

		Year 9	P – Design and Techno	logy				
Curriculum intent	The aim of the curriculum is that through the delivery of the rubrics and a project-based approach learners are prepared for work and							
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Knowledge	<u>Bottle Balance</u>	Bottle Balance	<u>Bottle Balance</u>	Bottle Balance	<u>Bottle Balance</u>	Bottle Balance		
	Health and Safety training forms the basis of the first lesson. The project offers the opportunity to explore more formal drawing styles, with simple orthographic drawing used to convey the concept of scale and accuracy. The use of modelling using blue foam allows learners to begin gaining an appreciation for material thickness and how complexity impacts on their practical ability.	Following modelling the practical outcome is intended to be simple in nature, whilst allowing learners to gain an understanding of how basic hand tools are used.	Health and Safety training forms the basis of the first lesson. The project offers the opportunity to explore more formal drawing styles, with simple orthographic drawing used to convey the concept of scale and accuracy. The use of modelling using blue foam allows learners to begin gaining an appreciation for material thickness and how complexity impacts on their practical ability.	Following modelling the practical outcome is intended to be simple in nature, whilst allowing learners to gain an understanding of how basic hand tools are used.	Health and Safety training forms the basis of the first lesson. The project offers the opportunity to explore more formal drawing styles, with simple orthographic drawing used to convey the concept of scale and accuracy. The use of modelling using blue foam allows learners to begin gaining an appreciation for material thickness	Following modelling the practical outcome is intended to be simple in nature, whilst allowing learners to gain an understanding of how basic hand tools are used.		



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SKIIIS .	 Graphics, covering sketching in 2D and 3D Technical drawing; mathematical terms and measurement Isometric drawing of simple components Modelling in foam to produce scale prototypes Graphics based covering sketching in 2D and 3D Quality outcomes produced using workshop skill 	 Graphics, covering sketching in 2D and 3D Technical drawing; mathematical terms and measurement Isometric drawing of simple components Modelling in foam to produce scale prototypes Graphics based covering sketching in 2D and 3D Quality outcomes produced using workshop skill 	 Graphics, covering sketching in 2D and 3D Technical drawing; mathematical terms and measurement Isometric drawing of simple components Modelling in foam to produce scale prototypes Graphics based covering sketching in 2D and 3D Quality outcomes produced using workshop skill 	 Graphics, cove ring sketching in 2D and 3D Technical drawing; mathematical terms and measurement Isometric drawing of simple components Modelling in foam to produce scale prototypes Graphics based covering sketching in 2D and 3D Quality outcomes produced using workshop skill 	Graphics, covering sketching in 2D and 3D Technical drawing; mathematical terms and measurement Isometric drawing of simple components Modelling in foam to produce scale prototypes Graphics based covering sketching in 2D and 3D Quality outcomes produced using workshop skill	 Graphics, covering sketching in 2D and 3D Technical drawing; mathematical terms and measurement Isometric drawing of simple components Modelling in foam to produce scale prototypes Graphics based covering sketching in 2D and 3D Quality outcomes produced using workshop skill



Assessments	Progress Test 1, including extended written answer. Orthographic and Isometric drawings	Practical outcome - model and working prototype.	Progress Test 1, including extended written answer. Orthographic and Isometric drawings	Practical outcome - model and working prototype.	Progress Test 1, including extended written answer. Orthographic and Isometric drawings	Practical outcome - model and working prototype.
Enrichment	https://www.bbc.co.u k/bitesize/subjects/zfr9 wmn	https://www.bbc.co.uk/bit esize/subjects/zfr9wmn	https://learning.sc iencemuseumgrou p.org.uk/resource s/?subject=design -and-technology	https://www.bbc.c o.uk/teach/gcse- national-5-design- and- technology/z7vkt3 9	https://www.bbc. co.uk/teach/gcse -national-5- design-and- technology/z7vkt 39	https://www.bbc.c o.uk/bitesize/guid es/znmnb9q/revisi on/1