

**Subject:** Design and Technology

**Exam Board:** OCR

**Course Number:** H406

**Course Overview:** Design and Technology A Level is an inspiring, rigorous and often practical subject. The OCR exam board have worked closely with Universities and industry to ensure that the direction of the qualification supports students at university, college and in the work place. There has been a focus on ensuring the content reflects authentic practice, giving insight into the way that creative, engineering and/or manufacturing industries function.

**How is this A Level Assessed?:**

Unit Code	Unit Title	Guided Learning Hours	Term when will this be taught (2 yr course)	Assessment Details	Assessment Weighting of Total A Level
01	Principles of D&T	N/A	13	Formal Exam (1hr and 30mins)	26.7%
02	Unseen Challenge	N/A	13	Formal Exam ( 2hrs and 30mins)	23.3%
03 / 04	Iterative Design Project	45	12	Non-exam Assessment	50%

**Entry criteria required to enrol onto this course**

Grade B or above at GCSE in the specific Product Design Subject

Grade 5 for GCSE English

Grade 4 for GCSE Maths

**What can I do with this qualification/Post-18 progression opportunities/ university subjects which this course supports:**

All fields of Engineering including: Civil, Building, Materials, Bio-Materials, Automotive, Aeronautical, Aerospace, Electronic, Computer Systems, Mechanical, Manufacturing, Management, Design Engineering

All fields of Design including: Product, 3D, Interior, Fashion, Textiles, Footwear, Communication, Set Design, Environmental.

Also courses such as Sports Technology, Architecture, Digital Technologies, Robotics

There are a growing range of apprenticeships available particularly in Engineering fields.

**Other A Level Subjects which support academic attainment/ complement learning**

Mathematics, Physics, Psychology, Sociology, Economics, Biology.

**Essential Textbook incl ISBN**

**OCR Design and Technology for AS/A Level Student eTextbook.** Chris Walker, John Grundy, Sharon McCarthy, Jacki Piroddi.

**ISBN:** 9781510401563

**Published:** 22/02/2018

**Recommended supplementary resources- websites, blogs, journals:**

<http://www.technologystudent.com/>

<http://www.ocr.org.uk>

<https://www.technologysupplies.co.uk/news/five-great-ways-to-empower-students-creativity-in-the-design-process>

**Course specific equipment- include place to purchase and typical cost or estimate:**

Students can bring their own laptops to work with. Most materials will be supplied for designing, modelling and making.

**Out of lesson learning including trips and visits:**

Students will be encouraged to visit the Design Museum and other exhibitions and design lectures as relevant.

**Lead Teacher to contact:**

Ms Attfield aattfield.310@parkhighstanmore.org.uk

**Quote from current student- include their name:**

D&T allows me to understand the needs of consumers, to solve problems and get my designs out there. I now understand products and their development in a whole new light. Premal Year 13.