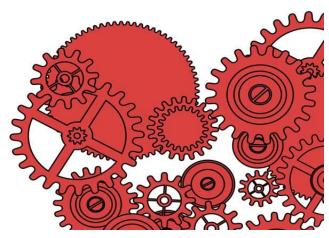
Sacred Heart RC Nursery & Primary School



Updated: 6.6.22 SAW

Progression in Design and Technology Including Early Years Foundation Stage

EYFS

The EYFS framework is structured very differently to the national curriculum as it is organised across seven areas of learning rather than subject areas. This document demonstrates which early years outcomes are prerequisite skills for DT within the national curriculum.

Birth to 3	3 and 4 Year Olds	Children in Reception	Early Learning Goal
Sit without support. Reach out for objects as coordination develops. Try a wider range of foods with different tastes and textures. Reach out for objects as coordination develops. Pass things from one hand to the other. Let go of things and hands them to another person or drops them. Build independently with a range of appropriate resources. Develop manipulation and control. Explore different materials and tools. Use large and small motor skills to do things independently, for example manage buttons and zips, and pour drinks.	Use large-muscle movements to wave flags and streamers, paint and make marks. Choose the right resources to carry out their own plan. For example, choosing a spade to enlarge a small hole they dug with a trowel. Use one-handed tools and equipment, for example, making snips in paper with scissors. Use a comfortable grip with good control when holding pens and pencils.	 Develop their small motor skills so that they can use a range of tools competently, safely and confidently. Suggested tools: pencils for drawing and writing, paintbrushes, scissors, knives, forks and spoons. Confidently and safely use a range of large and small apparatus indoors and outside, alone and in a group. 	 Hold a pencil effectively in preparation for fluent writing – using the tripod grip in almost all cases. Use a range of small tools, including scissors, paintbrushes and cutlery. Begin to show accuracy and care when drawing

	Birth to 3	3 and 4 Year Olds Ch	ildren in Reception	Early Learning Goal
Expressive Arts and Design	 Explore different materials, using all their senses to investigate them. Manipulate and play with different materials. Use their imagination as they consider what they can do with different materials. Make simple models which express their ideas. 	Make imaginative and complex 'small worlds' with blocks and construction kits, such as a city with different buildings and a park. • Develop their own ideas and then decide which materials to use to express them. • Explore different materials freely, in order to develop their ideas about how to use them and what to make. • Join different materials and explore different textures.	Return to and build on their previous learning, refining ideas and developing their ability to represent them. Create collaboratively sharing ideas, resources and skills.	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. Make use of props and materials when role playing characters in narratives and stories.
		Bake, Card, Construction kit, Cook, Cu Pens, Recipe, Ruler, Scissors, Sellotape fasteners, cardboard		

	Designing				
Understanding contexts, users and purposes	 Across KS1 pupils should: Work confidently within a range of contexts, such as imaginary, story-based, home, school, gardens, playgrounds, local community, industry and the wider environment State what products they are designing and making Say whether their products are for themselves or other users Describe what their products are for Say how their products will work Say how they will make their products suitable for their intended users Use simple design criteria to help develop their ideas 	Across KS2 pupils should: Work confidently within a range of contexts, such as the home, school, leisure, culture, enterprise, industry and the wider environment -Describe the purpose of their products -Indicate the design features of their products that will appeal to intended users -Explain how particular parts of their products work In lower KS2 pupils should also: -Gather information about the needs and wants of particular individuals and groups -Develop their own design criteria and use these to inform their ideas In upper KS2 pupils should also: -Carry out research, using surveys, interviews, questionnaires and web-based resources -Identify the needs, wants, preferences and values of particular individuals and groups			
Generating, developing, modelling and communicating ideas	Across KS1 pupils should: Generate ideas by drawing on their own experiences Use knowledge of existing products to help come up with ideas Develop and communicate ideas by talking and drawing Model ideas by exploring materials, components and construction kits and by making templates and mock ups Use information and communication technology, where appropriate, to develop and communicate their ideas.	Across KS2 pupils should: Share and clarify ideas through discussion Model their ideas using prototypes and pattern pieces Use annotated sketches, cross-sectional drawings and exploded diagrams to develop and communicate their ideas Use computer-aided design to develop and communicate their ideas In lower KS2 pupils should also: Generate realistic ideas, focusing on the needs of the user Make design decisions that take account of the availability of resources In upper KS2 pupils should also: Generate innovative ideas, drawing on research Make design decisions, taking account of constraints such as time, resources and cost			

