

DT is taught on a carousel which rotates every term. This is a fortnightly lesson therefore we have approx 6 lessons per rotation.

Subject group	Faculty	D&T
	Subject	Textiles

Year 7	Unit title	Term	Aut 1	Unit	1	Term	Aut 2	Unit	2	Term	Spr 1	Unit	3	Term	Spr 2	Unit	4	Term	Sum 1	Unit	5	Term	Sum 2	Unit	6
		Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage			
		Worry Monster plushies				Worry Monster plushies																			
	Subject Knowledge introduced / revised / developed / used	Introduced: Health and safety in a DT room, analysing a brief, writing a specification, DT specific vocabulary				Introduced: use of tools and equipment threading a needle, tying knots, creating stitches Developed: Different types of stitches, safety when using tools and equipment																			
	skills developed / extended / used	Developed: Designing worry monster, analysis of feasibility of design, evaluating design ideas				Developed: making paper templates, pinning materials, stitching materials together, self evaluation at all stages of the making process.																			
	Opportunities to develop 'respectful attitudes' / Inclusion and Diversity	Peer feedback and evaluation of design ideas; sharing equipment, waiting turn for help, helping others, use of class experts to support teacher and help peers				Sharing equipment, waiting turn for help, helping others, use of class experts to support teacher and help peers, peer evaluation and self reflection																			
	Links to 'Destinations and Employability'	Developing skills for employment - problem solving and evaluating, working in groups, considering and listening to others opinions. Links to specific jobs such as toy makers, product design,				Developing skills for employment - problem solving and evaluating, working in groups, considering and listening to others opinions. Links to specific jobs such as toy makers, product design,																			
	Enrichment Opportunities offered or developed	After school catch up to ensure finished product. Problem solving, working together. Textiles Club once a week to try new techniques.				After school catch up to ensure finished product. Problem solving, working together. Taking finished products home and putting it to use. Textiles Club once a week to try new techniques.																			

Subject group	Faculty	D& T
	Subject	Textiles

Year 8		Term	Aut 1	Unit	1	Term	Aut 2	Unit	2	Term	Spr 1	Unit	3	Term	Spr 2	Unit	4	Term	Sum 1	Unit	5	Term	Sum 2	Unit	6
		Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage			
	Unit title	Pop Art Storage Box				Pop Art Storage Box																			
	Subject Knowledge introduced / developed / revised	Revised: Health and Safety in a DT room/code of conduct, Developed: analysing the brief, writing a specification, responding to a brief				Introduced: The process of heat transfer painting, the use of interfacing/stablising materials, threading the sewing machine, using an iron Revised: working to scale Developed: evaluating each step of the making process																			
	skills developed / extended / used	Introduced: Generating ideas based on a given theme, completing artist research Developed/extended: design skills, analysing feasibility of design against specification.				Introduced: Constructing a 3D usable product, working items inside out before turning to the right side Revised: Pinning fabrics, creating a paper template Developed: using a sewing machine, working with different fabrics Extended: working with precision and accuracy when stitching																			
	Opportunities to develop 'respectful attitudes' / Inclusion and Diversity	Peer evaluation of design ideas; sharing equipment, waiting turn for help, helping others, use of class experts to support teacher and help peers				Sharing equipment, waiting turn for help, helping others, use of class experts to support teacher and help peers, peer evaluation and self reflection																			
	Links to 'Destinations and Employability'	Developing skills for employment - problem solving and evaluating, working in groups, considering and listening to others opinions. Links to specific jobs such as product design, print designers				Developing skills for employment - problem solving and evaluating, working in groups, considering and listening to others opinions. Links to specific jobs such as product design, print designers																			
	Enrichment Opportunities offered or developed	After school catch up to ensure finished product. Problem solving, working together. Textiles Club once a week to try new techniques.				After school catch up to ensure finished product. Problem solving, working together. Taking finished products home and putting it to use. Textiles Club once a week to try new techniques.																			

