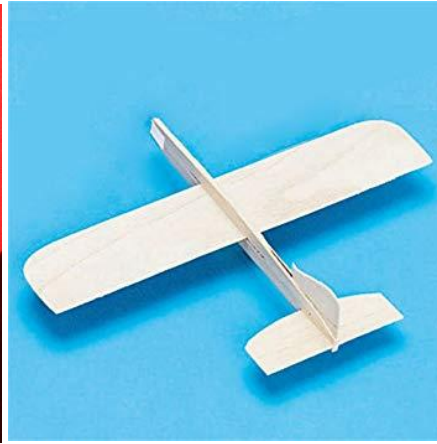


Title Design Technology: Textiles, Wood, Plastics, Paper and Board.			
For more information, please consult: S Cook			
HOD name, job title and email S Cook, Head of Design Technology, scook@gilesacademy.co.uk			
<p>Learning Aims / Learning Objectives:--</p> <p>YEAR 7</p> <ul style="list-style-type: none"> • Pupils will develop their knowledge and understanding of materials and processes; • Pupils will develop practical skills in Textiles: Using a sewing machine, threading a sewing machine, sublimation printing, attaching eyelets, cutting, pinning, tacking and sewing • Pupils will develop practical skills in Plastics: Using a hot glue gun, vacuum forming, cutting, making an electronic circuit, linishing, sanding and finishing • Pupils will develop practical skills in Paper and Board: Using a pencil and ruler to measure and draw accurately, cutting paper and card accurately, • Pupils will develop practical skills in Timber: Using a tenon saw and bench hook, sanding and linishing, using a pillar drill to drill blind holes, dowelling timber together. • Pupils will be able to apply their knowledge to make informed choices about their products. • Pupils will be able to recall and apply the principles of health and safety in all design technology rooms and workshops. • Pupils will develop their drawing skills when designing products they then make. • Pupils will evaluate and test their ideas and products • Pupils will learn to critically assess and evaluate the work of others. <p>Year 8</p> <ul style="list-style-type: none"> • Pupils will deepen their knowledge and understanding of materials and processes; • Pupils will further develop practical skills in Textiles: Using appropriate stitches on the sewing machine, using patchwork, applique and machine embroidery, using Janome customiser CAD/CAM software, using bondaweb, threading up and using an embroidery machine, accurate cutting, measuring and sewing skills • Pupils will develop practical skills in Plastics: Using Tensol cement, linishing and sanding acrylic, cutting vinyl, using a pillar drill, fitting a clock mechanism • Pupils will develop practical skills in Paper and Board: Using a pencil and ruler to measure and draw accurately, cutting paper and card accurately, Using a cool melt glue gun, cutting balsa wood • Pupils will develop practical skills in Timber: • Pupils will further develop food preparation and cooking techniques; • Name the main nutrients, sources and functions; • Demonstrate a wider range of food preparation and cooking techniques; • Adapt and follow recipes using appropriate ingredients and equipment to prepare and cook a range of more complex dishes; • Be given opportunities to demonstrate and apply their knowledge and understanding of all techniques taught. • Be given regular opportunities to consolidate their literacy and numeracy skills by using them purposefully in order to learn. • Pupils will evaluate and test their ideas and products in detail. • Pupils will learn to critically assess and evaluate the work of others in detail. • Apply the principles of health and safety when working in a practical situation. 			
What will I be learning and progressing to each year?			
Year	Key Knowledge	Key Skills	Key Vocabulary

7	<p>Health and safety rules Know how to design products Know how to operate equipment safely Know how to use subject specific software Now how to analyse and evaluate products critically</p>	<p>Numeracy –measurement, temperature Literacy – Key words Subject specific skills in Plastics, Timber, Textiles, Paper and Board</p>	<p>Health and safety terminology Names of tools and equipment Names of materials and components Specific Design Technology terminology</p>
	<p>Link to knowledge organiser here S: Design Technology: Knowledge organisers</p>	<p>Link to homework here Giles app</p>	<p>Link to full Y7 vocabulary here www.technologystudent.com S:Design Technology: KS3 DT Study Guide S:Design Technology: EAL Textiles terminology S:Design Technology: SEN Textiles terminology</p>
	<p>The content of your curriculum in this academic year for your subject Practical products: Bags, Wooden robots, Jitterbugs, Rockets</p>		
Year	Key Knowledge	Key Skills	Key Vocabulary
8	<p>Deepen knowledge of Health and Nutrition, Hygiene and Safety. Learn more complex skills e.g. sauce making, using pastry, bread making (use of yeast), Burgers (shaping, use of raw meat), Cooking Rice and Pasta) etc</p>	<p>Numeracy –weigh, measure and divide accurately Literacy – Key words Knife skills. Practical skills and techniques</p>	<p>Healthy, Hygiene, Safety, Name of ingredients used, some science terms e.g. use of yeast. Descriptive words for food products.</p>
	<p>Link to knowledge organiser here S;Design Technology: Knowledge organisers</p>	<p>Link to homework here Giles app</p>	<p>www.technologystudent.com S:Design Technology: KS3 DT Study Guide S:Design Technology: EAL Textiles terminology S:Design Technology: SEN Textiles terminolo</p>
	<p>The content of your curriculum in this academic year for your subject Practical products: - Cushions, Acrylic Clocks, Aeroplanes</p>		
How will my work be assessed? / assessment components / frequency / term			
Y7	<p>All practical products marked (organisation, process, equipment, finished product) Final assessment of completed practical and written work for final grade at end of rotation.</p>		
Y8	<p>All practical and written work marked (organisation, process, equipment, finished product) Final assessment of completed practical and written work for final grade at end of rotation.</p>		
Extra-curriculum activities / Trips / Community cohesion / Events participation			
Race for the Line STEM project with Year 7			
What qualifications and career paths this subject will enable me to access in KS4? KS4 option subjects / Career Paths			
Edexcel GCSE Design Technology (9-1) .in Textiles, Timber, Metals, Polymers, Paper and Board and systems and Control			
How parents or other members of the public can find out more about the curriculum your subject is following			
<p>www.Technologystudent.com www.GCSEPod.com www.Pearsonactivelearn.com https://qualifications.pearson.com/en/qualifications/edexcel-gcses/design-and-technology-2017.html</p>			



YEAR 7



YEAR 8