	Making				
Planning	Across KS1 pupils should: Plan by suggesting what to do next Select from a range of tools and equipment, explaining their choices. Select from a range of materials and components according to their characteristics	Across KS2 pupils should: Select tools and equipment suitable for the task Explain their choice of materials and components according to functional properties and aesthetic qualities Select materials and components suitable for the task In lower KS2 pupils should also: Order the main stages of making In upper KS2 pupils should also: Produce appropriate lists of tools, equipment and materials that they need Formulate step-by-step plans as a guide to making			
Practical skills and techniques	Across KS1 pupils should: • Follow procedures for safety and hygiene • Use a range of materials and components, including construction materials and kits, textiles, food ingredients and mechanical components • Measure, mark out, cut and shape materials and components • Assemble, join and combine materials and components • Use finishing techniques, including those from art and design	Across KS2 pupils should: Follow procedures for safety and hygiene Use a wider range of materials and components than KS1, including construction materials and kits, textiles, food ingredients, mechanical components and electrical components In lower KS2 pupils should also: Measure, mark out, cut and shape materials and components with some accuracy Assemble, join and combine materials and components with some accuracy Apply a range of finishing techniques, including those from art and design, with some accuracy In upper KS2 pupils should also: Accurately measure, mark out, cut and shape materials and components Accurately assemble, join and combine materials and components Accurately apply a range of finishing techniques, including those from art and design Use techniques that involve a number of steps Demonstrate resourcefulness when tackling practical problems			

	Evaluating			
Own ideas and	Across KS1 pupils should:	Across KS2 pupils should:		
products	 Talk about their design ideas and what they are making Make simple judgements about their products and ideas against design criteria Suggest how their products could be improved 	 Identify the strengths and areas for development in their ideas and products Consider the views of others, including intended users, to improve their work		
Existing products	Across KS1 pupils should explore:	Across KS2 pupils should investigate and analyse:		
.	What products are	How well products have been designed		
	Who products are for	How well products have been made		
	What products are for	Why materials have been chosen		
	How products work	What methods of construction have been used		
	How products are used	How well products work		
	Where products might be used	How well products achieve their purposes		
	What materials products are made from	How well products meet user needs and wants		
	What they like and dislike about products	In lower KS2 pupils should also investigate and analyse:		
		Who designed and made the products		
		Where products were designed and made		
		When products were designed and made		
		Whether products can be recycled or reused		
		In upper KS2 pupils should also investigate and analyse:		
		How much products cost to make		
		How innovative products are		
		How sustainable the materials in products are		
		What impact products have beyond their intended purpose		
Key events & individuals	Not a requirement in KS1	About inventors, designers, engineers, chefs and manufacturers who have		
		developed ground-breaking products.		

Technical Knowledge		
	Across KS2 pupils should know:	
• How	to use learning from science to help design and make products that	
work		
• How	to use learning from mathematics to help design and make products	
that w	ork	
• That	materials have both functional properties and aesthetic qualities	
• That	materials can be combined and mixed to create more useful	
charac	teristics	
	mechanical and electrical systems have an input, process and output	
	orrect technical vocabulary for the projects they are undertaking	
• How	mechanical systems such as levers and linkages or pneumatic systems	
	movement	
	simple electrical circuits and components can be used to create	
	nal products	
	to program a computer to control their products	
	to make strong, stiff shell structures	
	mechanical systems such as cams or pulleys or gears create movement	
	more complex electrical circuits and components can be used to create	
	nal products	
	to program a computer to monitor changes in the environment and	
	I their products	
• How	to reinforce and strengthen a 3D framework	

