



#### Design and Technology at Gosberton Academy

Through our Design and Technology Curriculum, we aim to inspire our learners to create a range of structures, mechanisms, electrical systems, textiles and food products with a real-life purpose for our ever-changing world.

Whilst undertaking a variety of cross-curricular projects, learners are taught to investigate and evaluate existing products. Children then select and use appropriate tools safely and effectively to make a product whilst developing particular knowledge and skills. They are also encouraged to consider the effectiveness of their designs and provide constructive feedback to others when working as part of a team.

We have invested highly in developing a precise, progressive sequence of knowledge and skills which we feel our children need to be taught in DT. These are developed across our year groups, to ensure the children 'progression ready' by the end of Primary and have a wealth of knowledge and skills to aid them in their future studies.

When children leave us, they will understand how technology has impacted our lives now, in the past and into the future.



#### Teaching Mixed-Age Classes

Our teachers recognise that mixed aged teaching can be a challenge and they constantly adapt their approach to teaching and learning. They demonstrate a high level of flexibility and organisation to ensure that their provision caters for both age groups and includes all learners.

Mixed Aged classes generate a family of learners who support and care for each other. Older children have the opportunity to help others and be a leader, supporting younger learners to play and learn. At the same time, the older child is increasing an independence and competence.

At Gosberton Academy, we recognise learning happens individually, in small groups and as a whole class. Keeping children engaged, motivated and focused ensures they will learn regardless of the class they are in.

We have in place robust transition procedures which starts at the planning process, where teachers work collaboratively. Good communication across classes fosters curriculum continuity. Teachers share information to ensure learners start confidently in their new class.

#### Our Vision, Values and Aims

Gosberton Academy aims to provide a high-quality, <u>exceptional</u> education with first-hand learning experiences that are able to motivate and stimulate all learners. All learners will recognise the importance of the community in which they are educated and understand that the Academy is based at the heart of the community, bringing a <u>togetherness</u> of all stakeholders.

- · All learners and families will feel supported and integrated into the school life.
- Every learner, regardless of their life experiences, can reach their full potential, growing in confidence and being **honest** to themselves.
- Throughout their time at Gosberton Academy, learners will become independent, <u>resilient</u> life-long learners that are <u>aspirational</u>, aiming to become the best they can be, including their time after Gosberton Academy.









Exceptional - Exceptional behaviour, effort, attitude, progress and opportunities



We take pride in everything that we do

we show
respect to
everyone in our
School and
community

We aspire to reach our dreams and strive for excellence

We are tolerant towards other people's views and opinions

always try our best

## Gosberton

## Goals

We show
exceptional
behaviour around
school

We are enthusiastic about our learning

We are honest and always tell the truth

We are committed to making our school a better place

together and support each other

#### <u>Long Term Plan</u>

2021 – 2022 CYCLE A								
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
EYFS + Y1	Structures		Cookery		Electrical Circuits			
Y1 + Y2	Structures		Cookery		Electrical Circuits			
Y3 + Y4	Cooking		Levers		Frame Structures			
Y4 + Y5	Coo	king	Frame Structures		Pulleys			
<b>Y6</b>	CAMS and Fra	CAMS and Frame Structures		Textiles				

2021 – 2022 CYCLE B									
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2			
EYFS + Y1	Textiles		Levers		Cookery				
Y1 + Y2	Textiles		Levers		Cookery				
Y3 + Y4	Axels, Wheels & Frame		Magnetism		Cookery				
Y4 + Y5	C.A	CAD		Cooking					
<b>Y6</b>	CAMS and Fra	me Structures	Textiles Digit		Digital Control				

