SWB6TH

Supporting the Whole person to be the Best

Technology at SWB 6th

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Careers in Engineering

Aerospace Engineer
Agricultural Engineer
Automotive Engineer
Biomedical Engineer
Civil Engineer
Computer Engineer
Secondary Teacher

Subject: BTEC level 3 Extended Certificate in Engineering 601/7584/9

Awarding body: Pearson

Course level: 3

Category: Vocationally-Related Qualification

Qualification size: 1

Entry requirements; • Grade 6 or above in Maths. Grade 6 or above in Physics/Combined Science. Grade 5 or above in Product Design/Engineering

This course provides an attractive alternative to the traditional 'A' level for students who prefer to have more practical element. The fundamental philosophy of this course is that you actively experience the engineering environment. BTEC L3 National Certificate is equivalent to ½ A-Level.

Engineering at SWB 6th

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Careers in Engineering

Aerospace Engineer
Agricultural Engineer
Automotive Engineer
Biomedical Engineer
Civil Engineer
Computer Engineer
Secondary Teacher

Subject: BTEC Level 3 National Diploma in Electrical and Electronic Engineering (subject to confirmation) (1)

Awarding body: Pearson
Course level: 3
Category: Vocationally-Related Qualification
Qualification size: Equivalent to 2 A-Levels
Entry requirements; Grade 6 or above in Maths. Grade 6 or above in Physics. Grade 5 or above in Product Design/Engineering

Subject: BTEC Level 3 National Diploma in Mechanical Engineering (subject to confirmation) (2)

Awarding body: Pearson
Course level: 3
Category: Vocationally-Related Qualification
Qualification size: Equivalent to 2 A-Levels
Entry requirements; Grade 6 or above in Maths. Grade 6 or above in Physics. Grade 5 or above in Product Design/Engineering

Focussing on the major disciplines within engineering, the learner will gain the knowledge and hand skills needed to develop or build on a successful career in engineering and advanced manufacturing.

This course (Mech) will develop your knowledge of the core engineering subjects, as well as giving you the chance to specialise in mechanical engineering. You will learn how engineering businesses operate and the factors that affect them and the wider industry. You will also have the chance to develop and apply the use of Computer-Aided Design (CAD) in a range of engineering projects.

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Careers in Product Design

Art Director
Graphic Designer
Automotive Engineer
Materials Engineer
Product Manager
Production Designer
Secondary Teacher

Subject: Level 3 Advanced GCE in Design and Technology: Product Design (3-D Design)

Awarding body: AQA
Course level: 3
Category: A-Level
Qualification size: 1
Entry requirements; Grade 6 or above in Maths. Grade 5 or above in Product Design/Engineering

The A-Level Syllabus

Topic 1 Materials, Components and Application
Topic 2 Learning Through Designing and Making
Topic 3 Design and Manufacture
Topic 4 Design and Making Practice

A-level Design and Technology: Product Design (3-D Design) helps students take a broad view of design and technology, develop their capacity to design and make products and appreciate the complex relations between design, materials, manufacture and marketing.

Design and Tech at SWB 6th

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