

## **DESIGN & TECHNOLOGY: ELECTRONIC PRODUCTS GCSE**

Students will be encouraged to design and make high-quality electronic products with creativity, originality and flair using a wide range of electronic products with appropriate materials to package the electronic circuit. The packaging of the electronic circuit can include individually designed cases made from a range of resistant materials - textiles, card or recycled materials.

The process of designing will involve the study of Materials and Electronic Components, Evaluation Techniques, ICT (Computer Aided Design and Manufacture) and Manufacture Processes.

There are two units

### **Unit 1: Written Paper**

2 hours – 120 marks – 40%

Candidates answer all questions in two sections.

Pre-Release material is issued before the exam.

### **Unit 2: Design and Making Practice**

Approximately 45 hours – 90 marks – 60%

This will consist of a single design-and-make activity selected from a range of board-set tasks.

Students will need to manage their projects effectively; they will need to respond to feedback to evaluate and improve their design.

The course provides an excellent route into GCE Systems and Control Technology or Electronics.

**Exam Board AQA 4540**

**Enquiries to Mr Crabtree**

dcrabtree@bristolcathedral.org.uk