### THE DESIGN CYCLE



#### D & T Progression- Designing

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Work within different contexts such as story- based, home, school, playground.	Work within a range of contexts e.g. bridges, boxes	Work confidently within a range of contexts.	Work confidently within a range of contexts, such as the home, school, leisure and industry.	Work confidently in a range of contexts.	Work confidently in a wide range of contexts.	Work confidently in a wide range of contexts.
Generate ideas from existing examples.		State what products they are designing and making.	Describe the purpose of their products.	Describe the purpose of their products.	Describe in detail, the purpose of their products.	Describe in detail, the purpose of their products.
Begin to talk about what they want to make, the processes that may be involved and materials and resources they may		Say whether their products are for them- selves or other users.	Indicate design features of their products.	Indicate design features of their products that will appeal to intended users.	Indicate design features of their products that will appeal to intended users.	Indicate design features of their products that will appeal to intended users.
need.	Describe what their products are for.	Describe what their products are for.	1	Gather information about the needs and wants of individuals or groups.	Gather information about the needs and wants of individuals or groups.	Gather information about the needs and wants of particular individuals and groups.
	Use existing knowledge to generate their own original designs.	Say how their products will work and how they're suitable for intended users.	Develop their own design crite- ria.	Develop their own design criteria and use this to inform their ideas.	Develop their own design criteria and use this to inform their ideas.	Develop their own design criteria and use this to inform their ideas.
	Begin to develop and communi- cate ideas by talking and draw- ing.	Use simple design criteria to help develop their ideas.	Share and clarify ideas through discussion.	Share and clarify ideas confi- dently, through discussion.		Carry out research e.g. surveys, interviews, questionnaires and web-based resources, to identify users' needs, wants and preferences.
		Generate ideas by drawing on their own experiences.	Model ideas using prototypes.	Model ideas using prototypes and pattern pieces.	Develop a simple design specification to guide their thinking.	Develop detailed design specifications to guide their thinking and planning.
		Use knowledge of existing products to help come up with ideas.	Use annotated diagrams and some computer- aided design packages, to develop and communicate ideas.	Use annotated sketches, some cross-sectional drawings and computer-aided design packages, to develop and communicate ideas.	Share and clarify ideas confidently, through discussion.	Share and clarify ideas confidently, through discussion.
		Develop and communicate ideas by talking and drawing.	Generate realistic ideas, focus- ing on the needs of the user.	Generate realistic ideas, focus- ing on the needs of the user.	Model ideas using prototypes and pattern pieces.	Model ideas using prototypes and pattern pieces.
		Model ideas by exploring materials, com- ponents, constructions kits and by mak- ing templates and mock-ups.	Begin to take account of the availability of resources.	Make design decisions that take account of the availability of resources.		Use annotated sketches, cross- sectional drawings, exploded diagrams and computer-aided design packages, to develop and communicate ideas.
		Use information and communication technology, where appropriate, to develop and communicate their ideas.			Generate realistic ideas, focus- ing on the needs of the user.	Generate realistic ideas, focusing on the needs of the user.
					1	Make design decisions that take account of the availability of resources.
					Generate innovative ideas from prior research.	

D & T Progression- Making

Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Plans by suggesting what to do next.	Plans hii siiaapstina what to ao npyt	Select tools and equipment suitable to the task.	equipment suitable to the	1	Confidently select tools and equipment suitable to the task.
Begins to follow safety pro- cedures.	Selects from a range of tools, materials and components.	Selects from a range of tools, materials and components according to their characteristics.	Explain their choices.	, ,	,	Explain their choices, giving evidence.
Selects from a range of ma- terials and components and adapts work where neces- sary.	Follows procedures for safety and hygiene.	Explains their choices.	Selects some materials and components suitable to the task.	Selects materials and components suitable to the task.	Selects materials and compo- nents suitable to the task.	Selects materials and components suitable to the task.
	Uses a range of materials, components, construction kits, textiles, food ingredients and mechanical products.		Order the main stages of making.	making in logical steps	tools, equipment and materi-	Produce appropriate lists of tools, equipment and materials that they will need.
Selects tools and techniques needed to shape, assemble and join materials they are using.	Measures, marks out, shapes and cuts most materials.	inents construction bits textues tood	Follow procedures for safety and hygiene.		Order the stages of the making process, in logical steps.	Order the stages of the mak ing process, in logical steps.
		Measures, marks out, cuts and shapes a range of materials and components.	tiles, mechanical, construc-	ID A TOVILIOS MOCHANICAL CAN-	Formulate step-by-step plans as guide to making.	Formulate step-by-step plan as guide to making.
		Assembles, joins and combines materials and components.	Measures, marks out, cuts and shapes materials and components with some accuracy.	KILLO SHODES HIGHERIOUS OHIO	Follow procedures for safety and hygiene.	Follow procedures for safety and hygiene.
		including those from art and design	Assembles, joins and combines many materials with some accuracy.	Accurately assembles, joins and combines most materials.	e.g. textiles, mechanical, con- struction kits, electrical and	Use an extensive range of materials and components e.g. textiles, mechanical, cor struction kits, electrical and food ingredients.
			Applies some finishing tech- niques.	ishing techniques	and shapes materials and	Measures, marks out, cuts and shapes materials and components with accuracy.
					inna compinas most matari-	Accurately assembles, joins and combines materials.

