

Year 7 Overview 2025-26 – <i>D&T</i>								
Date	Wk	Week	Units Studied (12 weeks - 6 double lessons) & Learning Outcomes	Key Concepts & Assessment				
			taught in a rotation 3 units contained in 6 double					
Each u	ınit cont	ains a SoL	to accompany the lesson by lesson Powerpoint w	vith teachers notes and resources that will be required.				
Tues 2-Sep ^{\$}	Α	1	Timbers and Polymers	Parent and Carers month/Black History month				
8-Sep	В	2		3/9 World afro day 23/9 International day of sign languages				
15-Sep*	Α	3		10/10 World mental health day				
22-Sep	В	4		5/10 World teachers day 6/10 World cerebral palsy day				
29-Sep	Α	5		o, 10 World Cerebral palsy day				
6-Oct	В	6		⁵ Tuesday Y7 only. Wednesday- whole school				
13-Oct	Α	7		*INSET day Friday				
20-Oct	В	8						
Half-Term								
3-Nov	Α	9		Men's health awareness month/disability confident month 1/11 Diwali				
10-Nov	В	10		12/11 Remembrance Sunday				
17-Nov	Α	11		13/11-19/11 Transgender awareness week				
24-Nov	В	ST1		14/11 World Diabetes Day 1/12 World AIDS day				
1-Dec	Α	ST1		25/12 Christmas Day				
8-Dec	В	14	Textiles	ST1 – CORE ONLY				
15-Dec	Α	15						
			Christmas Holiday					
5-Jan	В	16		LGBT+ History month				
12-Jan	Α	17		27/1 Holocaust memorial day				
19-Jan	В	18		1/2 World Hijab Day				
26-Jan	Α	19		6/2-12/2 Children's mental health week. 7/2 Safer internet day				
2-Feb	В	20		10/2 Chinese New Year				
9-Feb	Α	21						
	T		Half-Term					
23-Feb	В	22		Women's history month Ramadhan begins 17/2				
2-Mar	Α	23		21/3 World Down Syndrome Day				
9-Mar	В	24		31/3 Transgender Day of visibility				
16-Mar	Α	25						
23-Mar	В	26	Food Preparation and Nutrition	*Finish Wednesday 1st April				
30-Mar*	Α	27						
	_		Easter Holiday					
20-Apr	В	28		Good Friday 3/4 Easter Sunday 5/4 Autism and stress awareness month.				
27-Apr	Α	29		Autism and stress awareness month. 25/4 World Malaria Day				
4-May*	В	30		26/4 Lesbian visibility day				
11-May	Α	ST2		UK national walking month. 1/5-7/5 Deaf awareness week				
18-May	В	ST2		23/05 Vesak *Bank holiday Monday				
Half-Term								
1-Jun	Α	33		LGBTQ+ pride month.				
9-Jun	В	34		Gypsy, Roma and Traveller history month. 12/6 world day against child labour				
16-Jun	Α	35		18/6 autistic pride day				
23-Jun	В	36		20/6 World refugee day				
30-Jun	Α	37						
7-Jul	В	38						
14-Jul	Α	39						

