

# Design and Technology **PATHWAYS**

Subject	Skills Involved	Activities Involved	Course Levels	Possible Career Fields
Engineering Science	Numeracy (must be on track for Nat 5 Maths). Recommended for pupils choosing Physics. Problem solving	<b>CLASSROOM ONLY</b>  Calculations Situational Analysis Solution Focused Tasks	National 5 Higher Advanced Higher	Architecture Structural / Civil Engineering Aeronautics Mechanical Engineering Music/Sound Engineering Electronic/Electrical Eng. Drone Design / Robotics
Graphic Communication	Digital Literacy Numeracy Spatial Awareness and visualisation Creativity Problem Solving	<b>CLASSROOM ONLY</b>  Sketching and Rendering Technical Drawing CAD (on Pcs)	National 5 Higher Advanced Higher	Animation Graphic Designer Architecture App Designer CAD Technician Advertising Web Design
Practical Skills	Hand-Eye Co-ordination Numeracy Working to tolerance Technical Drawings	<b>WORKSHOP ONLY</b>  Practice Joints Theory Unit projects	National 5 NPA Furniture Making National 5 Metalwork	Joinery Construction Cabinet Making Film/TV Set Construction Skilled Labour Carpenter Shop Fitting
Creative Design	Creativity Digital Literacy Sketching Imagination Problem Solving Attention to detail	<b>CLASSROOM ONLY</b>  Working to a brief PC skill-based projects Model Making	Level 5 Creative Thinking Level 6 Creative Thinking NPA VisCom	Fashion Design Film/TV Product Design Interior Design Game Design Set Design Animator

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