



Design and Technology Curriculum – Year 7

	Autumn Term			Spring Term			Summer Term		
Big Ideas & Purpose	Jungle Book Pupils work collaboratively to produce an innovatively designed pop-up book based on the theme of Jungle animals. Pupils explore paper folding to create images representational of the jungle. Pupils learn about layout and typography as a means to presenting their work.			Contemporary African Textiles Pupils will design and make a bottle sleeve following the African theme, they will investigate and explore the use of repeat pattern in textiles using the batik and hand dye process.			Light Pupils explore how light can transform a space, they study the work of Daniel Buren who creates site specific installation using colour, shape and pattern. Pupils look at the glass making process creating small sample.		
Programme of Study	Media Focus Graphics 3D Paper manipulation Origami	Skills Focus Shape Cutting Paper folding Space	Designers Herve Tullet Leo Lionni David A Carter	Media Focus Batik Embroidery	Skills Focus Design Resist dyeing Hand embroidery Machine stitching	Designers Fashion print/ textile designers	Media Focus Collage Construction	Skills Focus Shape and pattern 3D Making	Designer Daniel Buren
Key Assessments	Investigate, Explore, Record, Present			Investigate, Explore, Record, Present			Investigate, Explore, Record, Present		
Key Skills	As well as the key skills developed in each project pupils will also cover: <ul style="list-style-type: none"> • Health and safety in a practical subject • Developing confidence with the basic materials in the DT room • Looking at ways to inspire ideas 			Links to Careers <ul style="list-style-type: none"> • Explored through discussion of individual designers work during programme of study. 					



Design and Technology – Year 8

	Autumn Term			Spring Term			Summer Term		
Big Ideas & Purpose	Celebrate - Gift Packaging Pupils look at current gift packaging available. They analyse existing products and evaluate the strengths and weaknesses. Pupils will learn how to analyse existing products using ACCESSFMM. They will look at the influence of typography in design, especially in the gift packaging market. Pupils look at a range of typography styles and apply their design ideas through Photoshop to create a range of gift packaging, including: a sheet of gift wrap, a gift tag and gift bag.			A day at the fare Pupils explore different textiles techniques and stitches to create samples inspired by the theme of sweet treats. These samples will be sewn together as bunting to create a whole group outcome.			Wood, trees and the natural environment Pupils produce a wooden sculpture Marquette based on research into Nash, Hepworth and others at Yorkshire Sculpture Park. The objective of the project is to ask students to think about the natural qualities of wood and how to manipulate shape, surface and texture.		
Programme of Study	Media Focus Paper Card Felt pens Pencil Crayon	Skills Focus Cutting and folding Typography Colour choice Design skills Product Analysis Measuring & accuracy Digital Print	Designers Paul Rand Carolyn Davidson Massimo Vignelli Walter Landor	Media Focus Applique Embroidery Dye Sublimation	Skills Focus Hand embroidery Machine stitching Applique	Designers Priscilla Jones Grayson Perry	Media Focus Materials- wood (joints), varnish RM equipment- Sandblaster/ laser cutter, tenon saw, belt sander/ glass paper	Skills Focus Design & 3D making	Designers David Nash
Key Assessments	<ul style="list-style-type: none"> Investigate, Explore, Record, Present 			<ul style="list-style-type: none"> Investigate, Explore, Record, Present 			<ul style="list-style-type: none"> Investigate, Explore, Record, Present 		
Key Skills	As well as the key skills developed in each project pupils will also cover: <ul style="list-style-type: none"> Health and safety in a practical subject Roles and responsibilities Responding responsibly using recycled materials Competent use materials in the practical workshop areas Developing ideas using digital media (Photoshop) 			Links to Careers <ul style="list-style-type: none"> Graphic design Design for events Advertising and print Possible trip to YSP before summer term project 					



