

		EYFS	
	3 & 4-year-olds will be learning to:	Children in Reception will be learning to:	ELG
Expressive Art and Design	Join different materials and explore different textures.	Return to and build on their previous learning, refining ideas and developing their ability to represent them	Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture,
	Explore different materials freely, in order to develop	SMar.	form and function
	their ideas about how to use them and what to make.		Share their creations, explaining the process they have
	Develop their own ideas and then decide which	W/ 3\C,	used
	materials to use to express them.	477 Sel 214	
	· ·	C. F1.	Make use of props and materials when role playing
	Create closed shapes with continuous lines, and begin to	317 / 10 16	characters in narratives and stories
	use these shapes to represent objects.	7\ / / / / / / / / / / / / / / / / / / /	
	Make imaginative and complex 'small worlds' with blocks		
	and construction kits, such as a city with different	The same of the sa	
	buildings and a park.		
Understanding the World	Explore how things work	71 65	
Personal, Social	Select and use activities and resources, with help when	Manage their own needs.	Manage their own basic hygiene and personal needs,
and Emotional	needed. This helps them to achieve a goal they have	Personal hygiene	including dressing, going to the toilet and understanding
	chosen or one which is suggested to them		the importance of healthy food choices
	Make beather shares about food drink askining and	Know and talk about the different factors that	
	Make healthy choices about food, drink, activity and toothbrushing.	support their overall health and wellbeing:	
	toothbrushing.	regular physical activityhealthy eating	
		• toothbrushing	
		• sensible amounts of 'screen time'	
		having a good sleep routine	
		being a safe pedestrian	
Communication		Learn new vocabulary.	
and Language		Use new vocabulary throughout the day.	
		Use new vocabulary in different contexts.	



		Articulate their ideas and thoughts in well-formed	
		sentences.	
		Connect one idea or action to another using a range of connectives.	
		Use talk to help work out problems and organise	
		thinking and activities, and to explain how things work	
		and why they might happen.	
Physical	Use large-muscle movements to wave flags and	Dev <mark>elop thei</mark> r small motor skill <mark>s so that</mark> they can use a	Hold a pencil effectively in preparation for fluent writing –
	streamers, paint and make marks.	range of tools competently, safely and confidently.	using the tripod grip in almost all cases;
		Suggested tools - pencils for drawing and writing,	
	Choose the right resources to carry out their own plan.	paintbrushes, scissors, knives, forks and spoons.	Use a range of small tools, including scissors, paint
		1 * 1/2 / / N / P	brushes and cutlery;
	Use one-handed tools and equipment, for example,	2 () / N/	
	making snips in paper with scissors.		Begin to show accuracy and care when drawing.

Dartford Primary Academy



KS1

				KS1					
Yr1	Desig	gning		Ma	king		Evaluating		
	Contexts, Users and Purpose Generating, developing, modelling and communicating ideas		Planning	Practical skills and techniques	Existing	Products	Own ideas and products		
	-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 -Generate ideas b drawing on their of experiences -Use knowledge of products to help of with ideas -Develop and communicate ideas by talking and drawing -Model ideas by ematerials, compoin and construction in		wn f existing ome up d cploring nents	-Select from a range of tools and equipment -Select from a range of materials and components according to their characteristics	-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	-Say what pro -Say who pro -Know what p for	ducts are for	-Talk about their design ideas and what they are making -Make simple judgements about their products and ideas	
Yr1	Food			Mechanisms Struct				Textiles	
	-Know that all food comes from plants or animals -Know that a healthy diet comprises food and		levers, s -Make a	product that moves using liders or linkages. product that moves using and axles -Make a freestanding struct walls and towers -Know how freestanding st be made stronger, stiffer and stronger and stronger.		by glueing ructures can		duct and join materials together	



	Desig	gning		Ma	king		Eva	aluating	
Yr2	Contexts, Users and Purpose Generating, development of modelling a communicating		ind		Practical skills and techniques	Existing	Products	Own ideas and products	
	-Work confidently within a range of contexts, such as imaginary, story-based, home, school, gardens, playgrounds, local community, industryDescribe 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		f existing ome up s by g kploring tents kits and tes and	-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	-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	-Know how p used -Know where might be used -Know what r products are -Say what the dislike about	products d naterials made from y like and	-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	
Yr2	Food			Mechanisms	Structures	Structures		Textiles	
	1			product that moves using and axles	-Make a freestanding structure that has a framework -Know how freestanding structures can be made stronger, stiffer and more stable		-Make a 3-D textiles product that is assembled from two identical fabric shapes		



KS2

					NJZ					
Yr3	Desi	gning			Ma	king			Evalu	uating
	Understanding contexts, users and purposes Generating, developing, modelling and communicating ideas		F	Planning	Practical Skills and techniques		Existing products, key events and individuals		Own ideas and products	
	-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 -Develop their own design criteria and use these to inform their ideas	through of -Model the prototype pieces -Use anno communi	d clarify ideas liscussion neir ideas using es and pattern otated sketches to cate their ideas e realistic ideas	task -Select ma componer the task	ols and t suitable for the terials and its suitable for main stages of	components with some accuracy -Assemble, join and combine materials and		-Know about an inventor, designer, engineer, chef or manufacturer who has developed ground-breaking products -Know who designed and made the products -Know where products were designed and made -Know why materials have been chosen -Know what methods of construction have been used		-Identify the strengths and areas for development in their ideas and products -Refer to their design criteria as they design and make
Yr3	Food		Mechanis	sms Struc		tures		Textiles		Electrical Systems
	-Know that food is grown, reared and caught in the UK, Europe and the wider world -Know how to prepare and cook a variety of predominantly savoury dishes safely and hygienically including the use of a heat source -Use a range of techniques such as peeling, chopping, slicing, grating, mixing, spreading, kneadingKnow that a healthy diet is made up from a balance of different food and		ns such as id pivots,	-Make a product strong, stiff, shel as a gift box	et that has a -Make a p ell structure such piece of fa		Textiles Product using a single abric to make a 3D auch as a bag or pencil			