	Cooking and Nutrition			
Where food comes from	Across KS1 pupils should know: That all food comes from plants or animals That food has to be farmed, grown elsewhere (e.g. home) or caught	Across KS2 pupils should know: That food is grown (such as tomatoes, wheat and potatoes), reared (such as pigs, chickens and cattle) and caught (such as fish) in the UK, Europe and the wider world That seasons may affect the food available How food is processed into ingredients that can be eaten or used in cooking		
Food preparation, cooking and nutrition	Across KS1 pupils should know: How to name and sort foods into the five groups in the Eat well plate That everyone should eat at least five portions of fruit and vegetables every day How to prepare simple dishes safely and hygienically, without using a heat source How to use techniques such as cutting, peeling and grating	Across KS2 pupils should know: How to prepare and cook a variety of predominantly savoury dishes safely and hygienically including, where appropriate, the use of a heat source How to use a range of techniques such as peeling, chopping, slicing, grating, mixing, spreading, kneading and baking In early KS2 pupils should also know: That a healthy diet is made up from a variety and balance of different food and drink, as depicted in The Eat well plate That to be active and healthy, food and drink are needed to provide energy for the body That different food and drink contain different substances – nutrients, water and fibre – that are needed for health		

Sacred Heart: Design and Technology Curriculum

$\nabla G = G$	MECHANISMS	TEXTILES	FOOD
Year 1	Moving Pictures	Textile Tree	Fruit Salad
Designing	Work confidently within a range of contexts, such as imaginary, story based, homes, school, gardens, local community, industry and the wider environment. State what products they are designing and making. Say how their products will work	Say how their products will work. Say how they will make their products suitable for intended users. Generate ideas by drawing on their own experiences.	Use simple design criteria to develop their ideas. Discuss what they like and dislike about products.
Making	Develop and communicate ideas by drawing and talking State how their products will work	Plan by suggesting what to do next. Select from a range of materials and components according to their characteristics.	Follow procedures for safety and hygiene. Use a range of materials and components including food ingredients.
Evaluating	Make simple judgements about their products and ideas against design criteria	Make simple judgements about their products and ideas against design criteria Suggest how their products could be improved.	Talk about their design and what they are making. Suggest how their products could be improved.
Technical Knowledge	About the movement of simple	The correct technical vocabulary for the	That food ingredients should be

	mechanisms such as levers, sliders, wheels and axles. The correct technical vocabulary for the projects they are undertaking.	projects they are undertaking	combined according to their sensory characteristics.
Cooking and Nutrition	NA	NA	That food has to be farmed, grown elsewhere or caught. How to prepare simple dishes safely and hygienically without using a heat source. How to use techniques such as cutting, peeling and grating.
Vocabulary	Key Vocabulary picture image, speech bubble mechanism, lever, pivot, wheel, disk, centre, paper fastener, curve, bigger, smaller	Key Vocabulary cotton, wool, foil, net, linen, waterproof, strong, fasten, teaching branch, twig, tree, cardboard, metal, sandpaper – textile, cloth, soft, rough, card, loop, glue, sort, evaluate ,fabric, material comfortable sample evaluation, flexible, warm, wrap, paperclip, design specification	Key Vocabulary fruit, fruit juice, fruit salad, frozen, words to describe taste: play dough, flatten, mash, skin, peel, pips, dried, canned, taste, texture, colour, sweet, sour, bitter, tangy, spread, scoop, slice, stones, core, estimate, apple, banana, cherry, grape, sharp; words to describe handle, blade, edge, specification ,grapefruit, kiwi, lemon, pineapple, texture: soft, smooth, firm, bowl (of spoon) prongs ingredients, measure, mango, melon, orange, pear, chewy, crunchy, crisp, smoothly, lumpy compare, evaluate, lime, plum, raspberry, strawberry hard improve
Key events & individuals	Moving picture book from the library	Monika Correa	Nadiya Hussain
Links to other curriculum areas		Linked to Science – Everyday Materials	

