

Design and Technology at Copperfield

Adhesive

Create

Customer

Design

Evaluate

Explore

Fabric

Flexible

Parasol

Pattern

Product

Purpose

Research

Rigid

Successful

Similarities

Sketch

Unsuccessful

Waterproof

Arch

Balance

Beam

Cable

Construct

Design Brief/ criteria

Feedback

Improve

Prototype

Stable

Suspension

Truss

Allergy

Blend

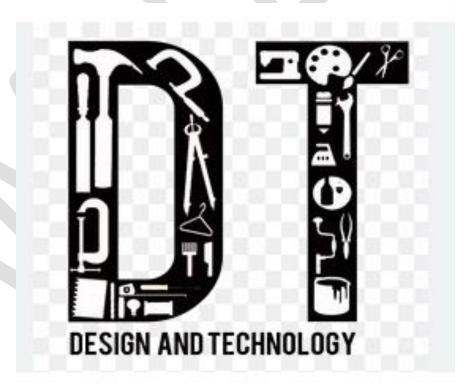
Chopping board

Combine

Healthy

Hygienic

Ingredient



Subject Leadership

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Subject Leaders at Copperfield

- Subject Leaders provide professional leadership for a subject or group of subjects to secure high-quality first teaching, a rich curriculum and the effective use of resources. The success of this will be measured by the impact on learning and progress for pupils.
- We do not expect Subject Leaders to be an 'expert' in the subject they lead. What is important is that they have the overview of what is going well and what needs to be improved based on evidence.
- Subject leaders at Copperfield are part of both the Middle Leadership and the Copperfield Extended Leadership Teams
- Each Subject Leader has an assigned Mentor (from SLT)

All Subject Leaders will

- Be part of our distributed leadership
- Utilise the expertise, passion, pedagogical awareness and strengths of other leadership team members
- Establish a collective responsibility for demonstrating that everyone makes a difference
- Moving the school forward through driving the implementation aspect of each subject
- Professionally develop themselves and other staff team members
- Raise standards across all aspects of the curriculum
- Enrich the curriculum
- Share knowledge, expertise, skill, passion and enthusiasm

How does the role of Subject Leader fit into Copperfield's Ofsted Statement of Action?

The staff, pupils and school community are working on areas identified in the May 2021 Ofsted inspection.

'Leaders are developing their plans to ensure that all areas of the curriculum are equally ambitious and well sequenced. Currently, they are focusing on science and history. Leaders should review existing wider curriculum planning to ensure that essential knowledge is explicitly identified and sequentially mapped out from Nursery to Year 6. For this reason, the transition arrangement has been applied in this case'.

This handbook, along with every other handbook, maps out the sequential curricular links from Nursery to Year 6.

Our Curriculum Statement

Copperfield has an ambitious and aspirational curriculum designed to meet each individual's needs and to give all learners the knowledge and cultural capital they need to succeed in life. Strong teachers have been appointed to key posts within the school. They are aware of national curriculum developments, and pedagogical developments, and a range of strategies are implemented to improve practice, and to better meet the needs of pupils more effectively'

Our Four Drivers, making a well sequenced and ambitious curriculum.

Ethical, informed Individuals.

At Copperfield we aim to build confident, open-minded individuals who feel safe and secure within a caring environment based on mutual respect where everyone is valued and is able to maximise their individual potential. Children from our community may need to develop their self-esteem, confidence and communication skills. An example of this is our comprehensive PSHE curriculum, weekly Values Assembly, and expansive Wellbeing Programme, which all support with self-esteem, independence, perseverance and self-discipline. Our curriculum will also prepare our children to successfully engage with the wider community, as we educate the children on inclusivity and British values. Our 'hands-on' approach

to learning in all areas of the curriculum will ensure the children have many opportunities to practice the traits and values they are learning on a daily basis.

Ambitious Capable Learners (Skills and Knowledge).

Our aim is to make learning exciting, enjoyable, relevant and appropriately challenging to build upon what learners already know. Reading is at the heart of our curriculum, it is central to all that we do. Children will read and enjoy a range of books from a myriad of genres. Enriching the children's vocabulary, knowledge and imagination. We also aim for every child to become confident and competent mathematicians, achievable through our maths mastery approach. Beyond the core subjects, the children's knowledge and awareness of how the wider curriculum, such as the arts, humanities, and sports, can be applied in, and have an impact on, their community will be explored. The children will be able to recite key facts and demonstrate their learning of news skills through various forms of outcomes.