Subject group	Faculty	D&T
	Subject	Textiles

Year 9		Term	Aut 1	Unit	1	Term	Aut 2	Unit	2	Term	Spr 1	Unit	3	Term	Spr 2	Unit	4	Term	Sum 1	Unit	5	Term	Sum 2	Unit	6
		Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage			
	Unit title	Patchwork Cushion Cover				Patchwork Cushion Cover																			
	Subject Knowledge introduced / revised developed / revised	Introduced: The fast-fashion problem in the UK, Revised: Health and Safety in a DT room/code of conduct. Developed: Analysis of the brief, writing a specification				Introduced: Different decorative techniques, Revised: threading the sewing machine, working to specific measurements Developed: evaluating each step of the making process																			
	skills developed / extended / used	Developed/extended: Creating a detailed specification; design skills, measuring accurately, working together, sharing equipment and tools, self evaluation and peer evaluation				Introduced: Fabric manipulation techniques, Revised: Pinning fabrics, creating a paper template, working items inside out before turning to the right side Developed: using different settings on a sewing machine, working with different fabrics Extended: working with precision and accuracy when stitching multiple pieces together																			
	Opportunities to develop 'respectful attitudes' / Inclusion and Diversity	Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers				Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers																			
	Links to 'Destinations and Employability'	Developing skills for employment - problem solving and evaluating, working in groups, considering and listening to others opinions. Links to specific jobs such as product design,				Developing skills for employment - problem solving and evaluating, working in groups, considering and listening to others opinions. Links to specific jobs such as product design,																			
	Enrichment Opportunities offered or developed	After school catch up to ensure finished product. Problem solving, working together. Textiles Club once a week to try new techniques.				After school catch up to ensure finished product. Problem solving, working together. Taking finished products home and putting it to use. Textiles Club once a week to try new techniques.																			

Subject group	Faculty	D&T
	Subject	GCSE D&T

Year 10		Term	Aut 1	Unit	1	Term	Aut 2	Unit	2	Term	Spr 1	Unit	3	Term	Spr 2	Unit	4	Term	Sum 1	Unit	5	Term	Sum 2	Unit	6
		Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage			
	Unit title	Design and Technology in our world				Design and Technology in our world				Electronic Systems				Material Areas				Material Areas				NEA Focused Area and Exam			
	Subject knowledge introduced / developed / revised	Market pull, technology push, consumer choice, product lifecycle, global production and its effects on culture and people, moral and ethical factors, sustainability (6Rs), Fairtrade, carbon footprint, ecological footprint				Renewable and non renewable energy sources, energy generation and storage, Legislation, consumer rights and protection for consumers when purchasing and using products,				Graphical conventions for communicating concepts, systems approach, principles of a control system, importance of feedback, methods or providing feedback, control devices, analogue and digital sensors				Classification of natural, synthetic, blended and mixed fibres, and woven, non-woven and knitted textiles. Industrial manufacturing techniques and processes, construction processes, importance of accuracy.				Developed: techniques and processes, construction processes, importance of accuracy Introduced: Lay planning, pattern language, wastage, decorative techniques and processes				Dependent on NEA task			
	skills developed / extended / used	Revised: Diagnostics testing for threading and using the sewing machine safely. Introduced: Use of overlocking machines. Developed: Curved seams				Developed: Hand embroidery techniques, tie dye, applique, block printing, chenille distressing				Introduced: Use of conductive thread within textiles to incorporate light and controlled movement of materials.				Making waistcoat or corset Developed: Batik, heat transfer, and silk screen. Free motion machine embroidery and beadwork				Developed: Burn out, stencilling, marbling, CAD/CAM embroidery, sublimation printing				Dependent on NEA task			
	Opportunities to develop 'Respectful attitudes' / Inclusion and Diversity	Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers				Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers				Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers				Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers				Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers				Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers			
	Links to 'Destinations and Employability'	Starters to practical lessons will refer to icould videos re different careers within fashion and textiles industry.				Trip to Warner Harry Potter studios across all DT year 10 and 12 to see DT in action				Starters to practical lessons will refer to icould videos re different careers within fashion and textiles industry.				Trip to Royal Opera House to learn about costume and set design in Purfleet				Starters to practical lessons will refer to icould videos re different careers within fashion and textiles industry.				Starters to practical lessons will refer to icould videos re different careers within fashion and textiles industry.			
	Enrichment Opportunities offered or developed	After school catch up to ensure finished product. Problem solving, working together. Opportunity to help with KS3 textiles club. Possible textiles team to help with school production				Trip to Warner Harry Potter studios across all DT year 10 and 12 to see DT in action				After school catch up to ensure finished product. Problem solving, working together. Opportunity to help with KS3 textiles club.				After school catch up to ensure finished product. Problem solving, working together. Opportunity to help with KS3 textiles club.				After school catch up to ensure finished product. Problem solving, working together. Opportunity to help with KS3 textiles club.				Trip to Warner Textiles museum in Braintree. History of material and information on different fabrics			