#### D & T Progression- Evaluating

Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Begin to talk about their design ideas and what they are making.	Talk about their design ideas and what they are making.	II AID ANAIIT THOIR ADSIAN IADAS ANA	areas for development in		Identify the strengths and areas for development in their ideas and products.	Confidently identify the strengths and areas for development in their ideas and products.
Think about how to make their products better.	their products better	Make simple judgements about their products and ideas against design criteria.	Consider the views of others.	others, including intended users, to improve their	Consider the views of others, including intended users, to improve their work.	Consider the views of others, including intended users, to improve their work.
Begin to explore what products are, who they are for, how they are used, where they are from.	Explore what products are, what they are made from, who they are for, how they are used, where they are from.		criteria as they design	criteria as they design	Refer to their design criteria as they design and make.	Refer to their design criteria as they design and make.
	dislikes of existing	Explore what products are, what they are made from, who they are for, how they are used and where they might be used.	evaluate their completed	_	evaluate and improve	Use their design criteria to evaluate and improve their completed products.

#### D & T Progression- Technical Knowledge

Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Learners recognise that a range of technology is used in places such as homes and schools.	nlaces such as homes and	Learners understand the working characteristics of materials and components.	mathematics to help design and make products that	Learners use learning from science, mathematics and other subjects to help design and make products that work.	_	Recognise that materials can be combined and mixed to create more useful characteristics.
They select and use tech- nology for particular pur- poses.		They know about the movement of simple mechanisms such as levers, sliders, wheels and axles.		They understand that materials have functional and aesthetic qualities.	Mabo strona stitt sholl	Know that mechanical and electrical systems have an input, process and output.
They show an interest in toys with buttons and mechanisms.	ichow, an interest in tolls	Recognise that food ingredients should be combined according to their sensory characteristics.	Recognise that materials can be combined and mixed to create more useful characteristics.	Apply this thinking suc- cessfully to their own prod- ucts.	itome ciich de iovore and	Make strong, stiff shell structures for a purpose.
Begin to know about the simple working characteristics of materials and components.	Learners understand the simple working characteristics of materials and components.	Understand how freestanding structures can be made stronger, stiffer and more stable.	Know how mechanical systems such as levers and linkages create movement.	ican no compinoa ana mivoa	shape can be used to make	Recognise a wide range of fresh, pre-cooked and pro-cessed foods.
Begin to understand the movement of simple mechanisms such as levers, sliders and wheels.	of simple mechanisms such as levers, sliders, wheels	Recognise that 3D textiles products can be assembled from two identical fabric shapes. (e.g. Christmas Stocking)	Make strong, stiff shell structures.	Know that simple electrical circuits and components can be used to create functional products.	precooked and processed	Explore more complex electrical circuits and components.
Know that food ingredients should be combined according to their sensory characteristics.	dients should be combined	Use the correct technical vocabu- lary for projects	precooked and processed	itame a a came nillialle or	3D framework	Program computers and devices to monitor changes in the environment and control their products. (Solar powered vehicles)
		Know that simple electrical circuits and components can be used to create functional products.		· · ·	1	Reinforce and strengthen a 3D framework.
		•		Know that a single fabric shape can be used to make a 3D textile product.	substituting one or more	Recreate and adapt existing and new recipes by adding or substituting a range of ingredients.
				Recognise a range of fresh, precooked and processed foods.		

