Design Technology: CAD

Foundation Stage Scheme of Work

Year	8 Working as a Designer		16 Lessons/8 Weeks		
Stage	Description				
	Design	Presenting Ideas	Evaluate		
Emerging	DESIGNING IN THE STYLE OF Sketches and some words will demonstrate that the student understands the design brief.	Produces a 2D drawing using one incomplete graphic technique. Produces a 3D drawing using one incomplete graphic technique. Sketches demonstrate basic line quality Confidence could be improved and close supervision has been required to support student. USE OF 2D & 3D SOFTWARE TO PRESENT IDEAS Produces a 2D drawing using one incomplete graphic technique. Produces a 3D drawing using one incomplete graphic technique. Sketches demonstrate basic tools of software Confidence could be improved and close supervision has been required to support student.	DESIGNER RESEARCH Some basic information gathered about chosen designer. This may feature words and pictures but no depth of information. PRODUCT ANALYSIS Some evaluation of products which is purely descriptive with no real analysis or suggested improvement.		
Developing	DESIGNING IN THE STYLE OF Students will be able to understand and interpret the design brief and use this to develop design ideas. The designs may have a loose link to their chosen designer and some explanation of their design.	 DRAWING SKILLS TO PRESENT IDEAS Completes a 2D sketch using one complex graphic drawing technique with some inaccuracies. Completes a 3D sketch using one complex graphic drawing technique with some inaccuracies. Sketches demonstrate good line quality. Works largely independently. USE OF 2D & 3D SOFTWARE TO PRESENT IDEAS Completes a 2D sketch using one complex graphic drawing technique with some inaccuracies. Completes a 3D sketch using one complex graphic drawing technique with some inaccuracies. Sketches demonstrate good line quality. Works largely independently. 	DESIGNER RESEARCH Some basic information gathered about chosen designer. There will be some historical information and a few sketches of their products with maybe words. PRODUCT ANALYSIS Some annotation and evaluation products, which is purely descriptive with limited suggestions for improvement.		

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	DESIGNING IN THE STYLE OF	DRAWING SKILLS TO PRESENT IDEAS	DESIGNER RESEARCH
Secure	Students will be able to understand and interpret the	• Completes a 2D sketch using one complex graphic drawing	Some sound information gathered about chosen
	design brief and produce a final design with labels to	technique with good accuracy.	designer. There will be some historical information
	explain their thinking. There will be a link to their	Completes a 3D sketch using one complex graphic drawing	alongside labelled sketches of their products or
	chosen designer.	technique with good accuracy.	designs.
		Sketches demonstrate good line quality.	PRODUCT ANALYSIS
		Works independently with some confidence.	Good annotation and evaluation of products, with
		USE OF 2D & 3D SOFTWARE TO PRESENT IDEAS	some reference to their end use and manufacture.
		Completes a 2D sketch using one complex graphic drawing	
		technique with good accuracy.	
		Completes a 3D sketch using one complex graphic drawing	
		technique with good accuracy.	
		Sketches demonstrate good line quality.	
		Works independently with some confidence.	
	DESIGNING IN THE STYLE OF	DRAWING SKILLS TO PRESENT IDEAS	DESIGNER RESEARCH
	Students will be able to understand and interpret the	Completes a 2D sketch using one complex graphic drawing	A range of detailed information gathered about
	design brief and use their designer research to aid	technique accomplished with accuracy.	chosen designer. There will be detailed historical
	thoughts and developments for a fully annotated and	Completes a 3D sketch using one complex graphic drawing	information alongside annotated sketches and
	rendered final design. There will be a clear link to the	technique accomplished with accuracy.	detailed information about their products and
Excellence	designer with justification for the design.	• Sketches demonstrate excellent line quality. • Works	designs. There will also be personal responses and
		completely independently and with confidence.	comments about the products from the student.
		USE OF 2D & 3D SOFTWARE TO PRESENT IDEAS	PRODUCT ANALYSIS
		Completes a 2D sketch using one complex graphic drawing	Detailed annotation and evaluation of a wide range of
		technique accomplished with accuracy.	existing products. There is reference to the
		• Completes a 3D sketch using one complex graphic drawing	techniques & processes of manufacture and to its
		technique accomplished with accuracy.	performance with suggestions for improvement.
		• Sketches demonstrate excellent line quality. • Works	
		completely independently and with confidence.	