Project1	Timbers and Poly	/mers - Animal penci	l holder	Key learning outcomes
5x2hr	Prior	Current	Future learning	Workshop safety
essons	Lesson 1 - Introduction to wo	rkshop, Materials, H&S and tools a	nd equipment	Materials knowledge, properties, grouping, forms of supply, tools and equipment.
16330113	Life experiences of materials	An introduction to using	An understanding of how	The design process
	Some recall from MC.	the workshops, hand	to follow the design	Ability to draw in oblique to build simple 3D drawings
	students Life experiences of tools	and power tools.	process	Use their imagination
	used with the family.	Introduce polymer and	Yr10/11	Ability to produce a range of workable ideas To render drawings to look like the materials (communication skills)
	The design process if this is not the first unit.	Timber sources and material groupings	Understanding of how to design. knowledge of how	
	Some H&S knowledge if this	Properties of Pine and	materials can be used, cut,	Producing templates Have used a range of tools and two materials including marking out, cutting with 2
	is not the first unit.	Acrylic and reasons for	formed etc and their	different methods, shaping using 3 different power sanders, rasps, files, acrylic edg
		choice.	limitations.	finishing, mechanical polishing
		Material origins and	Their ability to creatively	Be able to name all basic workshop equipment
		uses finite resources.	use the materials with a	Know what a standard component is
		Learning the names of tools and equipment.	continually developing competence.	Quality control and assurance.
		The Design process	competence.	Construction
		(introduction or recap)		Reflection on learning.
	Lesson 2 - Introduction to	oblique drawing and Renderi	ng.	Understand the properties of the materials and the ways it can be utilised.
	Basic drawing skills,	Key aspects of for filling	Continued understanding	Be able to understand how they could improve and develop their skills.
	control of pencils and	a brief	of the design process in	be able to understand now they could improve and develop their skins.
	colour	Gathering useful research.	next units and through school.	Links to history and culture:
		Oblique drawing	Oblique drawing methods,	Early man using timber
		methods, rendering,	rendering, annotation in all	Tool names and their origin/ history
		annotation.	years	Development of polymers in 50's local history of ICI
				Sustainability/recycling
		manufacturing aids and work		- Sustainasinty/: coyoning
	Use of scissors,	Accurate working on	Yr 8 Clocks developing 3D	Subject links:
	measurement, estimation	manufacturing aids. Production methods	material usage. Yr 9 independent use of	Maths measurement
	estimation	using a range of tools	the workshop.	History development of materials
		and two materials	Their personal skill level	Thistory development of materials
			and ability to work the	
			material	
	Lesson 4 – Developing pro		1 - 1 - 1	Careers that can be discussed:
	Understanding for	Finishing skills, quality checks and	Quality control each	Designer- how they work for commissions.
	'quality' pride in their work	standards/quality	prototype, as a consumer. Meeting wants and needs	Tradesmen's use of materials
	WOIK	control.	of clients.	Product designer (everything is designed by somebody)
				Engineer
	Lesson 5 – Working with a	crylic and assembly methods.		Toymaker
	Putting parts together,	Assembly of the	Use of standard	
	processes, lego, models etc.	product.	components, yr 7 pencil case yr 8 clocks, and	
	Some have experienced	Using standard components	electronics Standard joins	Key words for their learning (Apart from equipment names):
	low temp glue guns.	Use of hot glue gun and	yr 9. GCSE NEA and exam.	
		finishing skills.	Life skills, repair, recycle.	Commission
				Prototype
		luation and reflection on skill		Evaluation
	Some awareness of the	Evaluation of own	Within each project and	Component
	word in wider context	learning and further skill development.	enable to give it on work of others both peers and	Quality control
		development.	work of professionals.	Skill acquisition.
		l	,	
	Good			
		ugh the process, produce	ed a prototype and can	
			ues they have learnt about.	
			,	How will we know they have learnt it?
	Better			
		cess they have been thro	ough to help them produce	Practical evidence. (recorded through photographs in their book)
		idea; it is well make show		Questioning throughout lessons
			ipment that they have used	End of year exam
		. They show confidence in		Understanding/familiarisation at the start of the next unit.
		.,	9 · · · · · · · · · · · · · · · · · · ·	Evaluation process.
	Excellent			
	Materials understanding	and knowledge is very go	ood they understand where	
	_		select material for certain	
		and the process they have		
	,	, ,	very well made and often	
		has been applied. They o	•	
		e used and explain what		
	confidence to use the eq	'	,	
		, ,		

