



## Prospectus





Innovation, exploiting new technologies and the deployment of technical skills are at the heart of WMG's mission and at the heart of the WMG Academy's vision for our future engineers. By ensuring our students have both the academic knowledge and practical skills required to enter employment, we are preparing them not just for their careers, but also to help change the world.

**Professor Lord Bhattacharyya,**  
Chairman and Founder, WMG



The University of Warwick is proud to be the sponsor of the WMG Academy for Young Engineers. This is a key part of our regional growth strategy, and also ensures that we reach out to young people to raise aspirations and achievement.

**Professor Stuart Croft,**  
Vice Chancellor University of Warwick



## Executive Principal's welcome

From the very start we have had a clear mission and vision for the WMG Academy, and that was to be business-like and business-led. We wanted to create an environment where young people with a passion for creating, doing and designing could acquire the technical and business skills required to become the engineers of the future.

Learners at the WMG Academy develop their engineering and employability skills in addition to their academic success. But this is no ordinary education. Our students are different, our education style is different. Students wear business attire (a choice they made themselves), often work longer hours with additional enrichment time and can bring their own devices with them, to support them in their learning.

Our business-like, business-led vision drives everything we do. Working with a range of local, national and international companies our students complete the engineering projects these partners set, which form the basis of their assessment and curriculum. Through these projects

we bring to life the core subjects of maths, science and English, to support their achievement and attainment.

We expect each of our learners to leave with the skills they will need for the 21st century, ready for apprenticeship, further education or university.

I am proud to be the Executive Principal of the WMG Academy for Young Engineers and look forward to welcoming you to our growing community. Please feel free to contact me if you would like more information or to visit the WMG Academy.

**Kate Tague**  
Executive Principal







## Welcome from the Associate Principal

WMG Academy for Young Engineers is a different type of school.

We value a broad range of academic and vocational qualifications which together form part of a curriculum which is both challenging and directed towards the world of work. Passionate teachers, world-class facilities in a pleasant, new-build environment are at the heart of our offer to young people. GCSEs, A-levels and work-related qualifications are set within an ethos of 'business-like, business-led' behaviours.

As a relatively small academy, we get to know our students quickly. We pride ourselves on our positive relationships with students as well as

our outstanding destinations - world class universities and companies who have offered our college leavers the most incredible opportunities in science, technology, engineering and mathematics.

Our support from the University of Warwick as well as our national and international partners from business make a real difference to the lives of our learners. Visiting lecturers and opportunities to see engineering and manufacturing in a real-life context are a fantastic benefit to every single student.

I leave you with one clear message. A longer working day, a challenging academic curriculum, structured homework, and a strict business dress code are our clear expectations for every learner. Please come and experience it for yourself in order to make an informed choice about your next steps in education.

**Matt Brady**  
Associate Principal

## Introducing the WMG Academy for Young Engineers

Our school is like no other school. We've turned the traditional approach to education on its head by putting real, business-focussed, practical problems and challenges at the centre of the curriculum.

We believe that by learning in a creative and innovative way our students will be much better prepared for the challenges which follow, whether they be in companies, in further education or at university. Education is exciting for our students, we give them an experience with real value; one that will lead to a diverse range of positive progression pathways for every single student.

Working with the University of Warwick and some of the biggest employers in the region means that we have shaped our curriculum from day one to ensure we produce students with the professional ethos that is in high demand in today's working world. With high academic standards and business-led dress code, our expectations are clear to all our learners.

Our vision is to deliver a dynamic curriculum, underpinned by a radical learning and teaching approach, designed around the needs of both students and employers. Our innovative new learning environment has been designed to engage students and generate an excitement for the engineering opportunities that will shape the creation of the high value products of tomorrow.

Team working is the norm for our students – they work together to develop skills that employers value: problem-solving, creativity, leadership, communication, resilience and the ability to respond to change. This is reflected in our innovative learning bases which hold our classes of up to 60 students, always with more than one member of teaching staff.

Students at the WMG Academy can expect a challenging and exciting curriculum which will help them grow and develop their skills and progress into higher or further education or employment.

**Balfour Beatty**

**DASSAULT SYSTEMES**

**JAGUAR**

**LAND ROVER**

**the autins group**

**prodriue**

**Rolls-Royce**

**Rolls-Royce**



## Engineering with Experts

We are currently working with the following employer partners: Jaguar Land Rover, National Grid, Balfour Beatty, BOSCH, Cummins, Prodrive, VINCI Energies, Automotive Insulations, Squires Gear, Dassault Systemes, Tata Motors, Oleo-Savery, Aston Martin, WMG and the University of Warwick.

