		Technique	Description/ notes	Diagram	
Design Briefs A Design Brief is the statement of how you will solve the Design Problem It will often include: • Constraints/ limitations		Orthographic Projection/ Working Drawings	 Includes "Front", "Plan" and "End" 2D Views, and often an Isometric 3D View Standardised method for scale, dimensions and line types Great for manufacturing 	Top	
 What the product is Materials/processes Any key information you know 		Isometric	 Common 3D sketching method Can be drawn free-hand or using isometric paper and ruler Angles are at 30 degrees Great for seeing most of the products 		
Design Specifications A Design Specification is a list of requirements your product has to meet in order to be successful It is also useful for evaluation. If your product hasn't met the Spec then it gives you a starting point		1-Point Perspective	 A 3D drawing method Often used by interior designers and architects Gives drawings depth Only uses 1 vanishing point 		
Aesthetics	What the product looks like? Style? Colour Scheme? Design Movement?	2-Point Perspective	 Used for 3D designs Exaggerates the 3D effect Objects can be drawn above of below the horizon line but must go to the 2 vanishing points 	Two Paint Perspective	
Customer Cost Environment	Who would buy it? (Age, gender, socio-economic, personality) How does the design appeal to them? How much will it cost? (min-max) Why? Where will it be used? Why? How will you make it suitable?	Annotated Drawings/ Free and Sketches	 Quick and easy way of getting ideas down Range of ideas can be seen Annotation helps explain designs further 		
Safety Size	How is it safe? How will it be checked? Why must it be safe? What is the maximum or minimum size? Why?	Exploded View	 Helps see a final design of a product and all it's parts Can see where all the parts fit Great for manufacturers 		
Function	What does the product do? What features make it do that function well? How is it unique from similar products?	Modelling and Development			
Materials Manufacture	What is it made from? Why? How might it be made? Why? What scale of production? Why?	Modelling and development are key to testing and improving products This can be done physically using materials like; card, foam, clay, man-made boards or virtually in CAD Modelling helps the designer get feedback from the customer, check aesthetics, function,			
			sizes and even materials and production methods and change them if needed		