

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Design	Generate ideas by	Generate ideas by	Share and clarify	Share and clarify	Describe the purpose	Describe the purpose
•	drawing on their own	drawing on their own	ideas through	ideas through	of their products	of their products
	and imaginary	and imaginary	discussion	discussion	indicate the design	indicate the design
	experiences	experiences			features of their	features of their
			Use annotated	Use annotated	products that will	products that will
	Explain what products	Explain what products	sketches and	sketches and	appeal to intended	appeal to intended
	they are making, who	they are making, who	exploded diagrams to	exploded diagrams to	users	users
	they are for and their	they are for and their	develop and	develop and	explain how	explain how
	purpose	purpose	communicate ideas	communicate ideas	particular parts of	particular parts of
					their products work	their products work
	Explain how they	Explain how they	Describe the purpose	Design the purpose of		
	have made their	have made their	of their products	their products	Carry out research to	Carry out research to
	products suitable for	products suitable for		indicate the	identify the needs	identify the needs
	the user or purpose	the user or purpose	Make design	design features of	and preferences of	and preferences of
			decisions that take	their products that	individuals	individuals
	Use simple design	Use simple design	account of the	will appeal to	develop a simple	develop a simple
	criteria to develop	criteria to develop	availability of	intended users	design specification	design specification
	their ideas	their ideas	resources	gather information		
				about the needs of	Share and clarify	Share and clarify
				individuals and	ideas through	ideas through
				groups	discussion	discussion
				generate realistic	model ideas using	model ideas using
				ideas focusing on the	prototypes	prototypes
				needs of the users	use annotated	use annotated
					sketches, drawings	sketches, drawings
				Develop their own	and exploded	and exploded
				design criteria and	diagrams to develop	diagrams to develop
				use these to inform	and communicate	and communicate
				their ideas	their ideas	their ideas
				make design	generate realistic	generate realistic
				decisions that take	ideas focusing on the	ideas focusing on the
				account of the	needs of the user	needs of the user



		T S	Technology Flogres	•	maka dasian	maka dasign
				availability of	make design	make design
				resources	decisions taking into	decisions taking into
					account resources	account resources
					available	available
Make	Follow procedures for	Follow procedures for	Select tools and	Select tools and	Select tools and	Select tools and
	safety and hygiene	safety and hygiene	equipment suitable	equipment suitable	equipment for the	equipment for the
			for the task	for the task	task	task
	Use a range of	Use a range of				
	materials including	materials including	Select materials and	Explain their choice of	Explain their choice of	Explain their choice of
	construction	construction	components suitable	tools and equipment	tools and equipment	tools and equipment
	materials and	materials and	for the task	in relation to the skills	select materials and	select materials and
	mechanical	mechanical		and techniques they	components suitable	components suitable
	components	components, textiles	Order the main stages	will be using	for the task	for the task
	measure, mark out,	and food	of making			
	cut and shape			Order the main stages	Explain the choice of	Explain the choice of
	materials and	Measure, mark out,	Follow the	of working	material taking into	material taking into
	components	cut and shape	procedures for safety	measure, mark out,	account their design	account their design
	- Components	materials and	and hygiene	cut and shape	account then design	account then accign
		components	and nygicine	materials and		
		Components	1	materials and		



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	assemble, join and combine materials and components Use finishing techniques	Assemble, join and combine materials and components Use finishing techniques		components with some accuracy assemble, join and combine materials and components with some accuracy apply a range of finishing techniques with some accuracy	Formulate step by step plans as a guide to making follow procedures for safety and hygiene accurately measure, mark out, cut and shape materials accurately assemble, join and combine materials accurately apply a range of finishing techniques Demonstrate resourcefulness when	Formulate step by step plans as a guide to making follow procedures for safety and hygiene accurately measure, mark out, cut and shape materials accurately assemble, join and combine materials accurately apply a range of finishing techniques Demonstrate resourcefulness when
Evaluate	Talk about their design ideas and what they are making make simple judgements about	talk about their design ideas and what they are making make simple judgements about	Identify the strengths and areas for development in their ideas and products	Identify the strengths and areas for development in their ideas and products consider the views of	range of finishing techniques Demonstrate	range of finishing techniques Demonstrate
	their product and ideas against the design criteria	their product and ideas against the design criteria explore what they like and dislike about products (their own and existing	Consider the views of others to improve their work Use their design criteria to evaluate their completed products	others to improve their work Refer to the design criteria as they design and make	others to improve their work critically evaluate the quality of the design, manufacture and fitness for purpose of their products as they design and make	others to improve their work critically evaluate the quality of the design, manufacture and fitness for purpose of their products as they design and make



		Designant	i recillology Frogres	SIGIT IVIUP	•	
		2 33.611 4110	Investigate how well products have been design and made Investigate why materials have been chosen Measure, mark out, cut and shape materials and components with some accuracy Assemble, join and combine materials and components with some accuracy	Use their design criteria to evaluate their completed products Investigate how well products have been design and made Investigate why materials have been chosen	evaluate their ideas and products against their design specification Investigate other products, materials and features To know about inventors, designers and engineers who have developed ground breaking products	evaluate their ideas and products against their design specification Investigate other products, materials and features To know about inventors, designers and engineers who have developed ground breaking products
Technical Knowledge	Know about the movement of levers, sliders, wheels and axels Know how freestanding structures can be made stronger or more stable Use correct technical vocabulary for the	Know that a 3D textile produce can be assembled Use correct technical vocabulary for the projects they are undertaking	To use learning from science and maths to help design and make products To know that materials have both functional and aesthetic qualities To know how simple electrical circuits and components can be	To know that materials can be combined and mixed to create more useful characteristics To use the correct technical vocabulary for the projects they are undertaking	Know how materials can be combined Use correct technical vocabulary for the project that is being undertaken	Know how materials can be combined Use correct technical vocabulary for the project that is being undertaken To make a 3D textile product



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The state of the s	ndertaking		used to create functional products	To know how to make strong structures To make a 3D textile product		
Nutrition co	now that food omes from plants or nimals lame and sort foods nto the five groups	Know that food comes from plants or animals Know that food has to be farmed, grown elsewhere or caught Name and sort foods into the five groups Know that everyone should eat at least five portions of fruit and vegetables every day how to prepare simple dishes without using a heat source Use techniques such as cutting, peeling and grating	Know that to be active and healthy, food and drink are needed to provide energy for their body.	Know that food is grown, reared and caught in UK, Europe and the Wider World Know how to prepare and cook a variety of dishes safely and hygienically, and where appropriate use a heat source use a range of techniques (peeling, chopping, grating, mixing, kneading and baking) Know that to be active and healthy, food and drink are needed for energy and should be balanced	To know that the seasons affect available food To know how food is processed into ingredients To know how to prepare and cook a variety of predominately savoury dishes safely and hygienically To know how to use a range of techniques for preparing food To know that different food and drinks contain different substances	To know that the seasons affect available food To know how food is processed into ingredients To know how to prepare and cook a variety of predominately savoury dishes safely and hygienically To know how to use a range of techniques for preparing food To know that different food and drinks contain different substances



			that are needed for health	that are needed for health
Vocabulary				