

KS3 Design and Technology Assessment Grid Year 7

	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 use basic hand tools to make a simple product.	You have used evaluations to suggest 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 brief and can design a range of suitable solutions to the identified problem.	You can use a different materials and tools to create a working 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	You have designed a range of fully annotated, quality designs and they are drawn and modelled in CAD.	You can make a prototype of your idea before making a detailed 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 ideas have been designed, evaluated and modelled using a range of drawing styles and CAD.	You can make a scale model with 3D CAD included and then producing a professional final product.	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	