Design and Technology – Year 9

	Autumn Term			Spring Term			Summer Term		
Big Ideas & Purpose	Structures Pupils research the work of Scheibitz, and Andre Bloc. Pupils create their own net and form a three dimensional shape that combines the use of perspective and tonal graduation. Pupils will learn about different types of structures and the forces that act upon them. Outcomes are put together to create an exhibition of work, which is photographed and evaluated.			Fashion Design Pupils create abstract repeat patterns based on the theme of fruit and vegetables. Pupils explore fashion illustration and combine pattern and illustration together to create contemporary fashion designs inspired by the designers listed. Outcomes include fashion illustrations using Photoshop and repeat patterns using 2D Design.			Locality Pupils explore their own locality focusing on the historical importance of the railway. Images are created in the style of Masereel and applied to various processes such as glass and wood.		
Programme of Study	Media Focus Pencil Paint Card Vacuum former	Skills Focus Perspective Tonal drawings Shape Cutting and construction	Designers Thomas Scheibitz Andre Bloc TheoVan Doesburg	Media Focus Fabric Painting Screen Printing	Skills Focus Pattern Illustration Layering Photoshop 2D Design	Designers Charlotte Olympia Stella McCartney Moschino Elsa Schiaparelli/ Salvador Dali- Surrealism	Media Focus Lino Vinyl Screen print Sand blasting	Skills Focus Illustration Cutting shape	Designers Frans Masereel
Key Assessments	<ul style="list-style-type: none"> Investigate, Explore, Record, Present 			<ul style="list-style-type: none"> Investigate, Explore, Record, Present 			<ul style="list-style-type: none"> Investigate, Explore, Record, Present 		
Key Skills	As well as the key skills developed in each project pupils will also cover: <ul style="list-style-type: none"> Health and safety in a practical subject Independence in the DT room Wide coverage of media possibilities in our workshop areas 			Links to Careers <ul style="list-style-type: none"> Textiles and illustration and sculpture as creative careers. Talk from The northern school of art. Baltic event focused on creative careers. 					



Three Dimensional Design – Year 10

Component 1: Portfolio 60%

Big Ideas & Purpose

Structures

Pupils focus on architecture that pushed the boundaries creating structures which are geometric and no longer representational of traditional architectural design. Delivery focuses strongly on problem solving encouraging exploration of materials, tools and processes. Pupils look at the impact of art movements on design and architecture and produce abstract three-dimensional work in response to their own independent investigations.

Programme of Study

Media Focus

Paper & Card
Glass and ceramic
Acrylic
MDF
Vacuum former
Plaster and concrete

Skills Focus

Recording from observation
Annotation of process to document knowledge
Investigation processes

Designers

Pupils are encouraged to find their own artists to inspire their personal journeys. As a starting point pupils visit Tate Liverpool and identify a number of designers as a starting point.

Pupils will also look at the work of:

Zarah Hadid
Frank Gerry
Naum Gabo Constructivism
Richard Sweeney
Le Corbusier
Frank Lloyd Wright

Key Assessments

Four assessment objectives equally weighted
Investigate,
Explore,
Record,
Present

At the beginning of the course pupils conduct a personal project over four weeks where they learn how to address the four assessment objectives. The remainder of year 10 is then split into two mock exams under the one theme of "Structures"

Mock 1
Structures

Mock 2
Brutalism

Key Skills

- Pupils cover a wide range of 3 dimensional media and a focus on developing a competency in various construction processes in year 10. Pupils build a portfolio or work in sketchbook format with a series of large scale supporting pieces.

Links to Careers

- Tate Liverpool Visit – Op art in focus.
- In-depth investigation into designers processes and inspiration driving their work.
- Option of attending the National Saturday club ran by the Sorrell foundation and the Northern School of Art.



Three Dimensional Design – Year 11

	Component 1: Portfolio 60%		Component 2: Externally Set Assignment 40%	
	Autumn Term		Spring Term	Summer Term
Big Ideas & Purpose	<p>Architectural Tiles Students are given a starting point and asked to independently produce a response to the theme of Architectural tiles. Pupils look at abstract /constructive art. Students explore the qualities of glass and ceramics to explore a variety of surfaces for both practical and decorative purposes. Experimentation involves the creation of artworks in glass, techniques and approaches to creative glass making. Students will investigate contextual and historical information on glass. They will develop new knowledge relevant to contemporary practice, and explore through technical workshops. Students will apply the tiles to a surface.</p>		<p>The externally set assignment provides students with the opportunity to demonstrate, through an extended creative response, their ability to draw together different areas of knowledge, skills and/or understanding in response to their selected starting point. The extended creative response must explicitly evidence students' ability to draw together different areas of knowledge, skill and/or understanding from initial engagement with their selected starting point through to their realisation of intentions in the 10 hours of supervised time. Externally set assignments will be available to students and teachers from 2 January. A preparation period, which can begin on or after 2 January is followed by 10 hours of supervised unaided work in which students are required to realise their intentions.</p>	
Programme of Study	Media Focus	Skills Focus	Artists	
	Ceramics Glass Perspex MDF Mosaic	3D making Carving and constructing Laser cutter Tessellations 2D design programme	Dale Chihuly Stanislav Libensky Jack Storms Dante Marioni Christopher Reis Alexander Clader Harvey Littleton Antony gaudi Viera De Silver Op Art Bridget Riley Victir Vasarely Carloz Cruz-Diez Tobias Rehberger	
Key Assessments	Four assessment objectives equally weighted Investigate, Explore, Record, Present		Four assessment objectives equally weighted Investigate, Explore, Record, Present	
Key Skills	<ul style="list-style-type: none"> Pupils use knowledge of their most competent skill and produce independent work that addresses the theme in their own personal journey of exploration. 		<p>Links to Careers</p> <ul style="list-style-type: none"> London gallery visit In-depth investigation into designer's processes and inspiration driving their work. 	



