

WMG INTENT

*“Projects we have completed demonstrate what we know –
future projects decide what we will learn.”*
- Dr. Mohsin Tiwana

BTEC Engineering (KS5) Curriculum Intent

By the end of their learning journey in Engineering **we intend for our students to be** ready for the world of work, by being able to portray a range of vocational and academic engineering skills, problem solving and technical skills through the completion of a range of specialist units.

You will develop the following skills:

- Analytics
- Communication
- Technical
- Team working
- Research
- Problem solving
- Report writing
- Independent working
- Creativity
- Practical
- Numerical
- Evaluative
- Literacy

You will develop knowledge and understanding of a range of engineering disciplines covering areas of mathematics, physics, materials, electronics and design as well as workshop techniques both manual and automated using the advanced manufacturing equipment available. You will also gain an understanding of how these skills and techniques are used in multiple industries and how this prepares you for a career in engineering.

Business opportunities: Being part of an Engineering specialist college means that learners and staff are able to enjoy, experience and develop their knowledge through exciting opportunities with a range of business partners and through the use of state of the art equipment.

School Curriculum Intent

At WMG academy our curriculum intent is to provide a STEM focussed curriculum that prepares pupils for the world of work, we are business led; as such we provide a rigorous, expertly sequenced curriculum with engineering at the heart. Alongside the curriculum we have a nurturing pastoral support team providing enrichment and guidance, thoroughly preparing students to be career ready.

School Mission

WMG Academy aims to send students into the world with a professional attitude, an understanding of business and a mature approach to work.

Our 'business-like, business-led' ethos gives students a head start. Employers pay for apprentices to study and work, with many commanding generous starting salaries in secure industries.