





Year 8 DESIGN TECHNOLOGY

Key Learning		Pre-Exposure Tasks	Linked Fiction
Autumn 1 Interior Design Room Project Learn isometric drawing methods and create forms such as furniture, doors, stairs and accessories. Explore using a compass and circle guides to create round, curved or cylindrical forms. Learn about shading and rendering to suggest materials and transparency. Learn to work to scale and proportion with accuracy and to create realism.	Autumn 2	What is CAD? - Benefits & Applications What does C.A.D stand for? Identify five advantages of using CAD. Name three products in the clip designed by CAD and list three professional bodies that would use CAD to design with. Learn how to use Tinkercad Watch the tutorials from 'Start Learning 3D'. Practise drawing items of furniture like tables, chairs and lamps.	 The Everything Machine Ally Kennen
Spring 1 Room Design: Isometric and One Point Perspective Revisit how to create geometric and curved forms and render them to look like various materials. Assemble scaled furniture within the isometric room and assemble a dream room visual. Develop in 'tinkercad' to create a digital visual.		Investigate 'Bauhaus' design principles. How would you describe them? What do you like/ dislike about them? https://www.focuselearning.co.uk/programmes/?programme=designers&page=marcel-breuer Research Marcel Breuer. Name a piece of design he has created. Explain why he is called a 'modernist' designer.	
Spring 2 Drawing Tool Learn to create a drawing tool with a ruler and other functions, created out of acrylic using the CAM laser cutter and Techsoft 2D CAD programme.	LEGO (Injection moulded plastic) List 5 advantages of using plastic as a material for a product.	 The Stars Beneath Our Feet David Moore	
Summer 1 Movement and Focus: Memphis Design Research forming and deforming materials. Research your client (e.g. a charity, school, community group, club...) Create initial ideas and develop.	The origin of the '80s aesthetic Watch the video on 'Memphis Design' and note 5 distinct features that are common amongst all the 'Memphis Design' work. List 3 key colours used again and again (not black and white) and name 1 'Memphis Designer'.		 The Stars Beneath Our Feet David Moore
Summer 2 Trophy and Celebration Project Complete the manufacture of a trophy or sculpture to celebrate an event such as a sporting, musical, charity or school award. Find inspiration in the 'Memphis' movement and model using corrugated cardboard. Manufacture with offcuts and other 'found and recycled' materials using a variety of construction techniques. Complete a manufacturing diary to record tools, skills and next steps.	Minimising waste - Making - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize Complete the revision activities and add notes in your portfolio to evidence how you have minimised waste in your project.	 The Stars Beneath Our Feet David Moore	