	MATERIALS	CONSTRUCTION	FOOD
Wear 2	Fridge Magnets	Stable Structures	Healthy Snacks
Designing	To say whether their products are for themselves or other users Describe what their products are for. Say how their products will work. Use knowledge of existing products to come up with ideas.	Say whether their products are for themselves or other users Describe what their products are for Use knowledge of existing products to help come up with ideas	work confidently within a range of contexts, such as imaginary, story-based, home, school, gardens, playgrounds, local community, industry and the wider environment use simple design criteria to help develop their ideas
	come up with lueas.		generate ideas by drawing on their own experiences use information and communication technology, where appropriate, to develop and communicate their ideas
Making	Measure, mark out and, cut and shape materials and components. Use finishing techniques including those from art and design.	Select from a range of tools and equipment, explaining their decisions	Follow procedures for safety and hygiene Use a range of materials and components, including construction materials and kits, textiles, food ingredients and mechanical components
Evaluating	What products are (Existing products) What products are for (Existing products) Who products are for (Existing products) How products are used (Existing products) products)	Talk about their design ideas and what they are making. How products are used (Existing products) Where products are used (Existing products) What they like and dislike about	make simple judgements about their products and ideas against design criteria What products are (Existing products) What products are for (Existing products)

	Where products might be used (Existing products)	products.	Who products are for (Existing products) How products are used (Existing products) Where products might be used
Technical Knowledge	About the simple working characteristics of materials and components.	How freestanding structures can be made stronger, stiffer and more stable.	that food ingredients should be combined according to their sensory characteristics
Food and Nutrition	NA	NA	How to prepare simple dishes safely and hygienically. How to use techniques such as spreading.
Vocabulary	magnet, shape layer template, popular magnetic finish	Stable, structure, strong, weak, heavy, ramp, weight, route, cardboard, cotton reel, wool, materials	white bread, wholemeal bread, brown preferences, data, popular spinner, specification, bread, butter, toaster, timer, grills, survey evaluation, production heat, permanent change, browning system
Links to other curriculum areas		Science – Materials and their properties.	
Key events & individuals	Etsy for ideas and inspiration	Fazlur Rahman Khan – initiated structural systems for skyscrapers	Heston Blumenthal

Objectives from DT to be covered in Science

That all food comes from plants and animals.

That food has to be farmed, grown elsewhere or caught.

How to name and sort foods into the five groups in the Eatwell plate.

That everyone should eat at least five portions of fruit and vegetables every day.

	FOOD	TEXTILES	CONSTRUCTION
Year 3	Seasonal Food - Pizza	Fabulous Flowers	Making a Game
Designing	Gather information about the needs and wants of particular individuals and groups Develop their own design criteria and use these to inform their ideas Make design decisions that take account of the availability of resources	Use annotated sketches, cross-sectional drawings and exploded diagrams to develop and communicate their ideas Work confidently within a range of contexts, such as the home, school, leisure, culture, enterprise, industry and the wider environment Model their ideas using prototypes and pattern pieces Make design decisions that take account of the availability of resources	Explain how particular parts of their products work Develop their own design criteria and use these to inform their ideas Share and clarify ideas through discussion Use annotated sketches, cross-sectional drawings and exploded diagrams to develop and communicate their ideas
Making	Select tools and equipment suitable for the task Order the main stages of making Follow procedures for safety and hygiene Use a wider range of materials and components than KS1, including construction materials and kits, textiles, food ingredients, mechanical components and electrical components	Select tools and equipment suitable for the task Explain their choice of materials and components according to functional properties and aesthetic qualities Select materials and components suitable for the task Use a wider range of materials and components than KS1, including construction materials and kits, textiles, food ingredients, mechanical	Select tools and equipment suitable for the task Explain their choice of materials and components according to functional properties and aesthetic qualities

		components and electrical components measure, mark out, cut and shape materials and components with some accuracy Assemble, join and combine materials and components with some accuracy Apply a range of finishing techniques, including those from art and design, with some accuracy	
Evaluating	Refer to their design criteria as they design and make Use their design criteria to evaluate their completed products	Identify the strengths and areas for development in their ideas and products Refer to their design criteria as they design and make Use their design criteria to evaluate their completed products	Identify the strengths and areas for development in their ideas and products Use their design criteria to evaluate their completed products
Technical Knowledge	How to use learning from science to help design and make products that work	How to use learning from mathematics to help design and make products that work That materials can be combined and mixed to create more useful characteristics	That materials can be combined and mixed to create more useful characteristics

