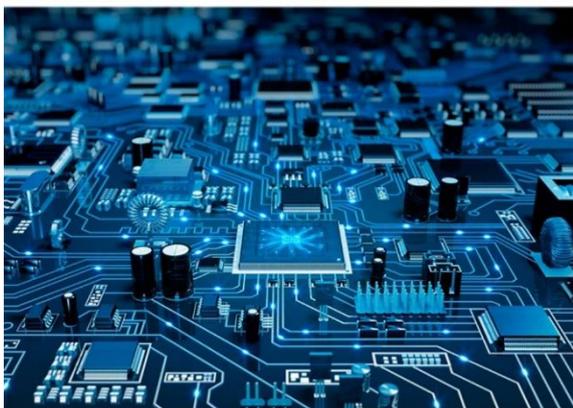


GCSE Design & Technology: Electronics/Systems Specialism

Exam Board: Edexcel

Aim:



This course is aimed at students with a strong interest in electronic products and gives them an insight into our modern technological society as well as allowing them to develop skills and knowledge that are very attractive to future employers. This course should provide an opportunity for pupils to develop and encourage imagination, innovation and flair. They will be encouraged to combine designing and modelling skills to produce outcomes which will be rigorously tested. The promotion of graphics techniques and ICT applications (including CAD) will be encouraged. On successful completion of the course students could move to A-Level or other L3 courses in either Electronics or Engineering.

Assessment and Content:

Design Folder (50% - internally assessed)
Written Examination (50% - externally assessed)

Students will undertake a controlled assessment task which is a substantial 'design and make' project. This will focus on four main areas: designing; making; analysing and evaluating. Students will produce a working electronic product alongside a portfolio of evidence and will be encouraged to use a wide and varied range of materials.

Students will also need to explore the following activities in preparation for their controlled assessment and also the written exam at the end of Year 11:

- Explore the work of professional designers and styles and investigate their influences on today's world.
- Designing within a professional context, working within teams and as individuals to solve real problems.
- Work on design briefs bringing together designing and making to promote the development of knowledge and understanding.
- Discover and develop innovation.
- Design and make quality products with a professional finish.
- Understand the application of maths and science in a real setting.

Due to the necessary application of maths and science within the context of this course, students will need to be predicted a GCSE Grade 5 or above in both Maths and Science.

For further information, contact Mr I Craddock

GCSE Design & Technology: Product Design Specialism

Exam Board: Edexcel

Aim:



This course is aimed at students with a strong interest in product design and gives them an insight into our modern technological society as well as allowing them to develop skills and knowledge that are very attractive to future employers. This course should provide an opportunity for pupils to develop and encourage imagination, innovation and flair. They will be encouraged to combine designing and modelling skills to produce outcomes which will be rigorously tested. The promotion of graphics techniques and ICT applications (including CAD) will be encouraged. On successful completion of the course students could move on to 'A' Level Product Design.

Assessment and Content:

Design Folder (50% - internally assessed)
Written Examination (50% - externally assessed)

Students will undertake a controlled assessment task which is a substantial 'design and make' project. This will focus on four main areas: designing; making; analysing and evaluating. Students will produce a working product alongside a portfolio of evidence and will be encouraged to use a wide and varied range of materials.

Students will also need to explore the following activities in preparation for their controlled assessment and also the written exam at the end of Year 11:

- Explore the work of professional designers and styles and investigate their influences on today's world
- Designing within a professional context, working within teams and as individuals to solve real problems
- Work on design briefs bringing together designing and making to promote the development of knowledge and understanding
- Discover and develop innovation
- Design and make quality products with a professional finish
- Understand the application of maths and science in a real setting.

Due to the necessary application of maths and science within the context of this course, students will need to be predicted a GCSE Grade 5 or above in both Maths and Science.

For further information, contact Miss R Topps

Level 1/2 Technical Award in Graphic Design

Exam Board: NCFE (Level 1/2 Technical Award)

Aims:



This course is aimed at students who like to be motivated and challenged by learning through a hands-on experience. The Award in Graphic Design is designed to provide pupils with skills, knowledge and understanding of graphic design as a form of visual communication.

Assessment:

Students will be awarded a L1 or L2 Pass, Merit or Distinction. The course is assessed through four units. There is no written exam. To be awarded the NCFE Level 1 or Level 2 Technical Award in Graphic Design, pupils are required to successfully complete four mandatory units for each qualification. Pupils must also achieve a minimum of a 'Pass' in the external assessment.

Level 1 and Level 2

Unit 1 – Introduction to graphic design	Internally assessed and externally assessed
Unit 2 – Graphic design practice	Internally assessed and externally assessed
Unit 3 – Responding to a graphic design brief	Internally assessed and externally assessed
Unit 4 – Graphic design portfolio	Internally assessed

Course Content:

Pupils will:

- Identify and experiment with graphic design components
- Learn about graphic designers, their work and working in the industry
- Work to graphic design briefs, refining and selecting ideas
- Form a graphic design portfolio and explore creative direction.

For further information, contact Mrs S Jones or Mrs L Bird

Level 1/2 Technical Award in Art and Design: Textiles

Exam Board: BTEC (Level 1/2 Technical Award)

Aims:

This course is aimed at learners who want to study creative textiles in a hands-on, practical way. It will help them to develop the knowledge, skills and experience that could open up a pathway to a career in the industry.

Assessment:

Students will be awarded a L1 Pass or Merit or L2 Pass, Merit or Distinction.

Unit 1: Generating Ideas in Art and Design (Textiles)

Unit 2: Develop Practical Skills in Art and Design (Textiles)

Unit 3: Responding to a Client Brief – externally assessed synoptic task

There is no written exam.



Course content:

Unit 01: Generating Ideas in Art and Design (Textiles)

This unit provides students with the opportunity to research and investigate the work of existing designers and practitioners in their chosen discipline. Students will then develop their own design work using this research as a starting point. They will learn to effectively present their ideas in 2D form.

Unit 02: Develop Practical Skills in Art and Design (Textiles)

This unit allows students to experiment with a wide range of media and materials in order to develop their practical skills. Students will be encouraged to try new and unfamiliar techniques to ensure they challenge their creative abilities. They will undertake a series of practical projects to allow students to develop a wide range of skills.

Unit 3: Responding to a Client Brief

The brief will be set by the exam board and students will need to work on developing a response to this through a project-based portfolio. Artists and designers respond to client briefs to produce outcomes. They continually think about the client's needs and try alternative approaches during development. Once they have developed and created the response, they present it to the client. In this component, you will interpret a client brief that is asking you to produce specific art or design work for an identified audience. Students will use their skills to understand the constraints and the requirements of the brief. They will use planning and organisation skills to ensure that the work can progress and develop in a structured way. They will ensure that the work meets the requirements of the brief by continually reviewing the work in relation to client needs. Finally, they will present the work in an appropriate format for the client, in order to communicate the development and the final response.

For further information, contact Mrs K Howell or Mrs C Emms