In addition to our business partners, we are also working alongside a number of employer groups who have helped steer the plans for the new Academy, including: The EEF (the manufacturers organisation) and The Coventry & Warwickshire Chamber of Commerce.

## Our Curriculum

### Curriculum: Year 10 and 11

Our students have a rich curriculum of core subjects, engineering and up to three additional subjects.

The current core curriculum is\*:

- ▶ GCSE Mathematics
- ▶ GCSE English
- ▶ GCSE Core and Additional Science
- ▶ PE, PSHE and RE [non-examined]

Our specialist engineering qualifications are delivered through employer-led projects to ensure students experience a real-world challenge, develop their engineering knowledge and practice their employability skills.

In addition students are able to choose options such as:

- ▶ Separate Sciences
- ▶ Geography
- ▶ Art and Design
- ▶ Business
- ▶ Product Design
- ▶ Modern Foreign Languages
- ▶ Product Design
- ▶ Computer Science

Some options are only available following entrance testing.

### Curriculum: Years 12 and 13

At Post 16 we work with students to devise the most appropriate curriculum for them based on their performance at GCSE and their career ambitions and destinations.

#### Pathway A:

For students wishing to study engineering at university or pursue a Higher Level apprenticeship. Students may study an engineering qualification and up to 4 A levels:

#### Pathway B:

For learners wishing to study engineering at university, pursue an apprenticeship or go into further education. The qualifications we choose support learners who prefer continuous assessment as opposed to external examinations.

#### A level:

WMG Academy offers the following A level / BTEC subjects\*:

- |                                      |                         |
|--------------------------------------|-------------------------|
| ▶ Art & Design                       | ▶ BTEC Business         |
| ▶ Biology                            | ▶ BTEC Engineering      |
| ▶ Business                           | ▶ BTEC Applied Sciences |
| ▶ Chemistry                          |                         |
| ▶ Computer Science                   |                         |
| ▶ Further Maths                      |                         |
| ▶ Geography                          |                         |
| ▶ Maths                              |                         |
| ▶ Physics                            |                         |
| ▶ Product Design                     |                         |
| ▶ Cambridge Technical in Engineering |                         |

NB: There are a minimum entry criteria for both pathways. Please check our website for more details.

\* Subject to change



# Facilities and Location

Our business-like and business-led vision is reflected in our bespoke building, an innovative, unique learning environment.

The Engineering Hall follows the process of 'design, create, do' with students able to design on the CAD\* mezzanine and then create using our industrial standard equipment of mills, lathes, Computer Numerically Controlled machines, fabrication, welding and bench fitting area to gain the engineering skills they need. A fully equipped electronics lab allows learners to cover a wide range of engineering disciplines.