Project	Textiles – Culture in	nfluenced pencil case		Key learning outcomes
6 x 2hr	Prior (KS2)	Current (Year 7)	Next (Year 8 and 9)	Workspace health and safety
lessons		workspace, H&S and tools an		Naming of tools and equipment and describing their functions How to initially set up a sewing machine correctly and safely.
10330113	Possibly some basic	H&S safety in a textiles	Year 8 and 9 - recall	Naming parts and functions of the sewing machine.
	understanding of textile equipment from KS2 i.e.	room and working safely. Tools and	knowledge of working in a Textiles room including	Practice use of sewing machine (without thread) to develop accuracy and control.
	needle and thread.	equipment. How to set	tools and equipment,	Threading up a sewing machine correctly and how to use with thread. The design process – what is a design brief and how to write own specification.
		up a sewing machine correctly and safely.	setting up of a sewing machine	Computer skills used to gather symmetrical imagery to produce a repeat pattern.
	Lesson 2 - Introduction to	using the sewing machine, th		Students to use mirroring and rotating techniques to make the design more complex.
	Setting up a sewing	Function of parts on a	Year 8 – Threading up a	Students design based on a culture, link to form names.
	machine. Recall tools and	sewing machine. How to set up and use a sewing	sewing machine. Accuracy and control when creating	Use of their imagination and creativity. Understand volumes of production (one off, batch & mass) giving real life examples,
	equipment.	machine using basic	samples. Independent use	comparing to level of production for pencil cases.
	H&S	shapes to follow. Threading up the sewing	of tools and equipment.	Use of manufacturing aids for accurately measure and cut fabric and give examples of
		machine (top and		manufacturing aids used in textile production. Have used a range of tools and equipment including marking out using a template,
		bobbin). Sew with thread in a straight line.		cutting with fabric scissors, using a heat press to transfer repeat pattern design, using
		n brief and specification. Crea		an overlocker, using pins to secure zip, using a sewing machine to produce basic
	Possible some basic understanding of a	Introduce what is a design brief and	Year 9 – More emphasis on design process – create	decorative and construction techniques. Be able to name tools and equipment used in the Textiles workspace.
	design criteria from KS2	specification to create a	own design brief and	Know what a standard component is and what they are using during manufacture.
		repeat pattern design idea using computer	iterative design. Encourage independent	Quality control and assurance.
		skills (Google drawings).	use of tools and	Reflection on learning through diary of making. Be able to understand how they could improve and develop their skills.
		Look at how designers have produced repeats	equipment.	Links to GCSE D&T Specification
		patterns. Look at repeat		3.2.8 Specialist techniques and processes – tools, equipment and processes. An
		pattern designs in different cultures. Use of		introduction to a range of tools and equipment used in the textile area. Set up and use
		a heat press to transfer		of sewing machine.
		to fabric. Understanding different types of		3.3 Designing and making principles Health and safety within a workshop. 3.3.3 The work of others How designers have used repeat patterns.
		production and what we		3.2.6 Stock forms, types and sizes Efficient material use, pattern spacing and
	Lesson 4 – Creating basic of	are using for prototype. construction and decorative t	echniques.	minimising waste when using templates. Understanding different types of standard
	Possible use of pattern	Use manufacturing aids	Progress towards a more	components in textiles (zip, buttons etc.) 3.2.7 Scales of production students to understand they are manufacturing a
	pieces at KS2 Setting up a sewing	and using fabric scissors for the first time.	complex prototype – Year 9 - develop more complex	prototype.
	machine and threading up. Functions of a	Choosing a variety of decorative stitches on	construction and decorative techniques,	4.4.4.2 Section B: Producing a design brief & specification students given design brief,
	sewing machine. Use of	prototype to enhance	encourage independent	construct specification from brief. 4.4.4.3 Section C: Generating design ideas Students create a design idea for prototype
	tools and equipment. H&S.	design further. Understanding the	use of tools and equipment.	using publisher.
	по.	function of an	equipment.	4.4.4.5 Section E: Realising design ideas Manufacture of pencil case.
		overlocker to create sample and overlock		4.4.4.6 Section F: Analysing & evaluating Green sheet assessment, evaluation of pencil case, good points and improvements.
		pencil case. Reflection		Links to history and culture:
		on learning through diary of making.		Manufacturing industry.
	Lesson 5 – Developing con	struction techniques - insert		Textile products they own.
	Setting up a sewing machine and threading	Continue using the overlocker. Inserting a	Year 9 – independent use of the overlocker.	Designers that have created repeat patterns. Repeat patterns in different cultures.
	up. Functions of a	fastening (zip). New skill	Use of sewing machine to	Researching a culture to base designs on.
	sewing machine. Use of tools and equipment.	of how to pin zip to fabric. Understanding	produce new type of fastening, better	Subject links:
	H&S.	what is a standard	understanding of standard	CCM – Google drawings
	Use of an overlocker.	component. Reflection on learning through	components.	Art – Repeat patterns
		diary of making.		Maths – Measurements, lines of symmetry History/Geography/RS – Cultures
	Lesson 6 – Continual deve Evaluation.	lopment of construction tech	niques – plain seam.	Careers that can be discussed:
	Use of pins for	Use basic construction	Year 9 – More detailed and	Dressmaker/Tailor
	construction technique. Setting up a sewing	technique plain seam, to complete assembly of	developed evaluation and analysis of final prototype.	Textile Designer Fashion designer
	machine and threading	final prototype.	Follow GCSE specification	Sewing Machinist
	up. Functions of a sewing machine. Use of	Reflection on learning through diary of	to develop design process, construction and	Pattern Cutter
	tools and equipment.	making. Evaluation of	decorative techniques	Textile Technician
	H&S.	final prototype.	ready for GCSE.	Interior Designer Teacher
	Good			Vocabulary Tier 2
			ion from a design brief and can ills to produce a simple repeat	Construction, Decorative, Evaluation
		ame textile based products u		Vocabulary Tier 3 Design brief, Manufacturing aids, Prototype, Quality control, Repeat pattern,
	control is applied when man	ufacturing prototype.		Specification, Standard component, Volumes of production
		sign process, why we need to	use a brief and specification.	How will we know they have learnt it?
			nread up with some assistance. ern for design idea. Largely be	Diary of making – reflection on learning
	able to use tools and equipm	nent independently with some	confidence and name them all.	Homework – H&S symbol, fabric products found around the home. Practical evidence (recorded through photographs in their book)
	Understand different volume applied to the manufacture of		turing aids. Quality control is	Questioning throughout lessons
	Excellent			End of year exam
			naming of parts and functions nachine independently. A more	Understanding/familiarisation at the start of the next unit. Evaluation process.
	complex design idea is made	with a clear repeating patter	n using a wider range of	Feedback given by a WWW and an EBI on repeat patterns. Students to adapt designs based on this.
		trol is applied throughout the uracy. Deeper understanding	manufacturing process. Use volumes of production, able to	Evaluation of final prototype. Feedback given by a WWW and an EBI based n prototype construction and design.
		ne level used to manufacture		Common Misconceptions
				Calling the bottom thread 'Bobbin'.
				Confusing pins with needles. Not putting the presser foot down before sewing.
				Pinning the zip incorrectly.
				Repeat pattern images not extending past the page.
				Repeat pattern images too big.

