

Subject: Edexcel Product Design

Subject Leader: Mr A Griffiths

Contact email address: a.griffiths@cns-school.org

This course covers the following key topics: Product design in its simplest form is problem solving. The course is split into two main sections

Component 1: Principles of Design & Technology (written exam)

You will learn about materials, processes and techniques to shape, form, join and manufacture relevant products and components. You will also learn CAD (Computer Aided Design), digital technologies, the effects of technological developments, and the factors which influence the development of a product and design history.

Component 2: Design & Make project (externally moderated)

You will undertake a substantial 'design, make and evaluate project which requires you to produce a portfolio and a prototype outcome. For the project you will source a real client and solve a design problem for them. Your project could focus on architecture, furniture design or graphic design. There is substantial freedom with the project so you can tailor it to your interests.

We love teaching this course because:

It teaches students to become ethical creative problem solvers. It prepares them for the World after school by considering how we make products and the affect this has on our environment.

Our students say: "I want to be an engineer and it allows me practically apply theory to real world."

"I enjoy the blend of practical and coursework, you are allowed to have freedom and work on your own, I think it teaches me lots of other skills I will use in life."

I chose DT as I want to be an architect, Product design applies the parts of Art I like but with real purpose "



What future pathways are open to me if I study Product Design?

University courses such as Product Design, Architecture, Graphic design, Engineering, Furniture design.

High Level apprenticeships with companies such as Dyson, Lotus and BT or college courses.

CNS 6th Form



An Ormiston Academy

Recommended Textbooks:

My Revision notes – Pearson Edexcel A Level Design & Technology

Drawing for product design – Kevin Henry

If you love Product Design, we really recommend you read:

1) The Design of Everyday things – Don Norman

2) The Laws of Simplicity – Jon Maeda

3) Cradle to Cradle: Remaking the way we make things – Michael Braungart