#### D & T Progression- Cookery

	Key Stage 1			V <sub>ell</sub>	Stage 2		
1) use the basic principle	es of a healthy and varied diet to p	wangwa diahaa			rinciples of a healthy and varied diet		
	es of a nearing and varied diet to perstand where food comes from	repure disties	2) prengre o			a techniques	
2) anaerstana where jour comes from			2) prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques 3) understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed				
Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Food is farmed, grown elsewhere or	Food is farmed, grown elsewhere	Food is farmed, grown	Know that food is farmed,	Know that food is farmed, reared,	Know that food is farmed, reared,	Know that food is farmed,	
caught and is then sold in shops.	or caught.	elsewhere (e.g home), im-	reared, grown elsewhere (e.g.	grown elsewhere (e.g. home, al-	grown elsewhere (e.g. home, allot-	reared, grown elsewhere (e.g.	
		ported or caught.	home), imported or caught	lotments), exported, imported or	ments), exported, imported or caught.	home, allotments), exported,	
		_	locally, regionally and inter-	caught. This can be on a local,	This can be on a local, regional and	imported or caught. This can be	
			nationally.	regional and international scale.	international scale.	on a local, regional and inter-	
						national scale.	
Begin to name and sort foods into	Name and sort foods into the	Name and sort foods into	Recognise that a healthy diet		Know that a healthy diet is made up of		
the five groups in 'The Eatwell	five groups in 'The Eatwell	the five groups in 'The	is made up of a variety and		a variety and balance of different foods		
Plate.' (Healthy eating)	Plate.' (Healthy eating)	Eatwell Plate.'	balance of different foods and	picted on 'The Eatwell Plate.'	and drinks, as depicted on 'The Eatwell		
			drinks, as depicted on 'The Eatwell Plate.'	picted on The Ediwell Plate.	Plate.'	drinks, as depicted on 'The Eat- well Plate.'	
Understands the importance of a	Begin to recognise that everyone	Begin to recognise that	Begin to understand appropri-	Begin to understand appropriate	Know appropriate portion sizes and	Know appropriate portion sizes	
healthy diet. Begin to recognise that	should eat at least five portions	everyone should eat at	ate portion sizes for regular	portion sizes for regular meals		and understand the importance	
everyone should eat at least five por-	of fruit and vegetables every	least five portions of fruit	meals and healthy snacks.	and healthy snacks. Understand	ping meals, including breakfast. Are	of not skipping meals, includ-	
tions of fruit and vegetables every	day. (Healthy eating)	and vegetables every day.	Begin to be able to read and	the value of eating sociably .	able to use information on food labels	ing breakfast. Are able to use	
day. (Healthy eating)			understand food labels	Begin to be able to read and un-	to inform choice (Healthy eating)	information on food labels to	
				derstand food labels		inform choice	
Start to prepare simple dishes. With	Prepare some simple dishes.	Prepare a range of simple	Knead and shape dough in to	Assemble and arrange ingredients	Use hands to shape mixtures in to	Assemble, arrange and layer	
help, use hands to shape dough in to	With supervision, use a small	dishes. With help and su-		for simple dishes (e.g. apple crum-	evenly sized pieces (e.g. burgers)	more advanced dishes (e.g. ap-	
simple shapes (e.g. salt dough)	table knife for spreading soft	pervision, assemble and	Use a rolling pin to roll out	ble, scrambled egg on toast)	Use a rolling pin to roll out dough to	ple sponge pudding, shepherd's	
With supervision, use biscuit cutters	spreads on to bread	arrange cold ingredients	dough to a specific thickness	Coat food with ingredients such	an accurate size and thickness (e.g.	pie)	
