

Curriculum Information Bramcote College

Year Group: 8

Subject: Technology – Product Design

Objectives/purpose	<p>Pupils are to identify health and safety issues within the workshop.</p> <p>Pupils are to develop knowledge of using various hand tools and machinery within their project.</p> <p>Pupils are to understand the different principles behind some of the machines, from changing the drill bit, to using hole cutters and flat bits on the pillar drill. Pupils are also to use the fret saw and need to cut out an internal hole in a piece of wood. This is to be replicated using a coping saw.</p>
Autumn Term	<p>Students rotate around covering three strands of Technology within the year. Product design will be taught either September to February or February to July.</p> <p>Higher level skilled use of Fret and coping saw. Filing and finishing. Electronic circuits, soldering, resistors, capacitors, transistors. Veneers, and layers. Varnish and polish.</p> <p>Packaging and branding regulations / advertising and promotion</p>
Spring Term	
Summer Term	
How is progress measured?	<p>Progress is measured from Technology EDSM making levels. Pupils take a photo of practical work and identify different skills, techniques that they have learnt and pupils evaluate what went well or not so well at the end of the lesson showing how they can improve.</p> <p>Pupils are to organise their time by filling in a quality control and assessment sheet during each lesson.</p>
How is the subject externally examined? (KS4 and KS5)	
Extending Learning at home	Homework consists of three types of packaging design ideas, make a model of packaging, design and make instruction leaflet, to design and promotional material and a poster to show how to solder safely.
Support Available	There is Technician support available in lessons as required.
Useful web addresses and book resources/revision guides	<p>www.technologystudent.com</p> <p>www.bbcbitessize.com</p>

Date reviewed: