend 3 years in the 6th form.

# T-LEVELS

## THE NEXT LEVEL QUALIFICATION

# CORE VALUES

## RESPECTFUL

At WMG Academy, our learners practice courtesy and professionalism, valuing each person's contributions. Respect is shown through active listening, open communication, inclusivity, and fostering trust to build a cohesive team.

## PROFESSIONALISM

We expect learners to consistently demonstrate professionalism through reliability, clear communication, proper attire, collaboration, adaptability, accountability, and punctuality, fostering a positive learning environment and academy success.

## ASPIRATIONAL

WMG Academy learners set high goals for personal and professional growth. With ambition and dedication, they strive for skill development and academic excellence to achieve their future ambitions.



# THE SIXTH FORM HUB

Our Sixth Form space is an modern hub designed to feel less like a school and more like a professional innovation centre. It's an exciting, business-led environment where students have access to state-of-the-art CAD suites, high-tech electronics labs, and flexible "make and do" areas. Whether you are collaborating in our vibrant breakout spaces or focusing in our dedicated quiet study zones, every inch of the facility is built to bridge the gap between education and the professional world. With a constant buzz of creativity and industry-standard technology at your fingertips, it is the perfect place to transition into your future career.



## WELCOME To Our Sixth Form

*"Between the incredible teacher support and the relaxing 6th Form space, it's just a great place to be." - Kane Suffolk*

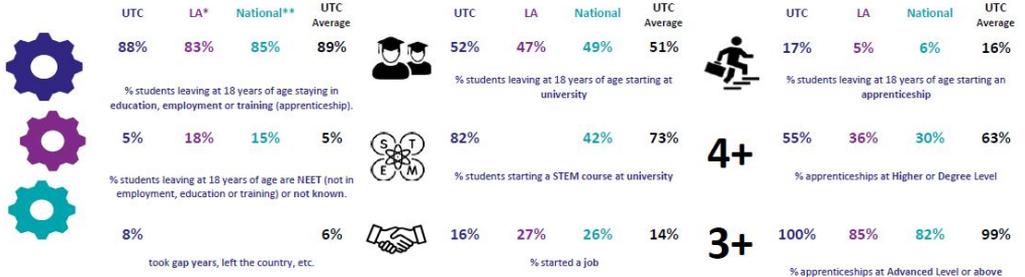
. RESPECTFUL . ASPIRATIONAL . PROFESSIONAL .

WMG  
Academy for Young  
**engineers**  
Solihull



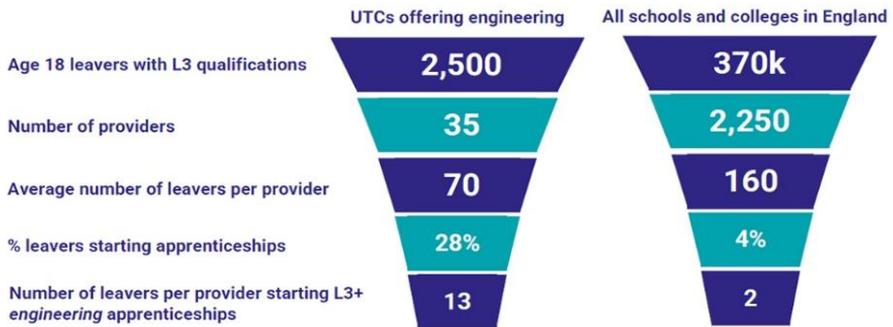
WMG is part of the UTC network and the Baker Dearing Trust. The UTC network was set up in 2006 by Lord Baker who wanted a better provision for technical education; there are now approximately 40 UTC's across the country. The infographic below highlights how UTCs enhance students' skills, improve their employability, and support their future destinations.

### WMG Academy for Young Engineers (Solihull)



\* Solihull local authority average for level 3 leavers from mainstream schools and colleges (summer 2023 - latest)  
 \*\* National average for Level 3 leavers from mainstream schools and colleges (summer 2023 - latest)

## UTC track record with engineering apprenticeships



## Skills and employability crisis

70% of parents believe primary and secondary education doesn't teach children about the real-life application of the subjects they learn about – IET Engineering Kids Futures (2022)

Muddled policies putting UK's lead in creative industries at risk, peers warn

Report criticises indifference to sector's potential and calls for new approach to address skills shortages

**Employers struggle to fill digital vacancies as only one in 10 workers possess the skills, report finds**

Experts say skills shortage stems from rapidly evolving technology and the structure of the UK workforce

**Why are young people not prepared for the jobs of the future?**

*The UK is ranked 64th globally in skills development*

NHS staff shortages in England could exceed 570,000 by 2036, leaked document warns

Exclusive: workplace plan sent to ministers says deficit will rise rapidly from current 154,000 if current trends continue

81% of UK bosses say digital skills gap is hurting business

# DESTINATIONS

WHERE DO OUR SIXTH FORM STUDENTS GO?