to cut shapes With help and supervision, put to-	Use hands to shape dough in to small balls or shapes . Sift flour	(e.g. sandwich, fruit ke- babs, bruschetta)	(e.g. scones) Use biscuit cutters accurately.	as beaten egg and breadcrumbs for fish cakes	1	Spread food evenly with a coating, paste or glaze. With super-	
gether cold ingredients		Use a rolling pin to flatten	Combine using a sieve, flour,	Independently spread ingredients	Confidently crack an egg	vision, whisk using an electric	
With help, sift and mix flour into a	Mix, stir and combine liquid and	and roll out dough. With	raising agents and spices to-	accurately onto foods. Mix, stir	With help, begin to separate eggs	hand mixer (e.g. eggs)	
bowl	dry ingredients (e.g. muffins)	help, use hands to rub fat	gether in to a bowl	and combine wet and dry ingredi-	Use finger tips to rub fat into flour to	With supervision, cream fat	
Mix, stir and combine a small		into flour (e.g. rock buns)	Crack an egg and beat with	ents uniformly (e.g. to form a	make fine 'bread crumbs' (e.g. cheese	and sugar together using an	
amount of cold ingredients in bowl		With help, crack an egg	balloon whisk	dough)	straws)	electric hand mixer	
(e.g. fruit salad)		and beat using a fork		Use hands to rub fat into flour		With supervision, use a food	
				Cream fat and sugar together		processor or electric hand	
				using a mixing spoon		blender to mash, blend or puree	
		W 1 : ''	W 1 :			hard ingredients or hot food	
Know how to use a range of tech-	Know how to use a range of			,	Know how to use a wide range of tech-	Know how to use a wide range	
niques with support: With close su- pervision, and physical guidance	techniques with support: With close supervision, use the bridge	range of techniques :With close supervision, and	of techniques With supervi- sion, begin to use the claw	techniques With supervision, begin to peel	niques With supervision, confidently use both the bridge hold and claw grip	of techniques With supervision, finely grate hard foods (e.g.	
when necessary, use the bridge hold		physical quidance if nec-	grip to cut harder foods using	harder food (e.g. apple, potato)	to cut the same food using a serrated	zesting, parmesan cheese)	
		essary, peel harder food	a serrated vegetable knife (e.g.	With supervision, cut foods into		With support, use a can opener	
(e.g.	ple pieces)	(e.g. apple, potato)	carrot)	evenly sized strips or cubes (e.g.	With supervision, confidently peel	and open ring-pull tins	
strawberries)			With supervision, begin to use	peppers, cheese)	harder food using a peeler (e.g. apple,	With supervision, confidently	
With close supervision and physical	claw grip to cut soft foods using	a melon baller to core an	both the bridge hold and claw	With supervision, crush garlic	potato)	use the claw grip to cut harder	
guidance, crush or mash cold food in	a serrated vegetable knife (e.g.	apple	grip to cut the same food us-	using a garlic press	With supervision, dice foods and cut	foods using a serrated vegeta-	
a bowl	tomato)	With close supervision,	ing a serrated vegetable knife		them into evenly sized, fine pieces (e.g.	ble knife (e.g. carrot)	
Peel fruit using their hands	With close supervision, mash	grate soft food using a	(e.g. onion)	food using a grater (e.g. apples,	garlic, vegetable batons, herbs)		
Tear food to divide it (e.g. lettuce leaves, fresh herbs)	cooked food (e.g. potatoes with a masher)	grater (e.g. cheese) Drain away liquids from	With supervision, use a masher to mash hot food to a fairly	carrots)			
Begin to drain away liquids from	With close supervision, peel soft	packaged food using a	smooth texture				
packaged food using a sieve or colan-	vegetables using a peeler (e.g.	sieve or colander (e.g. tu-	Sillootit texture				
der (e.g. tuna or sweet corn)	cucumber)	na or sweet corn)					
Are able to use cutlery to eat a meal		Use a lemon squeezer					
Use a table knife for spreading	into evenly sized largish pieces						

