

Compass School Southwark KS3 Plan – Design Technology

	Year 7	Year 8	Year 9
Term 1	<p style="text-align: center;">Intro to DT-Graphics</p> <p>Students will be introduced to DT and the different subcategories. Students will learn about the basics of graphics cementing the key drawing skills.</p>	<p style="text-align: center;">Intro to DT-Graphics</p> <p>Students will be introduced to DT and the different subcategories. Students will learn about the basics of graphics cementing the key drawing skills.</p>	<p style="text-align: center;">Intro to DT-Graphics/CAD/CAM</p> <p>Students will enhance their design skills by either designing a point of sale or a board game. Students will produce fully rendered images and prototypes.</p>
Term 2	<p style="text-align: center;">Electronics</p> <p>Students will learn about basic electronic theory, including key components and types of circuits. Students will complete a mini electronics practical.</p>	<p style="text-align: center;">Electronics</p> <p>Students will learn about basic electronic theory, including key components and types of circuits. Students will complete a mini electronics practical.</p>	<p style="text-align: center;">Graphics/CAD/CAM</p> <p>Students will enhance their design skills by either designing a point of sale or a board game. Students will produce fully rendered images and prototypes.</p>
Term 3	<p style="text-align: center;">Textiles</p> <p>Students will learn the basics of textiles techniques, sewing machine safety and sustainability in textiles.</p>	<p style="text-align: center;">Textiles</p> <p>Students will learn the basics of textiles techniques, sewing machine safety and sustainability in textiles. Students will make a pencil case.</p>	<p style="text-align: center;">Textiles/Food</p> <p>Students will explore fashion design and textiles construction. Students will learn to be hygienic with food and nutrition and make three food dishes.</p>
Term 4	<p style="text-align: center;">Resistant Materials</p> <p>Students will learn about the importance of workshop safety, wood types, wood joints and sustainability. Students will also carry out a practical which involves constructing a storage box.</p>	<p style="text-align: center;">Resistant Materials</p> <p>Students will learn about the importance of workshop safety, wood types, wood joints and sustainability. Students will also carry out a practical which involves constructing a storage box.</p>	<p style="text-align: center;">RM/Electronics Coursework</p> <p>Electronic Lamp project, students will complete a mini controlled assessment. Term 4 will focus on the design and research side with a course work folder being produced.</p>
Term 5	<p style="text-align: center;">Food</p> <p>Students will learn about basic kitchen safety and food hygiene. Students will make 3 dishes: Biscuits, fairy cake and pizza toast.</p>	<p style="text-align: center;">Food</p> <p>Students will learn about basic kitchen safety and food hygiene. Students will make 3 dishes: Biscuits, fairy cake and pizza toast</p>	<p style="text-align: center;">RM/Electronics -Practical</p> <p>Electronic Lamp project, students will complete a mini controlled assessment. Term 5 will focus on the practical side with learning of processes and making the project.</p>
Term 6	<p style="text-align: center;">CAD/CAM</p> <p>Students will learn the basic skills needed to use the CAD software. Students will then begin to work from a brief to design and the laser cut a 2D clock.</p>	<p style="text-align: center;">CAD/CAM</p> <p>Students will learn the basic skills needed to use the CAD software. Students will then begin to work from a brief to design and the laser cut a 2D clock.</p>	<p style="text-align: center;">RM/Electronics-Theory(exam)</p> <p>Electronic Lamp project, students will complete a mini controlled assessment. Term 6 will focus on theory side of the core learning points. The final weeks leading to an exam.</p>