

KS3 Design and Technology Assessment Grid Year 9

	Design	Make	Evaluate	Technical Knowledge	Communication
KS3	Generating, developing, modelling and communicating ideas.	Planning, sequencing, modelling and prototyping.	Evaluate own and others ideas and products.	Demonstrate in depth knowledge to make products work.	Presenting and sharing ideas.
Emerging	You can produce good ideas that reflects the needs of the identified user.	You can model your ideas in card to be developed into a final idea. You can use basic hand tools to make a simple product.	You have evaluated your design at the end of the process and offered a suggestion as to how to improve the final design.	You can describe how to use various hand tools and basic CAD to design and make a product.	You have used 2D drawings and have provided a general description of your products.
Developing	You understand the needs of the user and can design a range of suitable solutions to the identified problem.	You can use a variety of materials to model and produce a prototype before producing final product.	You can evaluate your ideas to help improve your next design idea and the final product.	You can explain how to use various hand tools and basic CAD to design and make a product.	You have used a range of drawing techniques and have annotated most of your designs.
Secured	The needs of the user are fully considered and a range of fully annotated, quality designs are drawn and modelled in CAD.	A detailed working prototype has been developed using a variety of materials including 2D design before realising your final product.	You use evaluations regularly to improve your designs and then use these to improve your final product.	You can justify and describe how to use various hand tools and CAD CAM processes to design and make a product.	You have used a range of drawing techniques and CAD accurately; each stage of the design process is described clearly using technical terminology.
Exceeding	A range of quality user centred solutions have been designed, evaluated and modelled using a wide range of drawing styles and CAD	A fully functioning scale model produced, along with 3D CAD file before producing accurate; professional final product suitable for the end user.	You use continuous evaluations to develop several iterations of your designs, each one improving from the previous evaluation.	You can justify and evaluate in detail the use of various hand tools and CAD CAM processes to design and make a product.	You accurately communicated all designs by using extensive drawings and CAD work; all designs include relevant technical terminology.

	TERM 1	
	DATE	MARK
Design		
Make		
Evaluate		
Technical		
Communication		
	END OF TERM	

	TERM 2	
	DATE	MARK
	END OF TERM	

	TERM 3	
	DATE	MARK
	END OF YEAR	

