Subject Design & Technology

		All student experience the modules in a rotation with an emphasis on option choices. KS4 courses in D&T start at Easter in yr 9.			
		Module 1	Module 2	Module 3	Module 4
Year 9	Knowledge	A project will encompass use of the laser, CAD software, 3D printing. Working with Acrylic, plywood and processing photographs for Lasering a Living Hinge product. TinkerCAD software is used to make a product in PLA 3D printing	Products made will include previous knowledge and skills to enhance work that allows for progression to the Hospitality and catering KS4 course. Products made will include Pizza, curry, sweet and sour & Swiss rolls. World cuisine is developed even more in this module.	This product introduces a variety of workshop processes with an emphasis on graphics/ papers & boards with Designing, making and testing at the heart of the product.	This design and make exercise takes the students through working with a variety of fabrics and associated embellishments using the sewing machines CNC sewing machines and the use of sublimation printing to manufacture an Apron.
	Skills	Ability to work with Techsoft V3 to make the product via laser cutting using advanced skills and processes. 3D printing is introduced via TinkerCAD software and products are made from student designs	Both hob and Oven are used to explore, extend practical activities whilst students learn about safe food handling/storage and precautions to take to remain hygienic.	Greater knowledge about the everyday use of graphics and design around us to make a product that incorporates a variety of graphic skills.	Various skills using more advanced techniques are introduced to enable a successful product to be made. Sublimation printing is explored alongside more traditional tie dying processes to enhance student designing skills.
	Assessment	Occasional skills tests throughout the year or module	Occasional skills tests throughout the year or module	Occasional skills tests throughout the year or module	Occasional skills tests throughout the year or module