Cooking and Nutrition	That food is grown (such as tomatoes, wheat and potatoes), reared (such as pigs, chickens and cattle) and caught (such as fish) in the UK, Europe and the wider world How to prepare and cook a variety of predominantly savoury dishes safely and hygienically including, where	NA	NA
	appropriate, the use of a heat source How to use a range of techniques such as peeling, chopping, slicing, grating, mixing, spreading, kneading and baking		
	That seasons may affect the food available		
	How food is processed into ingredients that can be eaten or used in cooking		
	That a healthy diet is made up from a variety and balance of different food and drink, as depicted in The Eat well plate		
	That to be active and healthy, food and drink are needed to provide energy for the body		
	That different food and drink contain different substances – nutrients, water and fibre – that are needed for health		

Vocabulary	Seasonal, flour, milling, hygienically, commercially, climate, weather, harvested, vitamins, minerals, fibres, varied, fats, diet, vegetarian, sea fishing, fish stocks, nutrients, food calendar.	Leaves, petals ,stamen, carpel Pollen, stem ,corrugated ,straight curved ,spiral ,irregular, bent template, symmetrical	maracas, drum, xylophone, guitar, stretched string, stretched skin, rattle, composition, musical note, vibrates, rhythm, tune compose, amplify
Links to other curriculum area	Geography – food and trade	Science –Living things and their habitats/ Plants	Music
Key events & individuals	Jamie Oliver	William Morris	Leo Fender

CONSTRUCTION	FOOD	MATERIALS
Games	Seasonal foods - Smoothie	Party Hats

Designing	Work confidently within a range of contexts, such as the home, school, leisure, culture, enterprise, industry and the wider environment Describe the purpose of their products Indicate the design features of their products that will appeal to intended users Make design decisions that take account of the availability of resources	Work confidently within a range of contexts, such as the home, school, leisure, culture, enterprise, industry and the wider environment Describe the purpose of their products	Indicate the design features of their products that will appeal to intended users Model their ideas using prototypes and pattern pieces
Making	Select materials and components suitable for the task Measure, mark out, cut and shape materials and components with some accuracy Assemble, join and combine materials and components with some accuracy	Share and clarify ideas through discussion Generate realistic ideas, focusing on the needs of the user Select materials and components suitable for the task Order the main stages of making Follow procedures for safety and hygiene	Measure, mark out, cut and shape materials and components with some accuracy apply a range of finishing techniques, including those from art and design, with some accuracy
Evaluating	How well products work (existing products) How well products achieve their purposes (existing products) How well products meet user needs and wants (existing products)	Refer to their design criteria as they design and make How well products have been made (Existing products) How well products achieve their purposes (Existing products)	Identify the strengths and areas for development in their ideas and products Use their design criteria to evaluate their completed products

	who designed and made the products (existing products) where products were designed and made (existing products) when products were designed and made (existing products) whether products can be recycled or reused (existing products) Refer to their design criteria as they design and make Use their design criteria to evaluate their completed products	How well products meet user needs and wants (Existing products)	
Technical Knowledge	How to make strong, stiff shell structures	How to use learning from science to help design and make products that work	How to use learning from mathematics to help design and make products that work That materials have both functional properties and aesthetic qualities
Cooking and Nutrition	NA	That to be active and healthy, food and drink are needed to provide energy for the body That a healthy diet is made up from a variety and balance of different food and drink, as depicted in The Eat well plate	NA