Textiles – Year 10

Component 1: Portfolio 60%

Big Ideas & Purpose

Weather

Pupils use the theme of weather as a starting point for media explorations in a variety of forms. Pupils follow personal journey through investigations into artists and designers. Student take abstract recordings into Photoshop to create repeat pattern and illustrative fashion drawings.

Programme of Study

Media Focus

Fabric dye and brusho
Paper and stitch
Hand stitch and Machine embroidery
Felt making
Plastic fusing
Batik

Skills Focus

Exploration of media with emphasis on abstract outcomes.
Recording for purpose
Pattern design
Fashion illustration
Construction techniques

Designers

Pupils are encouraged to find their own designers to inspire their personal journeys.

Key Assessments

Four assessment objectives equally weighted
Investigate,
Explore,
Record,
Present

At the beginning of the course pupils conduct a personal project over four weeks where they learn how to address the four assessment objectives. The remainder of year 10 is then split into two mock exams under the one theme of "Weather"

Mock 1
Weather

Mock 2
Decay

Key Skills

- Pupils cover a wide range of surface pattern skills from using print to more abstract ink dying. Pupils develop competencies in free hand illustration drawing. Use of digital and traditional print methods are explored to inspire contemporary abstract outcomes.

Links to Careers

- Preparing work for digital print
- Birmingham clothes show live
- Contact with Hartlepool Art college for print process workshop
- In-depth investigation into fashion designers processes and inspiration driving their work.



Textiles – Year 11

	Component 1: Portfolio 60%			Component 2: Externally Set Assignment 40%	
	Autumn Term			Spring Term	Summer Term
Big Ideas & Purpose	<p>Construct Students are given a starting point and asked to independently produce a response to the theme of 'Construction.' Pupils will investigate the theme looking at how fabrics can be manipulated and changed to create structure. They will experiment with different fabrics and techniques appropriate to the theme, focusing on layering and machine stitch. They will use various types of media including sublimation printing, fabric dyeing, free-machine stitch, hand embroidery, and embellishment. Outcomes will take the form of a constructed textiles piece which links to their research and development of samples.</p>			<p>The externally set assignment provides students with the opportunity to demonstrate, through an extended creative response, their ability to draw together different areas of knowledge, skills and/or understanding in response to their selected starting point. The extended creative response must explicitly evidence students' ability to draw together different areas of knowledge, skill and/or understanding from initial engagement with their selected starting point through to their realisation of intentions in the 10 hours of supervised time. Externally set assignments will be available to students and teachers from 2 January. A preparation period, which can begin on or after 2 January is followed by 10 hours of supervised unaided work in which students are required to realise their intentions.</p>	
Programme of Study	Media Focus	Skills Focus	Designers		
	Stitch- machine and hand embroidery Applique/ Reverse Applique Sublimation printing	Fabric manipulation Moulage Machine embroidery Hand embroidery 3D making Sampling	Philip Lim Peter Pilotto Gareth Pugh		
Key Assessments	Four assessment objectives equally weighted Investigate, Explore, Record, Present			Four assessment objectives equally weighted Investigate, Explore, Record, Present	
Key Skills	As well as the key skills developed in each project pupils will also cover: How to present outcomes for exhibition. Photography and documentation of techniques.			Links to Careers <ul style="list-style-type: none"> • London gallery visit • School fashion show • In-depth investigation into designers processes and the inspiration driving their work. 	