

BTEC Engineering

GCSE / Equivalency value	Equivalent to 1 GCSE, 2 GCSEs or 4 GCSEs (dependent on the number of units completed.)
Assessment	100% Controlled Assessment
Topics of Study	<p>Pupils will study the following topics:</p> <p>Health and Safety - Pupils will learn about health and safety in the engineering workplace.</p> <p>Interpreting Engineering Information – Pupils will learn how to read information on technical documents.</p> <p>Mathematics – Pupils will learn how mathematics is used in engineering.</p> <p>Electrical and Mechanical Science - Pupils will learn how physics is used to solve engineering problems.</p> <p>Engineering Materials - Pupils will learn about the different types of materials used in engineering.</p> <p>Computer Aided Design (CAD) – Pupils will learn how to use CAD to produce different types of technical drawings.</p> <p>Engineering Marking Out – Pupils will learn how to accurately mark out work on different types of materials.</p> <p>Engineering Machining - Pupils will learn how to safely use engineering machinery.</p> <p>Casting and Moulding - Pupils will learn about different types of casting and moulding processes.</p>
Homework	Pupils are regularly required to research topics of study in preparation for lessons and controlled assessment tasks.
Parental Support	Parents can assist their children by checking that they are up-to-date with their work by asking to see their personalised progress list.