Subject group	Faculty	D&T
	Subject	GCSE D&T

Year 11		Term	Aut 1	Unit	1	Term	Aut 2	Unit	2	Term	Spr 1	Unit	3	Term	Spr 2	Unit	4	Term	Sum 1	Unit	5	Term	Sum 2	Unit	6
		Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage			
	Unit title	NEA				NEA				NEA															
	Subject Knowledge introduced / revised developed / used	Generating and developing design Ideas				Generating and developing design ideas				Manufacturing prototype and evaluation				Principle of mechanical devices, analysis of everyday mechanical devices and how they function, input, process, output. Different requirements of mechanical systems. Smart materials. Revision				Revision				Revision and final examination			
	skills developed / extended / used	Depends on task				Depends on task				Depends on task				Calculations involving mechanical systems. Analysis of the function of mechanical products that have pulley systems, gear systems, levers and linkages, rack and pinion, cams											
	Opportunities to develop 'respectful attitudes' / Inclusion and Diversity	Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers				Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers				Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers				Peer evaluation of design ideas; sharing tools, waiting turn for help, helping others, use of class experts to support teacher and help peers											
	Links to 'Destinations and Employability'	Starters to practical lessons will refer to icould videos re different careers within fashion and textiles industry.				Trip to Knitting and stitching show - different artisits and designers display work and talks on industry				Starters to practical lessons will refer to icould videos re different careers within fashion and textiles industry.				Starters to practical lessons will refer to icould videos re different careers within fashion and textiles industry.											
	Enrichment Opportunities offered or developed	After school catch up to ensure finished product. Problem solving, working together. Opportunity to help with KS3 textiles club.				Trip to Knitting and stitching show - different artisits and designers display work and talks on industry				After school catch up to ensure finished product. Problem solving, working together. Opportunity to help with KS3 textiles club.				After school catch up to ensure finished product. Problem solving, working together. Opportunity to help with KS3 textiles club.											

Subject group	Faculty	D&T
	Subject	A Level 3 Dimensional

Year 12		Term	Aut 1	Unit	1	Term	Aut 2	Unit	2	Term	Spr 1	Unit	3	Term	Spr 2	Unit	4	Term	Sum 1	Unit	5	Term	Sum 2	Unit	6
		Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage			
	Unit title	Skyline Project (4 weeks) Cliff edge Project until half term				Cliff Edge Project				Southend Tram Shelter (Mock)				Southend Tram Shelter (Mock)				Southend Tram Shelter (Mock)				Personal Project (student choice)			
	Subject Knowledge introduced / revised developed /	Developed: Taking the form of bottles and translating them into a skyline. Work as class to add all bottle buildings into a skyline.				Introduced: Form and funtion. Design a building to sit within / on a cliff edge. Create a range of possible outcomes using maquettes. Students will use a breeze block to create their own individual cliff by chiseling away and seeing how the block takes shape.				Design a new Tram station for southen for the proposed tram system that's going to be built following southend's new City Status. Location is the seafront.				Design a new Tram station for southen for the proposed tram system that's going to be built following southend's new City Status. Location is the seafront.				Design a new Tram station for southen for the proposed tram system that's going to be built following southend's new City Status. Location is the seafront.				Unknown until selected by students			
	skills developed / extended / used	Recording / observational drawing of bottles. Shape, form, proportion, tone, shade, tint and shadow. CAD using Photoshop to manipulate images				Developed: Technical drawing, isometric, making skills to create a model and create the cliff edge, digital modelling using Sketch Up				Primary research skills developed as they need to visit Southend Seafront and take photos of the site and explore the surroundings. Use this to then design using the ethos of a chosen architect. This will be undertaken as mock following the timeframes that they will experience in year 13, finishing as a practical make for 15hrs at the end of may.				Primary research skills developed as they need to visit Southend Seafront and take photos of the site and explore the surroundings. Use this to then design using the ethos of a chosen architect. This will be undertaken as mock following the timeframes that they will experience in year 13, finishing as a practical make for 15hrs at the end of may.				Primary research skills developed as they need to visit Southend Seafront and take photos of the site and explore the surroundings. Use this to then design using the ethos of a chosen architect. This will be undertaken as mock following the timeframes that they will experience in year 13, finishing as a practical make for 15hrs at the end of may.				Unknown until selected by students			
	Opportunities to develop 'respectful attitudes' / Inclusion and Diversity	This project requires the class to work collaboratively as each student will use each others bottle design inspired buildings to create their own unique skyline. Sharing resources, taking care of the equipment in school.				Sharing of tools and equipment, listening to other students advice, guidance and opinions, collaborative working.				Sharing of tools and equipment, listening to other students advice, guidance and opinions, collaborative working.				Sharing of tools and equipment, listening to other students advice, guidance and opinions, collaborative working.				Sharing of tools and equipment, listening to other students advice, guidance and opinions, collaborative working.				Sharing of tools and equipment, listening to other students advice, guidance and opinions, collaborative working.			
	Links to 'Destinations and Employability'	Harry Potter trip to Warner Brother studio to see DT in action				Architects, townplanning, interior designers, planners, urban design, landscape architects, regeneration				Architects, townplanning, interior designers, planners, urban design, landscape architects, regeneration				Architects, townplanning, interior designers, planners, urban design, landscape architects, regeneration				Architects, townplanning, interior designers, planners, urban design, landscape architects, regeneration				Potential trip to New Designers museum, Coal Drops Yard, London based to inspire - maybe guided by their personal projects.			
	Enrichment Opportunities offered or developed	School trip and after school catch up on offer to help progress projects.				School trip and after school catch up on offer to help progress projects.				After school catch up on offer to help progress projects.				After school catch up on offer to help progress projects.				After school catch up on offer to help progress projects.				After school catch up on offer to help progress projects.			

