Holy Trinity School

A Church of England Secondary School



Electronics A-Level Curriculum Guide

Electronics

Holy Trinity School

This course is a full A Level Course which is ideal for students who wish to study engineering or follow an apprenticeship

MINIMUM SUBJECT ENTRY REQUIREMENTS (in addition to the general 6TH form minimum entry requirements of 4 x grade 4 at GCSE/equivalent or above including maths and English):
GCSE Combined Science 4,4 or Physics 4 + 4s in other Sciences. Design & Technology (Systems) an advantage. Grade 5 in Maths.

In this course you can expect to gain the electronic and mathematical knowledge and electronic engineering skills to solve some of the many problems in society that can be tackled through the application scientific ideas in the field of electronics using engineering processes. The practical work enables you to see the theoretical knowledge contained in the specification in action and to gain greater understanding of the knowledge in a practical context.

Exam Board Information: EDUQUAS WJEC

1: **Principles of Electronics** (40%)**:** written examination, 2 hours 45 minutes

2: **Application of Electronics** (40%): written examination, 2 hours 45 minutes

3: **Extended system design and realisation tasks** (20%): coursework

PATHWAYS:

UNIVERSITY COURSES	APPRENTICESHIPS	WORLD OF WORK
Electrical and Electronic Engineering, Applied Physics, Aeronautical Engineering, IT, Instrumentation and Control. Computer Science and Software Engineering, Industrial Studies, Mechatronic Engineering. Biomedical Electronic Engineering	Thales, Network Rail, Elekta, Apprentice Aircraft engineers. RAF, Navy or Army Apprenticeships Rolls Royce Engineering, Airbus, Babcock Engineering, BAE Systems, Dyson. Drager, Medtronic	Wider engineering areas, such as process control, systems design, manufacturing, robotics/automation, aviation, defence and medical services. Ventilators and medical engineers

For further information or to ask questions, please contact:

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