

Key Stage 3 - Year 9		Curriculum Checkpoints: What do students know and what can they do?			
Design Technology	Establishing	Securing	Flourishing	Excelling	
Design	Rendering techniques to make their design look realistic, some drawn accurately, using a range of drawing techniques	Rendering techniques to make their design look realistic, most drawn accurately using a range of drawing techniques	Accurately use rendering techniques to make their design realistic, drawn accurately using appropriate drawing techniques	Accurately use rendering techniques to make their design realistic, all drawn accurately using a variety of drawing techniques	
	Annotate ideas using technical vocabulary and can make links to the brief and specifications, producing some quality designs	Annotate ideas using technical vocabulary written well, and can make links to the brief and specifications, producing good quality designs	Annotate ideas using technical vocabulary written well, and can make links to the brief and specifications, producing a range of good quality designs	Annotate ideas in detail using technical vocabulary and can make links to the brief and specifications, producing a full range of designs	
	Use a good level of skill/techniques to communicate ideas showing some creative designs.	Use a good level of skill/techniques to clearly communicate ideas showing creative designs.	Use a high level of skill/techniques to clearly communicate ideas showing creative designs.	Use a high level of skills/techniques with confidence to clearly communicate ideas showing innovative designs	
Make	Use a range of tools and equipment to mark and cut out complex shapes with some curves and angles	Use a range of tools and equipment to mark and cut out challenging shapes with curves or angles	Use a range of tools and equipment to mark and cut out challenging shapes with curves or angles with some independence.	Independently choose and use a range of tools and equipment to mark and cut out highly challenging shapes with curves and angles	
	Select appropriate tools and equipment with some accuracy to make a good product with some independence.	Select appropriate tools and equipment and use with accuracy to make a quality product independently	Select appropriate tools and equipment with some precision to make a good quality product independently.	Select appropriate tools and equipment and use with precision to make a high quality product independently	
	Demonstrate material joining and finishing techniques to a product with good accuracy	Demonstrate material joining and finishing techniques to a product with high accuracy	Demonstrate material joining and finishing techniques to a product with some precision.	Demonstrate material joining and finishing techniques to a product with high precision.	
	Produce a functioning and skilfully made practical outcome with accuracy and good quality of finish	Produce a complete, functioning practical outcome with accuracy and high quality of finished	Produce a functioning and skilfully made practical outcome with accuracy and good quality of finish	Produce a complete, functioning practical outcome with accuracy and high quality of finished	
	Choose and use tools/equipment with some independence, dexterity and knowledge of correct sequencing during practical work.	Choose and use tools/equipment with independence and a high degree of dexterity and mastery throughout practical work.	Choose and use tools/equipment with some independence, dexterity and knowledge of correct sequencing during practical work.	Choose and use tools/equipment with independence and a high degree of dexterity and mastery throughout practical work.	
Evaluate	Test their product and suggest how it could be further improved using a range of other people's opinions	Test their product and suggest in some detail how it could be further improved using a range of other people's opinions	Test their product and suggest in detail how it could be further improved using a range of other people's opinions	Use more than one test to identify in detail improvements that could be made taking into account a range of users opinions.	
	Students can analyse the suitability of different materials used in their product and state an alternative.	Students can analyse the suitability of different materials used in their product and identify an alternative with reason.	Students can analyse the suitability of different materials used in their product and explain an alternative with reason.	Students can analyse the suitability of different materials used in their product and recommend alternatives with reason.	
	Students can evaluate the properties of materials used in their product	Students can analyse the suitability of different materials used in their product.	Students can analyse the suitability of different materials used in their product and explain why they are suitable.	Students can in detail analyse the suitability of different materials used in their product and explain why they are suitable.	
Technical Knowledge	Classify a range of materials and give at least two specific examples of each.	Classify a wide range of materials and give at least three specific examples of each.	Classify a range of materials and give at least two specific examples of each.	Classify a wide range of materials and give at least three specific examples of each.	
	Understand some technical vocabulary and begin to explain the meanings in their written work.	Understand a range of technical vocabulary and explain the meanings in their written work	Understand a wide range of technical vocabulary and use it regularly in their written work	Understand a wide range of technical vocabulary and can use them consistently in their written work.	