Project Food Preparation and Nutrition -Hygiene and Safety, Equipment and Basic Skills.

6 x 2hr lessons

Prior	Current	Links to future tasks
Lesson 1 - Introduction to	safe working practices in the	Food room.
Possible small amount of baking at KS2 (domestic based kitchen if any) Life experiences – dependant on home circumstances and knowledge – usually baking if any.	Correct terminology of equipment and processes. Introduction to basic skills – peeling, use of digital scales. Complete potato peeling investigation - first investigation task (GCSE link).	Recall of equipment and its uses, weighing and measuring in year 8-11. Investigation Tasks for GCSE.
Lesson 2 - Fruit Salad Pract		Leonardona (O. e.) (C.
Peeling. Basic use of the room.	Use of room for first time, chopping using bridge hold and claw grip, slicing and dicing, washing fruit, enzymic browning.	Five a day and the Eatwell guide – GCSE and life knowledge. Preparation skills used throughout year 7-11. Enzymic browning (GCSE).
Lesson 3 - Introduction to	the "Eatwell Guide"	•
Possible small amount discussed at KS2 – can be outdated using the "Food pyramid" or "Eatwell plate". Often conflicting view with what is eaten at home.	Introduce the Eatwell guide – health experts and the government recommendations for eating a balanced diet. Emphasis on not good and bad foods but foods we should be eating more of than others.	GCSE and life knowledge. Governments "Balance of Good Health" regulations.
Lesson 4 - Oat Crunchies P	ractical	
Healthy eating guidelines. Health and safety in the practical room. How to work with a partner during practical. Use of digital scales.	Accurate measuring. Rubbing in method. Adding liquids to form a dough. Use of oven.	Use of rubbing in method for different doughs in year 8-11 including pastry and scones. Building on types of equipment used.
Lesson 5 - Apple crumble F	Practical	l .
Peeling. Chopping. Rubbing in method. Use of oven. Enzymic browning. Bridge and claw grip.	Recall: Use a corer and peeler safely, use the bridge and claw grip to cut uniform pieces. Use the rubbing in method to make the topping correctly and judge if the crumble is cooked correctly.	Use of the practical room. Use of oven. Use of rubbing in method for different doughs in yea 8-11 including pastry, bread and scones. Building on types of equipment used.
Lesson 6 – Naan bread pra	ctical	
Peeling. Chopping. Bridge and claw grip. Adding liquid to make a dough. Use of the oven.	Emphasis on kneading to give gluten stretch and a smooth dough. Forming, kneading and shaping a dough.	Yr 8 recall use of equipment and room with a promotion of independence. Progress to working with high risk foods. Continue to develop GCSE preparation skills linked with the GCSE curriculum.