Vocabulary	.safe, convenient, toy, rules, template, square, preference practical, cost effective, hand/eye skill, right angle, sawing board, game, bored thinking skill, chance cutting mat, hacksaw, strip	consumer, market research, taste, texture, peeler, sieve, grater, whisk, questionnaire, interview, allergy, tasting panels, advertising, healthy water, fizzy water, milk, design specification, labelled, Ingredients, cost yoghurt, fruit, fruit juice drawing, evaluation	party, birthday, headpiece, stapler, shape, size, template printing, pattern, appliqué, celebration scissors, strip, join, specification, evaluation, best fit
Links to other curriculum areas		Science - Animals including humans.	
Key events & individuals	Lizzie Magie	Julius Freed and Bill Hamlin	Philip Treacy

	CONSTRUCTION	MECHANISMS	TEXTILES
Year 5	Moving Animals	Buggy	Carrier Bag
Designing	Develop a simple design specification to guide their thinking Generate innovative ideas, drawing on research Make design decisions, taking account of constraints such as time, resources and cost	Work confidently within a range of contexts, such as the home, school, leisure, culture, enterprise, industry and the wider environment Describe the purpose of their products Indicate the design features of their products that will appeal to intended users Explain how particular parts of their products work Model their ideas using prototypes and pattern pieces Use annotated sketches, cross-sectional drawings and exploded diagrams to develop and communicate their ideas.	Carry out research, using surveys, interviews, questionnaires and webbased resources Identify the needs, wants, preferences and values of particular individuals and groups use annotated sketches, cross-sectional drawings and exploded diagrams to develop and communicate their ideas generate innovative ideas, drawing on research
Making	Accurately measure, mark out, cut and shape materials and components Accurately assemble, join and combine materials and components Use techniques that involve a number of steps	Explain their choice of materials and components according to functional properties and aesthetic qualities Select materials and components suitable for the task Formulate step-by-step plans as a guide to making Accurately assemble, join and combine	Select tools and equipment suitable for the task Explain their choice of materials and components according to functional properties and aesthetic qualities Select materials and components suitable for the task Accurately measure, mark out, cut and

Use techniques that involve a number of steps Demonstrate resourcefulness when tackling practical problems	
tackling practical problems	
Critically evaluate the quality of the design, manufacture and fitness for purpose of their products as they design and make Critically evaluate the quality of the design, manufacture and fitness for purpose of their products as they design and make Critically evaluate the quality of the design, manufacture and fitness for purpose of their products as they design and make Critically evaluate the quality of the design, manufacture and fitness for purpose of their products as they design and make Consider the views of others, including intended users, to improve their work against their original design specification How well products have been design (Existing products) Why materials have been chosen What methods of construction have been used (Existing products) How well products work (Existing products) How well products achieve their purposes (Existing products) How well products achieve their purposes (Existing products) How well products are tuser needs a wants (Existing products) How sustainable the materials in products are (Existing products)	ove their work If products Isign If been designed If been made If been made If chosen If cho

Technical Knowledge	How mechanical systems such as levers and linkages or pneumatic systems create movement How to use learning from mathematics to help design and make products that work How mechanical systems such as cams or pulleys or gears create movement How to reinforce and strengthen a 3D framework The correct technical vocabulary for the projects they are undertaking	That mechanical and electrical systems have an input, process and output The correct technical vocabulary for the projects they are undertaking How simple electrical circuits and components can be used to create functional products	How to make strong, stiff shell structures That materials have both functional properties and aesthetic qualities
Cooking and Nutrition	NA	NA	NA
Vocabulary	outline, expression, roar, net, length, mechanism, crank, crank and specification, shape, trace, chew, gawp, lick, width, height, slider, cam, shaft, cam and lever, design decision, detail peck proportion movement, rotation, oscillation, adjustments, reciprocation evaluation, review	vehicle, battery, abrasive, hexagon, mechanism, belt drive, simple, compound, gear, worm and wheel, motor, chassis, periphery push to make switch, push to break switch, on-off switch, pulley axle wheel, forwards, backwards, reverse, flashing LED (light emitting diode), series circuit, parallel circuit, bulb holder, buzzer, network	retail outlet, logos, integral, observation sensitive, predicting, plaiting, seam drawing, structure stiffen, fibre ,reinforce
Key events & individuals	Angie Bual – The Hatchling	James Dyson	1940s – LL Bean – Tote bag created