Experiences to Inspire

Aware that children seldom explore beyond their very immediate community, our curriculum is designed to broaden the children's horizon. To inspire. The curriculum will be brought alive through hands-on experiences designed to teach and link new skills and knowledge to prior learning. Where possible, the learning will happen beyond the classroom, either on the school grounds, local community or beyond. To enhance their learning for each topic, the children will meet knowledgeable and engaging individuals (virtually or physically) whilst also immerse themselves in the worlds of craft, art, food and sport – taking the learning of skills and knowledge beyond textbooks and into real life experiences. Reach2's 11b411 has also been embedded into our curriculum, to help enrich the children's learning even further.

Successful in Society

Mindful that some challenges in the local community could have an impact on the children's learning and progress, the school continues to be an outward looking school. Through using the curriculum and resources at our disposal, we openly encourage the parents to engage with, and learn from, the children's curriculum and thus better place them to progress and prosper along with their children. Termly invitations to curriculum days, parent & teacher curriculum conferences and parent workshops with keynote speakers all come together as a package of support, upskilling and development for parents. This level of support for the support network is designed to elevate the standing of education, increase parental engagement and drive progress in the community. Running throughout the curriculum are our values we embed the 6 values in everything we do.

Aligning INTENT, IMPLEMENTATION AND IMPACT to ensure we meet the criteria for a good quality of education in the Education Inspection Framework

INTENT

Our curriculum is:

- deliberately ambitious
- designed to give all learners, particularly the most disadvantaged and SEND or high needs, the knowledge and cultural capital they need to succeed in life
- coherently planned and sequenced towards cumulatively sufficient knowledge and skills for future learning and employment
- broad and balanced, and allows all pupils access to the full range of subjects, throughout all years, from Nursery to Year 6
- successfully adapted to meet the needs of all learners, especially those with SEND, to develop their knowledge, skills and abilities to apply what they know and can do with increasing fluency and independence

IMPLEMENTATION

- 1. Teachers have good subject knowledge of the subject(s) they teach, and leaders support those teaching outside their main areas of expertise
- 2. Teachers:
 - present subject matter clearly, promoting appropriate discussion about the subject matter they are teaching
 - check learners' understanding systematically
 - identify misconceptions accurately
 - provide clear, direct feedback
 - respond, and adapt their teaching as necessary
- 3. Teaching is designed to help learners to remember in the long-term the content they have been taught, and to integrate new knowledge into larger concepts
- 4. Teachers and Leaders:
 - use assessment well to help learners embed and use knowledge fluently, or to check understanding and inform teaching
 - understand the limitations of assessment, and do not use it in a way that creates unnecessary burdens for staff and learners
- 5. Teachers create an environment that focuses on pupils:
 - textbooks and other teaching materials that teachers select in a way that does not create unnecessary workload for staff reflect the school's ambitious intentions for the course of study
 - materials clearly support the intent of a coherently planned curriculum, sequenced towards cumulatively sufficient knowledge and skills for future learning and employment
- 6. Work given to pupils is demanding and matches the aims of the curriculum in being coherently planned and sequenced towards cumulatively sufficient knowledge
- 7. Reading is prioritised to allow pupils to access the full curriculum offer
- 8. A rigorous and sequential approach to the reading curriculum develops pupils' fluency, confidence and enjoyment in reading:
 - At all stages, reading attainment is assessed and gaps are addressed quickly and effectively for all pupils

- Reading books connect closely to the phonics knowledge pupils are taught when they are learning to read
- 9. The sharp focus on ensuring that younger children gain phonics knowledge and language comprehension necessary to read, and the skills to communicate, gives them the foundations for future learning
- 10. Teachers ensure that their own speaking, listening, writing and reading of English support pupils in developing their language and vocabulary well

