

Holy Family RC Primary School

Design and Technology Curriculum Overview

"For with God nothing shall be impossible." Luke 1:37						
	Autumn 1 (7 weeks)	Autumn 2 (7.5 weeks)	Spring 1 (6 weeks)	Spring 2 (5 weeks)	Summer 1 (7 weeks)	Summer 2 (6 weeks)
Significant Individuals						
EYFS	The learning and development of Art is taught throughout all areas of the curriculum as and when it compliments existing learning opportunities and more specifically through expressive arts and design. This will include; safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function; - Share their creations, explaining the process they have used; use a variety of media – sand, foam, paint, clay, playdough, charcoal, printing materials. Painting equipment, sponges, rollers, brushes, scraping tools, paint mixing materials, drawing materials large and small – pens, brushed, different types of pencils, chalks, whiteboard pens, mark making materials – water and brushes, natural materials to create sculpture, outdoor and indoor opportunities to create and mark making.					
Significant Individual	Alexis Soyer	Jim Henson	Mark Rothko	Giuseppe Arcimboldo	The Wright Brothers	Steven Brown
Y1	Aspect of DT: Preparation of fruit and vegetable Topic Design, make and evaluate a fruit salad for family.	Aspect of DT: Textiles, Templates and Joining Topic: Design, make and evaluate a Glove Puppet	Abstract Art, form and tone. Creating mood and use of facial expression	Create collage faces out of real fruit- transient art based on the works of Arcimboldo.	DT Topics – Sliders and Levers (linked to transport)	Drawing: Pattern and line Oil Pastels, Contemporary artist experiment with the use of colour, pattern, texture, line and shape.

Significant Individual	Friedrich Froebel	Kevin Haynes	George Stephenson	Georgia O'Keefe	Martin Bullinya	Otto Rohwedder
Y2	Aspect of DT: Free standing structure Topic Design, make and evaluate a model of playground equipment for school (local area)	Drawing colour and tone Charcoal, pencil and pastels. Use tone to create from portraits	Aspect of DT Mechanisms Wheels & Axles Project Title Design, make and evaluate a rolling vehicle for a child's toy.	Painting including digital media. Compose geometric designs by adapting the work of other artists to suit their own ideas.	Printing shape and colour, Sculpture; create tones with paint by adding black. Know how to sculpt clay and other mouldable materials.	Aspect of DT preparation of sandwich (Templates and Joining) Topic Design, make and evaluate a sandwich (product)
Significant Individual	Claude Monet	Imhotep	Henri Breuil	Margarete Steiff	Karen Lederer	Jamie Oliver
Y3	Impressionism: light and colour to create impressions of River Thames. Sketchbooks Know how to show facial expressions in art.	Aspect of DT: Shell Structures Topic: To construct 3D geometric shapes based on Ancient Civilisations. To understand that wide and flat based structures are more stable. (Stone Age structures, Egyptian or Mesopotamian structures.	Use different grades of pencils. Use different grades of pencil to shade and show different tones and textures. Use sketches to produce a final piece of art.	Aspect of DT: Textiles 2D-3D Topic: Design, make and evaluate a worry monster for a pupil. Using running stitch to create a pouch, decorating using fabric glue.	Printing and textiles creating artworks by printing. Analyse and describe texture in artists' work.	Aspect of DT: Healthy and Varied diet Topic: Follow a recipe, taste and evaluate a healthy flapjack. To know that fruit gives nutritional benefits.
Significant Individual	Ampere Ajay Bhatt	Antoni Gaudi	Andy Goldsworthy	Mario Batali	Leo Fender	Elyse Dodge
Y4	Aspect of DT: Electrical Systems, simple circuits and switches. DT Topic: Design, make and evaluate a ship with electrical	Antoni Gaudi and other mosaic artists Zajer, True, Biggs Designing and creating mosaics	Mixed media; Experiment with a range of collage techniques such as tearing, overlapping and layering to create images and represent textures	Aspect of DT Food – Healthy and Varied Diet DT Topic Design, make and evaluate a pizza for children to promote	DT topic - Celebrating culture design 2D-3D, shell structures. DT Topic Research Scandinavian Musical instruments	Digital images Geometric landscapes. Know how to integrate digital images into artwork. Use sketchbooks to help create facial

	light for younger children to use.			healthy living. (Following recipe) Purpose and user – create pizzas for the class.	(Dulcimer, fiddle) and create their own version in groups	expressions; experiment with different texture.
Significant Individual	LS Lowry	Fazlur Rahman Khan Emily Warren Roebling	Exekias	African Fabric	Charles Bittering Burt Rutan	Archimedes
Y5	Architecture Drawing lines, stippling, cross hatching, rubbing, smudging. Drawing using a variety of tools – pencils, charcoal & pastels. Drawing on a larger scale.	DT Aspect Computer Aided design. (Iggy Peck link) DT topics work as part of a team to create the sturdiest bridge possible. Design using CAD, before finalising them thinking carefully about their design brief and the structures that are most sturdy. Test final product. Teaches children about r engineers and significant bridges, learning to identify features, such as beams, arches and trusses.	Art Sculpture Pattern and 3D forms, Design and create sculpture	Printing and textiles. Tie dye, block printing and embroidery. Aspect of DT: cooking and nutrition DT topic: There are similarities between recipes from different cultures as well as key differences. Prepare a meal based on an aspect of African Culture.	Painting and drawing Space	Aspect of DT: Mechanical Systems – Levers and Linkages including loose pivots. DT topics – designing a moving rainforest landscape
Significant Individual	Picasso	Matt Smith	George Segal and Elizabeth Berrian	George Washington Carver Dan Barber	Ada Lovelace	Andy Warhol

<p>Y6</p>	<p>Mayan Masks Select different colour/size/texture of paper to create desired effects. Predict colour mixing in their work. Understand how different medias can be combined and work well</p>	<p>Aspect: Mechanical Systems DT topic: Automata Toys – Understand that the mechanisms used include cams, axels followers. (Link to Britain in the 30s,40 and 50s)</p>	<p>Sculpture Produce sculptures or Soldiers horses, use of clay, wire and Modroc. DT Topic</p>	<p>DT Aspect: Cooking and nutrition - Celebrating culture and seasonality. DT Topic: Ingredients need to be grown, stored, harvested, preserved and processed to produce complex products. Create a healthy choices meal.</p>	<p>Electrical systems – monitoring and control. Steady Hand games.</p>	<p>Gender comparison Artists comparisons</p>
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