	MATERIALS	TEXTILES	CONSTRUCTION
Year 6	Creatures	Fashion and Textiles	Pioneering Programmers
Designing	Develop a simple design specification to guide their thinking Generate innovative ideas, drawing on research Make design decisions, taking account of constraints such as time, resources and cost	Work confidently within a range of contexts, such as the home, school, leisure, culture, enterprise, industry and the wider environment Use annotated sketches, cross-sectional drawings and exploded diagrams to develop and communicate their ideas Generate innovative ideas, drawing on research select materials and components suitable for the task	Use annotated sketches, cross-sectional drawings and exploded diagrams to develop and communicate their ideas Use computer-aided design to develop and communicate their ideas
Making	Explain their choice of materials and components according to functional properties and aesthetic qualities Use a wider range of materials and components than KS1, including construction materials and kits, textiles, food ingredients, mechanical components and electrical components accurately Apply a range of finishing techniques, including those from art and design	Accurately measure, mark out, cut and shape materials and components Accurately assemble, join and combine materials and components Use techniques that involve a number of steps Demonstrate resourcefulness when tackling practical problems	Explain their choices of components according to functional properties. produce appropriate lists of tools, equipment and materials that they need Accurately assemble, join and combine materials and components

Commented [ND1]: Stephen, I've realigned the pages and made the document more user friendly and athestically pleasing to the eye.

I've moved the suggested people from he title to its own row. I don't know whether Bridget started these, you or someone else? We need to look for suggested people showing a range of women, BAME, time etc.

Y3 and 4 have made some changes to thhe order so this will need changing in te document. Check with Jen.

Commented [GU2R1]: Bridget started the 'suggested people'. I have researched and added suggestions.

Evaluating	Evaluate their ideas and products against their original design specification The correct technical vocabulary for the projects they are undertaking	Critically evaluate the quality of the design, manufacture and fitness for purpose of their products as they design and make	Evaluate their ideas and products against their original design specification Who designed and made the products (Existing products) Where products were designed and made (Existing products) When products were designed and made (Existing products) How innovative products are (Existing products)

Technical Knowledge	How to make strong, stiff shell structures How to reinforce and strengthen a 3D framework	How to use learning from science to help design and make products that work That materials have both functional properties and aesthetic qualities That materials can be combined and mixed to create more useful characteristics	How to use learning from science to help design and make products that work That mechanical and electrical systems have an input, process and output How simple electrical circuits and components can be used to create functional products How to program a computer to control their products How more complex electrical circuits and components can be used to create functional products How to program a computer to monitor changes in the environment and control their products
Cooking and Nutrition	NA	NA	NA
Vocabulary	statue, gargoyle, totem pole, temple grid, vertical lines, strength, strong, stable, fastenings, dragon, welcome, deter, intruder, horizontal lines, stiffness, stiff, welcomer, guardian expression (on face) scale, scaling up	Stitch, sew, needle, thread, hem, hemmed, properties, materials, pattern, join, textile, synthetic, fibres, straight stitch, whip stitch, back stitch. fashion. measurements, seam, drawstring.	Electrical systems, algorithms, programmed, micro controllers, Raspberry Pis, flowcharts, components, embedded, buttons, bulbs, Linux, LCD, Prototyped, CAD, code, defects.

Links to other curriculum areas			Computing
			Science – Electricity
	Annia Bual Tha Hatabiina	The footbase and inscinction	Dill Cata
Key events & individuals	Angie Bual – The Hatchling	Etsy – for ideas and inspiration	Bill Gates
			Alan Turing
			Ada Lovelace
			Dorothy Vaughan