DESIGN ENGINEERING,  
HIGHER APPRENTICESHIP



PRODUCT DESIGN  
ENGINEERING,  
CIVIL ENGINEERING



MARINE ENGINEERING,  
ADVANCED APPRENTICESHIP



HARDWARE ENGINEER,  
DEGREE APPRENTICESHIP



MACHINIST,  
ADVANCED APPRENTICESHIP



MACHINIST,  
ADVANCED APPRENTICESHIP



WEAPON SYSTEMS OPERATOR,  
ADVANCED APPRENTICESHIP  
AVIONICS, ADVANCED APPRENTICESHIP



CIVIL ENGINEERING, DEGREE  
APPRENTICESHIP

# DESTINATIONS

WHERE DO OUR SIXTH FORM STUDENTS GO?



Where  
buildings  
come alive

**PUBLIC HEALTH ENGINEER,  
HIGHER APPRENTICESHIP**



**QUANTITY SURVEYING,  
DEGREE APPRENTICESHIP**



**BIOMEDICAL ENGINEERING**



**BIRMINGHAM CITY  
University**

**CIVIL ENGINEERING,  
COMPUTER SCIENCE WITH  
PLACEMENT YEAR**



**UNIVERSITY  
OF HULL**

**COMPUTER SCIENCE**



**UNIVERSITY OF  
WOLVERHAMPTON**

**MOTORSPORT WITH  
PLACEMENT YEAR  
PHARMACOLOGY**



**AUTOMOTIVE ENGINEERING,  
AEROSPACE SYSTEMS ENGINEERING,  
CIVIL ENGINEERING, MECHANICAL**



**HGV ENGINEERING TECHNICIAN,  
ADVANCED APPRENTICESHIP**

# SUCCESS STORIES



Jack studied the BTEC National Extended Diploma in Engineering, achieving Distinction\* Distinction\* Distinction\*. He has secured a place at Oxford Brookes University to study a degree in Motorsport Engineering.



Princess studied BTEC Business, achieving a Distinction, A Level Mathematics (grade B), A Level Computer Science (grade A), and the Extended Project Qualification (grade B). She has secured a place on the Amazon Degree Apprenticeship with Queen Mary University of London.



Romaya studied Double Engineering, Product Design, and an EPQ, achieving Distinction Distinction in Double Engineering, a C in Product Design, and an E in her EPQ. She has secured an apprenticeship with Babcock as a Naval Architect.



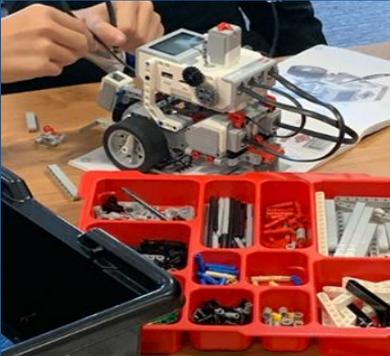
Robert studied the BTEC National Diploma in Engineering and the OCR Level 3 Cambridge Technical Extended Certificate in IT, achieving Distinction\* Distinction in Engineering and Distinction in IT. He has secured a place at Northumbria University to study a degree in Computer Science.



Noah studied A Level English Literature and Language (grade C), BTEC Art and Design (Distinction), and BTEC IT (Distinction). He has secured a place at the University of Birmingham to study a degree in English.

# ENRICHMENT

At WMG 6th Form, we believe education extends beyond the classroom. Our Enrichment Program is designed to foster personal growth, teamwork, and practical skills, giving students the chance to develop in areas that excite them. We offer a wide range of enrichment activities that cater to diverse interests and passions, including Sport, STEM, and creative pursuits. Whether it's honing athletic ability, exploring innovative engineering projects, or participating in collaborative problem-solving challenges, every student has the opportunity to engage in experiences that broaden their horizons. These activities not only support academic success but also promote essential life skills like leadership, resilience, and teamwork preparing our students to thrive in a dynamic world.



**BOSCH**



**FIRST  
LEGO  
LEAGUE**

**CHALLENGE**

**WMG**  
Academy for Young   
**engineers**  
Solihull

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