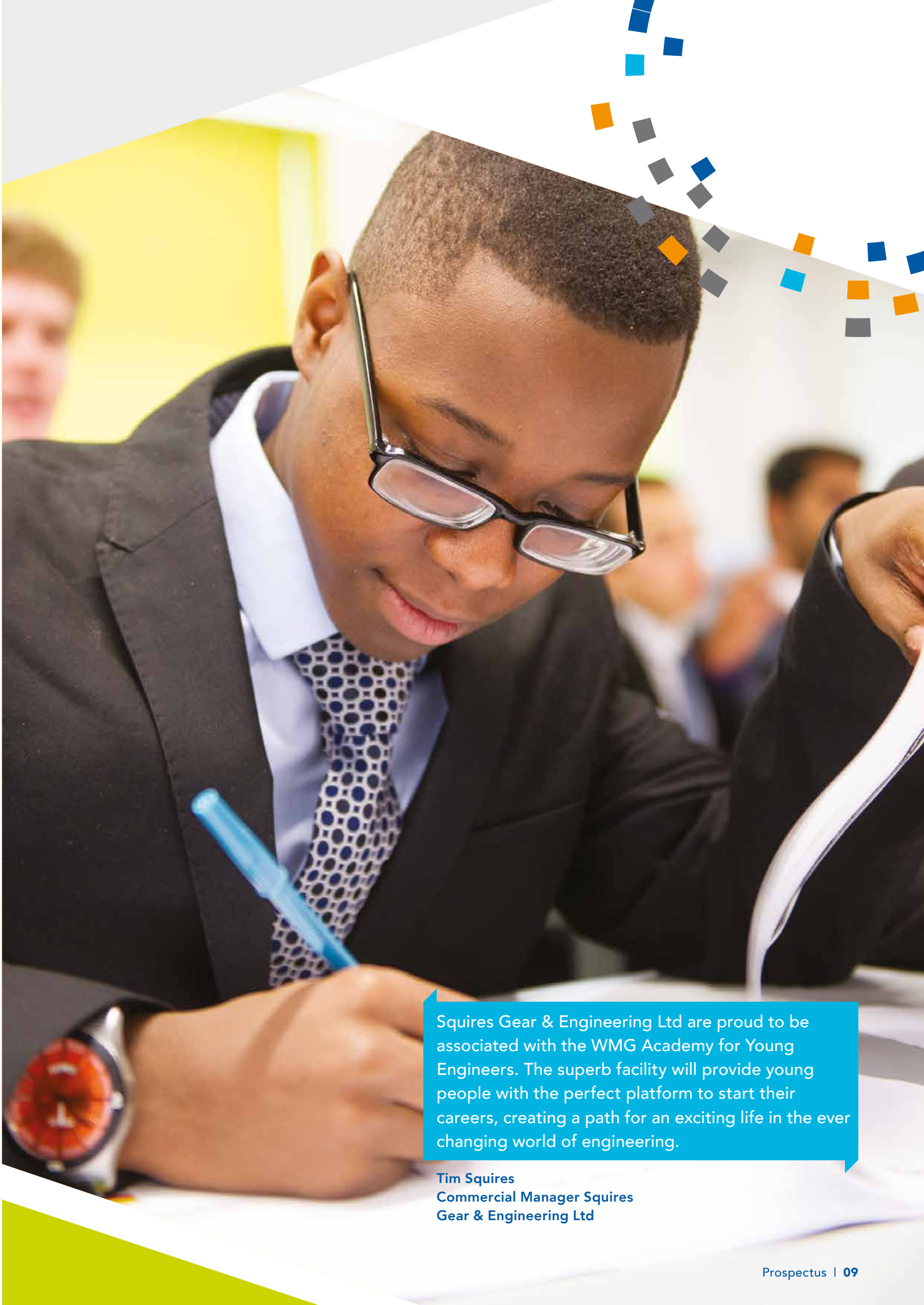
Our Sixth Form Study Centre is a place for independent study and learning, staff are always on hand for support and guidance; there are also break-out spaces on each floor for group work and an atrium for assemblies and the showcasing of work and exhibitions.

The WMG Academy is IT-rich with laptops, standard PCs and CAD machines throughout the building. Students are asked to bring their own laptop and use our secure wireless system. Our learners work in a business-led environment very much like any professional engineer and our digital technology and purpose-built learning environment reflects this.

Located on Mitchell Avenue in Coventry, we sit alongside the Westwood Academy, with which we share dining and sports facilities. In addition to this we also have access to the substantial sports facilities at the University of Warwick, just a few minutes' walk from the Academy.

Our proximity to the University means that we have excellent access to a range of public transport as well as National Cycle Network routes.

Students also have the opportunity to use WMG's facilities at the University of Warwick where they can work alongside academics, undergraduate and postgraduate students as well as businesses such as Jaguar Land Rover and Tata Motors. With the development of the new National Automotive Innovation Campus at the University, there will be increasing opportunities to access these facilities.  
\*Computer-Aided Design



Squires Gear & Engineering Ltd are proud to be associated with the WMG Academy for Young Engineers. The superb facility will provide young people with the perfect platform to start their careers, creating a path for an exciting life in the ever changing world of engineering.

Tim Squires  
Commercial Manager Squires  
Gear & Engineering Ltd



# Student Life

The ethos of the WMG Academy is business-like and we draw on business practice for both our student and staff assessment, monitoring the development of employability and life skills such as team-working, leadership and problem-solving.

### Enrichment

Our KS4 students participate in a varied programme of enrichment activities designed to build their confidence, team working and employability skills. These activities are drawn from three principal areas: engineering and STEM, personal development and sports. Our employer partners want our students to demonstrate that they are able to contribute to society in a positive way and this programme allows us to achieve this objective.

### Intervention

Academic achievement is very important to us and at times, students need extra support in order to achieve their academy targets. We offer intervention sessions at the end of the school day to reinforce concepts and revisit topics. As we develop, these interventions become even more targeted at closing performance gaps between students.

### Student Leadership

Our student leadership forum (SLF) is an opportunity for students to test out their leadership skills. We are proud of what this group has achieved since we opened and look forward to new applicants who want to prove to universities and employers that they can lead effectively.

There are high expectations for standards of behaviour and personal conduct which reflect the professional environment of the WMG Academy for Young Engineers. This includes a dress code in line with the professional appearance that would be expected in a business environment.

### Pastoral time

PSHE/Citizenship sessions, competitions, mentoring, assemblies and time available for self-supported study are all part of our pastoral programme.



### Additional educational needs

Under the direction of our SENCo, we ensure that all learners receive any additional support and guidance they need to succeed.