#### D & T Progression- Cookery

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Count the quantity of food	Use measuring spoons for	Use measuring spoons for liq-	Begin to independently use a		Accurately use a jug to measure	Accurately use a jug to measure
	liquids, solids and dry ingre-		jug to measure liquids	Begin to use digital weighing scales	liquids	liquids
(e.g. 6 grapes, 2 carrots)	dients.		With adult supervision begin to		•	Accurately use weighing scales
Measure using a spoon		to use jugs measure liquids.	use digital weighing scales			
Understand that food that	Can follow basic food safety	Can follow basic food safety	Know and can follow basic	Know and can follow basic food safe-	Are able to independently get ready	Are able to independently get rec
has been dropped on the	rules when preparing and	rules when preparing and	food safety rules	ty rules	to cook:	to cook:
floor, touched with dirty	cooking food	cooking food	Understand how bacteria in	Understand how bacteria in food can		
•	With supervision take part in	3 3	food can cause food poisoning	cause food poisoning or food to go	Tie back long hair	Tie back long hair
should not be eaten and	simple clearing up tasks	simple clearing up tasks such	or food to go mouldy	mouldy	3	
can make people ill	such as clearing and clean-	as clearing and cleaning ta-	Know how to get ready to	Know how to get ready to cook:	Wash and dry hands	Wash and dry hands
Understand that some foods		bles, collecting and disposing	cook:		Ğ	J
need to be washed before	disposing of rubbish,	of rubbish,		Tie back long hair	Wear a clean apron	Wear a clean apron
they are safe to eat (e.g.	sweeping the floor	sweeping the floor	Tie back long hair		•	·
fruits and vegetables)	With supervision get ready	With supervision get ready to	_	Wash and dry hands	Remove jewellery and nail varnish	Remove jewellery and nail vari
Vith help and supervision get	to cook:	cook:	Wash and dry hands	_	Demonstrate good food safety prac-	Demonstrate good food safety pi
ready to cook:			_	Put on a clean apron	tices when getting ready to store,	tices when getting ready to sto
	Tie back long hair	Tie back long hair	Put on a clean apron		prepare and cook food (e.g. keep raw	prepare and cook food (e.g. ke
Tie back long hair		_		Remove jewellery and nail varnish	meats away from other food)	raw meats away from other fo
	Wash and dry hands	Wash and dry hands	Remove jewellery and nail	With guidance follow procedures for		Know, and can follow, food saf
Wash and dry hands			varnish	clearing up such as washing and		rules and understand their purp
	Put on a clean apron	Put on a clean apron	With guidance follow proce-	drying utensils, clearing and clean-		Can independently follow prod
Put on a clean apron		Understand how everyday	dures for clearing up such as	ing tables, sweeping the floor,		dures for clearing up
With help and supervision,		foods are stored differently to	washing and drying utensils,	disposing of rubbish, putting equip-		
take part in simple clearing		ensure they are safe to eat	clearing and cleaning tables,	ment away		
up task		(e.g. fridge or freezer)	sweeping the floor,	Understand how a variety of foods		
s such as clearing and clean-			disposing of rubbish, putting	are stored differently to ensure they		
ing the tables			equipment away	are safe to eat (e.g. fridge or freezer)		
			Understand the value of eating	Understand the value of eating so-	Understand the main food groups	Understand the main food grou
	1 *	water and drinking water reg-	sociably	ciably		and the different nutrients that
each day, brushing our teeth		ularly	Understand the importance of	Understand the importance of keep-	important for health	important for health
twice a day. (Healthy eating)		Understand the importance of	keeping hydrated	ing hydrated		Understand the importance of k
	of regular meals and healthy	, ,	Begin to understand appropri-	Understand how to keep teeth	ing hydrated	ing hydrated
	snacks	snacks	ate portion sizes for regular	healthy		
		Understand the types of food	meals and healthy snacks			
		that can affect the health of				
		teeth				
Although children will not be		Although children will not be	With help and supervision,	With help and supervision, begin to	With help and supervision, begin to	
cooking hot food, children	be cooking hot food, children		begin to use a toaster or micro-	use a toaster or microwave (e.g.	use the hob or electric saucepan	use the hob or electric saucepo
should understand how hot	should understand how hot	should understand how hot	wave (e.g. scrambled eggs)	scrambled eggs)	(wok or stock pot) to cook simple	(wok or stock pot) to cook sim
food is cooked safely by ob-	food is cooked safely by ob-	food is cooked safely by ob-	l	With very close supervision, and	dishes (e.g. burgers, soup)	dishes (e.g. burgers, soup)
serving adults using	serving adults using	serving adults using	Although learners will not be	physical guidance when necessary,	Although learners will not be put-	Although learners will not be p
the hob, oven, toaster and /		the hob, oven, toaster and / or	cooking food on the hob or in	handle hot food safely; once adults	ting in or removing food from the	ting in or removing food from
or microwave	or microwave	microwave	the oven learners should un-	have removed food from	grill or oven they should understand	grill or oven they should unde
Be able to prepare food for	Be able to prepare food for	Be able to prepare food for	derstand how to use them safe-		how to use the grill and oven safely	
baking with help such as	baking and frying such as	baking and frying such as	ly by observing	Although learners will not be cooking	by observing adults	safely by observing adults
greasing a baking tray, put-	greasing baking tins and	greasing baking tins and add-		food on the hob or in the oven learn-		With supervision, handle hot fo
ting cake cases into a bun	adding oil to frying pans /	ing oil to frying pans / sauce-	putting in and removing food	ers should understand how to use		safely using oven gloves to care
tray	saucepans	pans	from the oven	them safely by observing		ly remove cooked food with a f
				adults cooking on the hob and put-		slice from a baking tray on to
				ting in and removing food from the		cooling rack
				oven		
				Use oven gloves and a fish slice to		
				remove food (e.g. scones) from the		
				baking tray		