Good

Be able to identify small equipment and know how to use sharp equipment safely. Use a peeler, a corer and a sharp knife safely using the claw and bridge grip. Make finished products in the time set. Know large pieces of equipment and how to use them safely, use the oven. Use the rubbing in method and mix ingredients together to make a dough. Shape a dough to make a finished product. Know what the Eatwell guide is and who it is

Be able to identify small equipment and to suggest uses. Know how to use sharp equipment safely and work in a team to peel and use scales. Cut into uniform pieces, know how to prevent browning. Good quality products, made without much assistance from the teacher in the time allowed. Cut and shape a dough uniformly. Judge if the $\,$ products are cooked properly.

Excellent

Be able to identify small equipment and be able to easily suggest uses. Know how to use sharp equipment safely and work in a team to peel and use scales. Cut fruit into uniform $\,$ pieces accurately. A high quality product suitable for sale is produced and work

Key learning outcomes

Be able to work safely and hygienically in a Food room.

Identify small pieces of equipment and know their uses.

Know how to use sharp equipment safely and chop into uniform pieces.

Work in a team to weigh, measure and record findings.

Peel accurately and use a corer.

Know what the claw grip and bridge hold are and how to use them. Control enzymic browning.

How to organise the practical workspace correctly and safely.

Working with a partner during practical sessions.

Use the rubbing in method.

Mix dry and wet ingredients together to form a dough.

Shape uniformly.

Use the oven safely and independently.

Judge if the product is cooked correctly.

Be able to understand how they could improve and develop their skills.

Know what the Eatwell guide is and who it is for.

Reflection on learning through assessment of each practical.

Links to GCSE Specification

3.1 Food Preparation skills

Skill 1: General practical skills - Weigh and measure - Accurate measurement of liquids and solids. Select and adjust cooking times - Select and adjust the cooking process and length of time to suit the ingredient. Test for readiness Use a visual colour check to establish whether an ingredient or recipe is ready.

Skill 2: General knife skills - Fruit and Vegetables - Bridge hold, claw grip, peel, slice, dice and cut into even size pieces.

Skill 3: Preparing fruit and vegetables - peel, segment, de-skin, de-seed and blend whilst demonstrating the technical skills of controlling enzymic browning. Skill 4: Use of the cooker - Using the oven - baking.

Skill 10: Dough - Making a dough (bread). Shaping and finishing, such as bread rolls.

Skill 11: Raising agents - Biological raising agent - Use of yeast in breadmaking.

3.2.3 Nutritional needs and health

3.2.3.1 Making informed choices for a varied and balanced diet - the current guidelines for a healthy diet eg the eatwell guide, how to maintain a healthy body weight throughout life.

Links to history and culture:

Development of manufacturing/retailing of food.

Favourite family foods.

Development of domestic kitchen equipment (potato peeling investigation).

Use of food/recipes from other countries and cultures.

TV chefs and personalities/ TV shows.

Subject links:

Maths - Measurement, fraction, division, ratios.

Science - Healthy eating, digestion (also linked to gluten not just healthy eating), enzymes, function/reactions of ingredients together, use of gas and electricity. EFL - Healthy eating guidelines.

PE - Healthy eating guidelines.

Geography - sourcing of foods, countries of origin.

Careers that can be discussed:

Chef/Baker/Confectioner etc

Dietician/Nutritionist

Farming/Food manufacturing Hospitality and catering

Food technologist

Food journalist

Nurse/Nursey nurse

Key words for their learning (Apart from equipment names):

Emymzic browning

Bridge hold Claw grip

Carbohydrate

Protein

Gluten

How will we know they have learnt it?

Q&A on safety and equipment sort.

Assessment on completion

Constant verbal feedback and EBI's given whilst doing practical activities, record these on their blue sheet.

Homework - Five a day poster, Healthy eating questions.

Practical evidence (recorded through photographs in their book of each practical). Questioning throughout lessons.

End of year exam.

Understanding/familiarisation at the start of the next unit.

Use of incorrect terminology - cooking not food, food tech not FPN, misuse of equipment names. Someone will tidy up for them!