Subject group	Faculty	DT
	Subject	A level 3 dimensional d

Year 13	Term	Aut 1	Unit	1	Term	Aut 2	Unit	2	Term	Spr 1	Unit	3	Term	Spr 2	Unit	4	Term	Sum 1	Unit	5	Term	Sum 2	Unit	6
	Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage				Curriculum / Syllabus coverage			
	Unit title	Personal Project (student choice)			Personal Project (student choice)			Personal Project (student choice) / Start preparations for real exam 1st feb contextul challenge is released.			Exam prep			Exam Prep / sit final exam 15hr practical.										
	Subject Knowledge introduced / revised developed / used	Generating deign ideas and development of design ideas			Development of design ideas and final outcome / manufacturing a prototype			Manufacturing a prototype / evaluate. Begin exam prep - contextual challenge released to students on 1st feb. Dependent on contextual challenge			Dependent on contextual challenge			Dependent on contextual challenge										
	skills developed / extended / used	Extended: Design work skills / technical drawing			Extended : CAD skills using sketch Up/ Photoshop - dependent on students personal project brief			Dependent on contextual challenge			Dependent on contextual challenge			Dependent on contextual challenge										
	Opportunities to develop 'Respectful attitudes' / Inclusion and Diversity	Sharing of tools and equipment, listening to other students advice, guidance and opinions, collaborative working.			Sharing of tools and equipment, listening to other students advice, guidance and opinions, collaborative working.			Sharing of tools and equipment, listening to other students advice, guidance and opinions.			Sharing of tools and equipment, listening to other students advice, guidance and opinions.			Sharing of tools and equipment, listening to other students advice, guidance and opinions.										
	Links to 'Destinations and Employability'	Harry Potter trip to Warner Brother studio to see DT in action							students are naturally thinking and discussing their next steps and whether they are going to university or work and what potential career they are interested in. This course can lead to any creative industry from Graphic Designer, Illustrator, Senior Graphic Designer, Junior Graphic Designer, Branding and Advertising manager, Typography Designer, Branding and Corporate Identity, Website Designer, Digital Animation, Drafter, Animator, Multimedia Artist, Logo Designer, Layout Designer, Creative/Art Director, Flash Media Designer, Screen Printer, Photo editing/Photoshop Artist, Product Designer, Interior Designer, Architectural Designer															
	Enrichment Opportunities offered or developed	After school catch up on offer to help progress projects.			After school catch up on offer to help progress projects.			After school catch up on offer to help progress projects.			After school catch up on offer to help progress projects.			After school catch up on offer to help progress projects.										