The White Hills Park Federation Trust
A Culture of Excellence

Curriculum Information Bramcote College

Year Group: 9

Subject: Technology – Engineering (OCR Cambridge Nationals in Engineering Design)

Objectives/purpose	Pupils are to be able to write a comprehensive design brief and need to understand the principles behind what makes up a design specification. Pupils are to be able to use anthropometric data in designing products through the use of ergonomic in their design work. To be able to dismantle a product and then should show skill in reassembly through a different type of production method. To be able to identify a range of different tool and equipment and to be able to state safety considerations when in use. To be able to use personal opinion to decide on what parts of a product can be recycled or can be placed into landfill. Pupils need to state reasons for their choice.
Autumn Term	Introduction to Engineering Design brief and Specification Anthropometrics' and ergonomics' Types of production and disassembly Tools and equipment and production costings Research methods and end of product life considerations Research and analysis project Pupils will undertake various practical projects throughout the year to develop their practical skills.
Spring Term	
Summer Term	
How is progress measured?	Work is assessed in accordance with the GCSE mark scheme for this course. Pupils will also be conduction various mock exam sample questions that will be teacher and peer assessed.
How is the subject externally examined? (KS4 and KS5)	
Extending Learning at home	Homework is produced on a weekly basis. All homework contributes to this until of learning. Homework times consist of: Types of production, Anthropometrics', Legislation and safety, Inspirational and iconic products, New and emerging technologies.
Support Available	Support is available by emailing class teacher outside of lessons.
Useful web addresses and book resources/revision guides	www.technologystudent.com www.bbcbitsize.com www.ocr.org.uk/qualifications/cambridge-nationals/engineering-design-level-1-2-award-certificate-j831-j841/

Date reviewed: