Subject: **BTEC Engineering**

Examination Board	Edexcel/Pearson
Specification Number	QN 603/0829/1
Teacher responsible	Mr Sneddon

Introduction

Engineering gives learners the opportunity to gain a broad understanding and knowledge of the engineering sector by giving students the opportunity to gain knowledge and develop a range of personal skills and techniques relevant to working in the engineering sector.

The course gives full-time learners the opportunity to enter potential employment within a wide range of engineering sectors such as mechanical, automotive and electrical.

Course Content

Component 1: Exploring Engineering Sectors and Design Applications **(Internally Assessed)**
Component 2: Investigating an Engineering Product **(Internally Assessed)**
Component 3: Responding to an Engineering Brief **(Externally Assessed Synoptic Assessment)**

Assessment

Components 1 and 2
The assessment approach for the internally assessed units, enables learners to receive feedback on their progress throughout the course, as they provide evidence towards meeting the unit assessment criteria.

Evidence for assessment may be generated through a range of diverse activities, including assignment and project work, case studies, workplace assessment, role play and presentations. The work is contextualised within the engineering sector by encouraging learners to research and carry out assessment in the workplace, or in simulated working conditions, wherever possible.

Component 3
This is a synoptic assessment, which draws on the knowledge gained in the previous two components. Students will be given a brief which they have to interpret, they will have to respond to the brief and give solutions to an engineering problem.

Progression

The BTEC Level 2 Engineering provides a good foundation for learners in post-16 education, or to entry level job roles within the sector.

Achievement at Level 2 provides a suitable foundation for further study within the sector through progression on to other vocational qualifications at level 3, such as the Pearson BTEC Level 3 Nationals in Engineering (offered at the UTC) or Electrical/Electronic Engineering.

Successful learners at Level 2 may also consider general qualifications at Level 3, such as GCE AS or A Levels in Engineering or Design and Technology - Product Design.