D & T Progression- Cookery

			regreeser	<del></del>		
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
scribe the taste of food, recog- nise familiar food in recipes. Understand that recipes are in- structions on how to make	Recognise a range of familiar ingredients (e.g. vegetables, dairy, eggs)  Describe the taste of a range of ingredients  Identify what they like and dislike about the food they have cooked and how to improve its taste	Recognise a range of familiar ingredients (e.g. vegetables, dairy, eggs) Describe the taste of a range of ingredients Identify what they like and dislike about the food they have cooked and how to improve its taste Follow simple recipe instructions, either in simple sentences or using pictures	Recognise and name a broad range of ingredients (e.g. cereals, meat, fish Use simple food descriptors relating to smell, flavour, texture and appearance Know where and how a variety of ingredients are grown Read and follow a simple recipe	Recognise and name a broad range of ingredients (e.g. cereals, meat, fish Use simple food descriptors relating to smell, flavour, texture and appearance Know where and how a variety of ingredients are grown Identify what they would do differently next time to improve what they have made Read and follow a simple recipe	Know an extensive range of ingredients and how these are grown (e.g. beans, pulses, tropical fruits, vegetables) Identify how they would change the recipe to improve the food they have made Use a range of food descriptors relating to smell, flavour, texture and appearance Confidently read and follow a recipe	Know an extensive range of ingredients and how these are grown (e.g. beans, pulses, tropical fruits, vegetables)  Identify how they would change the recipe to improve the food they have made  Use a range of food descriptors relating to smell, flavour, texture and appearance  Compare different versions of the same dish and identify how they would change the recipe next time  Confidently read and follow a recipe
Begin to recognise that food comes from plants or animals. E.g. milk from cows (Consumer awareness)	, ,	Know that all food comes from plants or animals and can identify some foods from each group and understand how they are grown Aware that some food packaging has labels giving information	or farmed and changed to make it safe and palatable / tasty to eat Understand that people have different views on how food is produced and that this influences the food they buy Begin to be able to read and	Understand that food is caught or farmed and changed to make it safe and palatable / tasty to eat Understand that people have different views on how food is produced and that this influences the food they buy Begin to be able to read and understand food labels	Understand some of the basic processes to get food from farm to plate Understand some of the ethical dilemmas associated with the food people choose to buy Are able to use information on food labels to inform choice	Understand some of the basic processes to get food from farm to plate Understand some of the ethical dilemmas associated with the food people choose to buy Are able to use information on food labels to inform choice and can explain their reasoning behind what choices they might make for example the traffic light system on food packaging of fat content how does this influence their decision and why?
	the food we eat (e.g. celebra- tions, preferences) and can link	link this to R.E topics/	food we choose to eat (e.g. who we are with, season, cost, health, occasion) Links to R.E festivals, Geography - different	Understand that there are a variety of influences on the food we choose to eat (e.g. who we are with, season, cost, health, occasion) Links to R.E festivals, Geography - different cultures and history - cost for example rationing	(cultural expectations).	Understand some of the ethical di- lemmas associated with the food people choose to buy - how this may differ from country (cultural expectations). Understand social influences on the food we choose to eat (e.g. media, peer pressure, eth- ics)
Linking cookery to science to understand the Lifecyle of a bean plant/potato. To plant seeds and care for the plants understanding what recipes they can then be used for in future	Planting	Planting	Planting	Planting/growing	(Consumer awareness) To plan to grow a vegetable considering the impact of seasonality	Begin to know that seasons and weather affect food availability. (Consumer awareness) To plan to grow a vegetable considering the impact of seasonality