### Beyond the Academy

From their first day at the WMG Academy to the last we work with our learners to help them prepare for their future careers. From technical skills through to communication and business skills we'll do everything we can to help plan for future careers, whether that's as an apprentice, into further or higher education or straight into work.





Dassault Systemes are proud to be partners and suppliers to the WMG Academy for Young Engineers. Ensuring that the next generation of engineers have the right skills to sustain and develop this country's engineering future is vital to us. We feel that this academy with its unique employer partnerships is ideally positioned to teach those skills.

Lucy Mcewan  
EURONorth GEO Program  
Director, Dassault Systemes

## Working in Partnership

### Students:

Our learner's journey with us starts as soon as they are offered a place. They are invited to a guidance interview to discuss their current progress and their future career plans, enabling us to plan together their curriculum in Y10 or Y12. Each student must demonstrate an interest in engineering or the wider STEM arena.

### Employers:

The WMG Academy has a wealth of partners who support our curriculum, mentoring programme, inspire our strategic direction and support our careers guidance. They ensure that the WMG Academy curriculum meets the needs of industry and is current practice.

### Parents:

At the WMG Academy we strongly believe that the support of parents is a key element of the success of their child. Parents will receive regular progress reports and are invited to attend consultation evenings with staff. Parents are of course the key partners for our demanding homework programme.

The personal tutor will be the key point of contact for parents who will be able to discuss the student's individual personal learning plan and their targets. A Parents' Forum is held regularly to discuss parental views.

### Staff:

Many of our teaching staff have worked in industry or studied engineering to degree-level. This rich

experience, combined with the fact that many of our teachers are multi-disciplinary, makes them ideally suited to teach our project-based curriculum; leading, supporting and guiding our learners across a range of subjects.

Teaching staff are supported by our excellent facilities, operation and administration staff all of whom also work with students and employer partners to ensure a fully-integrated community, with business at its heart.

### Governance:

The Governing Board of the WMG Academy for Young Engineers is constituted of our sponsors, employer partners, educationalists, staff and parent governors.





# Applying to join in Year 10

Year 10 admissions must be made via the schools admissions teams in the local authority where you live. The local authority will then liaise with the Coventry City Local Authority Admissions team. Contact details for Coventry, Solihull and Warwickshire are as follows:

## Coventry City Council

Admissions open 1 September annually, please check website below.

Admissions and Benefits Team,  
Room 36-37, Civic Centre 1,  
Earl Street, Coventry CV1 5RS

**Tel: 024 7683 1577/2499/2801**

**Email: [secondary.admissions@coventry.gov.uk](mailto:secondary.admissions@coventry.gov.uk)**

## Metropolitan Borough of Solihull

Admissions open 1 August annually, please check website below.

School Admissions, PO Box 20,  
Council House, Solihull,  
West Midlands, B91 9QU

**Tel: 0121 704 6693**

**Email: [admissions@solihull.gov.uk](mailto:admissions@solihull.gov.uk)**

## Warwickshire County Council

Admissions for Y10 open on 30 June annually, please check website below.

Warwickshire Admissions Service,  
Saltisford Office Park, Ansell Way,  
Warwickshire, CV34 4UL

**Tel: 01926 742037**

**Email: [admissions@warwickshire.gov.uk](mailto:admissions@warwickshire.gov.uk)**

If you live outside of Coventry, Warwickshire and Solihull you will need to contact the Local Authority in which you reside for an application form. If you would like to discuss your child joining the WMG Academy in Year 10 then please contact us by email at [info@wmgacademy.org.uk](mailto:info@wmgacademy.org.uk) to arrange a meeting.

# Applying to join in Year 12

Year 12 Admissions will be processed by the WMG Academy – Application forms are available to download on the admissions page of our website.

Alternatively you can call or email us and request an application form by post.

We hold regular drop-in surgeries throughout the year for learners interested in studying with us and you are welcome to contact us and arrange to come in and discuss joining the WMG Academy at any time.

Students who wish to study Post 16 will need to meet our minimum course entry requirements and any additional requirements for specific courses.

Working closely with many of the UK's leading engineering, manufacturing and technology companies, like Jaguar Land Rover and Rolls-Royce, I see the demand from them for bright and inquisitive young engineers to help develop cutting-edge technologies and build exciting new products. Our role at the Academy is to help meet this need, inspire young people and offer them an outstanding education that gives them the tools to take up the many opportunities available to them.

**Ben Story, Governor,  
WMG Academy for Young Engineers,  
University of Warwick Alumni**



### WMG Academy for Young Engineers Coventry

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Telephone: 024 76464661

Email: [info@wmgacademy.org.uk](mailto:info@wmgacademy.org.uk)

Find us on:

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