drink, as depicted in The eatwell plate

Yr4	Desi	gning			Ma	king			Evalu	uating
	users and purposes modelling		ing, developing, Planning delling and unicating ideas		ing	Practical Skills and techniques		Existing products, key events and individuals		Own ideas and products
	range of contexts, such as the home, school, leisure, industry and outdoors -Describe the purpose of their products -Develop their own design criteria and use these to inform their ideas -Gather information about the needs and wants of particular individuals and groups through of -Model the prototype pieces -Use annoted develop a ideas -Generate focusing of the user -Make de take accounts		d clarify ideas discussion neir ideas using es and pattern otated sketches to and communicate e realistic ideas, on the needs of sign decisions that unt of the ey of resources	-Select tools an equipment suit task -Select materia components su the task -Order the main making	able for the Is and itable for	-Measure, mark of and shape mater components with accuracy -Assemble, join a combine materia components with accuracy -Apply a range of techniques, inclu from art and designments accuracy	rials and n some and als and n some f finishing ding those	-Know about an invent designer, engineer, che manufacturer who has developed ground-breaking produ-Know who designed a made the products -Know where products were designed and ma-Know when products designed and made -Know why materials heen chosen -Know whether product on be recycled or reus	icts nd de were ave	-Identify the strengths and areas for development in their ideas and products -Consider the views of others, including intended users, to improve their work -Refer to their design criteria as they design and make -Use their design criteria to evaluate their completed products
Yr4	Food		Mechar	nisms	St	ructures		Textiles		Electrical Systems
	-Know that food is grown, reared and caught in the UK, Europe and the wider world -Know how to prepare and cook a variety of predominantly savoury dishes safely and hygienically including the use of a heat source -Know how to use a range of techniques such as peeling, chopping, slicing, grating, mixing, spreading, kneading and baking -Know that a healthy diet is made up		ns such as	-Make a product that has a -Make ch as strong, stiff, shell structure piece		piece of fa product su	-Make a product using a single piece of fabric to make a 3D product such as a bag or pencil		ke a product that contains a ble electrical circuit to create nctional product	



from a balance of different food and	
drink, as depicted in The eatwell plate	

Yr5	Desig	gning			Maki	ng			Evaluating		
	Understanding contexts, users and purposes	me me	Generating, developing, modelling and communicating ideas		Planning		s and s	Existing products, key events and individuals		Own ideas and products	
	-Work confidently within a range of contexts, such as the home, school, culture, enterprise, industry and the wider environment -Indicate the design features of their products that will appeal to intended users -Identify the needs, wants, preferences and values of particular individuals and groups	through of -Model the prototype pieces -Use annoted and cross drawings their idea -Generate	d clarify ideas discussion neir ideas using es and pattern otated sketches e-sectional to communicate as e innovative ideas, on research	materials a according properties qualities -Produce a of tools, ed materials t -Formulate	duce appropriate lists ols, equipment and components and components as as a guide to making techniques, including those from art and design		d shape mble, e / a 3 dding	have developed ground-breaking products -Know what methods of construction have been used -Know how well products work -Know how well products achieve their purposes -Know how well products meet user needs and wants -Know how much products cost to make -Know how innovative products are		-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	
Yr5	Food		Mechanis	sms Struc		tures		Textiles	E	lectrical Systems	
	-Know that seasons may affect the food available -Know how food is processed into ingredients that can be eaten or used in cooking -Know how to prepare and cook a variety of predominantly savoury dishes safely and hygienically including the use of a heat source -Know how to use a range of techniques -Know that different food and drink			t -Make a product that looks at r pulleys how to strengthen and reinforce combin		e a 3D product using a ination of fabric shapes incorpor electrica		product that htes more complex circuits and nts to make it functional			



contain different substances –		
nutrients, water and fibre – that are		
needed for health		

Yr6	Design	ning			ſ	Making		ı	Evaluating		
	Understanding contexts, users and purposes Generating, developing, modelling and communicating ideas		Pla	nning	Practical Skills and techniques		Existing products, key events and individuals		Own ideas and products		
	-Work confidently within a range of contexts -Explain how particular parts of their products work -Carry out research, using surveys, interviews, questionnaires and web-based resources -Develop a simple design specification to guide their thinking	prototype pieces -Use anno cross-sec and explo develop a their idea -Use com design to communi -Generate drawing of -Make de taking acc	puter-aided develop and cate their ideas e innovative ideas, on research sign decisions,	-Explain their choice of materials and components according to functional properties and aesthetic qualities -Produce appropriate lists of tools, equipment and materials that they need -Formulate step-by-step plans as a guide to making		-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		who have developed ground-breaking products -Know what methods of construction have been used -Know how well products work -Know how well products achieve their purposes -Know how well products meet		-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 -Consider the views of others, including intended users, to improve their work	
	Food		Mechanis	ms	5	Structures		Textiles	E	lectrical Systems	
	-Know that seasons may affect the food available -Know how food is processed into ingredients that can be eaten or used in cooking -Know how to prepare and cook a variety of predominantly savoury dishes safely			to strengthen and reinforce a 3D combin		combin	a 3D product using a ation of fabric shapes a shopping bag or hat	incorpora electrical	oroduct that ates more complex circuits and ants to make it functional		