#### D & T SMSC Links

We promote <u><b>Spiritual</b></u>	We promote <u>moral</u>	We promote <u>social</u>	We promote <u>cultural</u>
development	development	development	development
Spiritual development is very important in DT as the process of creative thinking and problem solving lies at the centre of the subject. Children's ability to think creatively and show innovation can be inspirational to others but also increase their own self confidence and belief in their own abilities	By we encouraging our learners to consider the moral and ethical dilemmas raised during the planning process. For example the impact on the environment through the choices of materials are made or the opportunity to consider sustainable or environmentally acceptable materials	By teaching the children that they have a collective responsibility to ensure they contribute to a safe working environment where the use of tools and equipment are involved. There is the opportunity to work collaboratively with a partner or take turns in a small group which requires effective social interaction and at times compromise.  Children have the opportunity for peer evaluation and to act as a critical friend to give supportive comments to improve learners learning outcomes.	DT often originates from an idea or artefact and to develop a wider cultural awareness we explore our past heritage as well as investigate and use as our stimulus foods, textiles, pottery and sculptures from different cultures and periods of time. For example, Benin textiles, , Greek pottery and food from different countries and cultures.

**British Values:** At Gosberton Academy, we use strategies within the national curriculum and beyond to secure an understanding of British Values for learning. We weave the British Values throughout all of our lessons. A high proportion of class based work sees the value of mutual respect woven throughout the lessons. From sharing ideas, celebrating good work, valuing others contributions, or discussions and debates – mutual respect is key. Teachers and staff aspire to create classroom environments where respect and tolerance are highly prioritised.



### D&T at Gosberton



















"It's so much fun evaluating existing work and they work and products to see how they were made."

products to see how they were made."

products to see how they were made."

year 6

"The most exciting part of our D&T week was when we got to design our own secret spy lamps using Crumble.

We even got to crack each other's codes!"

"We made to use a saw. We hariots and sed to do to be really safe."

"We made Roman Chariots as and solution we had to be really safe."

# What do we love about D&T at Gosberton?

"D&T gives us skills we will need when we are older, like chopping, peeling and mashing."

Year 5

SBERTOZ

"We made a magnetic made learnt in Science to help us

"We used CAD to build a replica of tricky

"We used CAD to build a replica of tricky

Shakespeare's globe. It was tricky

Shakespeare's globe. It was tricky

when we finally

when we finally

but so satisfying when we finally

anaged to complete it!"

year 6

Exciting
Entry & Exit Points

Teamwork: Discussing &

Negotiating

Practical equipment:

Needles, knives, saws, hammers, scissors, constructing clay etc.

Use of Technology- CAD
Design, See-Saw,

Engagement

Home learning projects & Parent Showcase

Practical life experiences

Cooking, using tools, knitting and sewing etc. Theme Days & Workshops

Clubs

Cross curricular links: Reading, Writing,

Maths & Science



Progressive

Curriculum building on prior knowledge

Enquiry based lessons

Quizzes, Questioning and Quick fire challenges

Retrieval based activities

# Capturing Our Knowledge

Application of knowledge through cross curricular

Learning by Questions

Knowledge Organisers

Transition preparation for Secondary School

Use of technology to record learning

