

A Level Product Design

Department Lead Mr. R Parker

Department Information

In order to correspond with industry working practices, students will be required to gain knowledge and understanding of CAD and theory at A level, students will also complete a design and making project of their designed prototype and also sit two externally assessed examinations. Here at Countesthorpe Leysland we have one of the best workshops of any college to help you achieve this.

Why study this course?

Students will investigate historical, social, cultural, environmental and economic influences on design and technology, whilst enjoying opportunities to put their learning in to practice by producing prototypes of their choice. Students will gain a real understanding of what it means to be a designer, alongside the knowledge and skills sought by higher education and employers.

Course outline

A-level Product Design requires students to engage in both practical and theoretical study. This specification requires students to cover design and technology skills and knowledge as set out below.

Exam - Technical principles worth 30% of A level (2.5 hours)

Exam - Designing and making principles. worth 20% of A level (1.5 hours)

NEA - substantial design and make project worth 50% of their A-level

Year 12

Students enhance the skills already gained from GCSE. This is in the form of a design and make brief

- Drawing and cad enhancement project using sketch up and 3d printer
- Practice NEA project to a set design brief
- Theoretical exam preparation for mock exams in June of year 12
- Start NEA - substantial design and make project worth 50% of their A-level

Year 13

NEA - substantial design and make project worth 50% of their A-level. Investigation into product design theory, in preparation for A level exams.

- Exam - Technical principles worth 30% of A level (2.5 hours)
- Exam - Designing and making principles. worth 20% of A level (1.5 hours)

Where does this course lead?

This qualification can lead to a place at university in an Art and Design related course. We have had many of students go on to successfully gain places on courses such as product design, graphic design and architecture courses. The art and design sector is vast, so there are many opportunities. It is essential to build up a good portfolio of evidence. The presentation of the course folders at interview days can lead to offers from universities in some cases at the interview stage.