IMPACT

- 1. Pupils develop detailed knowledge and skills across the curriculum, and as a result achieve well. This is reflected in results from national tests
- 2. Pupils are ready for the next stage of education:
 - they have the knowledge and skills they need to go on to destinations that meet their interests and aspirations, and the course of study
 - those with SEND achieve the best possible outcomes
- 3. Pupils' work across the curriculum is of good quality
- 4. Pupils:
 - read widely and often, with fluency and comprehension appropriate to their age
 - apply mathematical knowledge, concepts and procedures, appropriately for their age

ON A PAGE

Design and Technology at Copperfield Academy

Design and Technology

Intent:

- At Copperfield we want all children to develop a positive attitude towards Design and Technology.
- Children will receive a design and technology curriculum which allows them to exercise their creativity through designing and making.
- Children will be taught to combine their designing and making skills with knowledge and understanding in order to design and make a product.
- Skills will be taught progressively to ensure that all children are able to learn and practice in order to develop as they move through the school.
- Evaluation will be an integral part of the design process and to allow children to adapt and improve their product, this is a key skill which they need throughout their life.
- Children's interests will be captured through theme learning, ensuring that links are made in a cross curricular way, giving children motivation and meaning for their learning.
- Children will learn basic cooking skills.

Implementation:

- Our DT curriculum is shaped by our school vision which aims to enable all children, regardless of background, ability, additional needs, to flourish to become the very best version of themselves they can possibly be.
- We will teach the National Curriculum, supported by a clear skills and knowledge progression. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children.
- All teaching of DT should follow the design, make and evaluate cycle. Each stage should be rooted in technical knowledge.
- The design process should be rooted in real life, relevant contexts to give meaning to learning.
- While making, children should be given choice and a range of tools to choose freely from.
- To evaluate, children should be able to evaluate their own products against a design criteria.
- D&T to be taught in in short integrated blocks.

Impact (Anticipated/expected):

- Children will develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world.
- Children will design and make a range of high-quality products for a wide range of uses/users.
- Children will critique, evaluate and test their ideas and products, and the work of others.
- Children will understand and apply the principles of nutrition and learn how to cook.
- Children learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens.

How is Design and Technology assessed?

A Year 1 child can: Explore a range of existing products to help them to describe how something works and use this to form their own ideas, making use of a simple plan and basic tools. Develop and communicate their ideas through talking, drawing and mock-ups. Build a model, exploring how it can be made stronger, stiffer and more stable. Explore and use lever and slider mechanisms in a product. Understand and use the basic principles of a healthy and varied diet to prepare dishes. Begin to evaluate their work appropriately against design criteria. Use a range of vocabulary e.g. sliders, levers, joins, joints, ingredients, utensils.

A Year 2 child can: Investigate and evaluate the purpose of existing products that are linked to the project. Design a product that is functional and appealing to the user, whilst considering how the product can be realistically made. Build a model using appropriate materials or textiles and components including wheels and axels. Understand the principles of a healthy diet and understand where food comes from. Evaluate their products and ideas against the design criteria. Use a range of vocabulary e.g. seam, template, axel, mechanism, slicing, healthy diet.

A Year 3 child can: Investigate how existing products that are linked to the projects are assembled and what finishing techniques are used. Begin to use research to design a product that is fit for purpose and aimed at a particular group or individual. Make a product using appropriate tools to cut, shape and join materials together with some accuracy. Understand and apply the principles of a healthy and varied diet. Evaluate the product against the design criteria and begin to consider the views of others. Use a range of vocabulary e.g. net, shell structure, fastening, pattern, grating, spreading.

A Year 4 child can: Investigate a range of existing products that already use switches, levers and linkages. Generate and communicate their design ideas using annotated sketches and prototypes. Make a product using materials and electrical components that are selected for their functional properties or aesthetic qualities. To prepare and cook a predominantly savoury dish using some cooking techniques. Evaluate the finished product against the design criteria and begin to communicate their views on whether their product has worked. Use a range of vocabulary e.g. circuit, connection, linkages, pivot, appearance, texture.

A Year 5 child can: Investigate a range of existing products linked to mechanical systems and structures. Use research and existing products to generate, develop and communicate ideas through annotated sketches, diagrams and prototypes. Make a product using mechanical systems such as CAMs or structures that are more complex and have been stiffened or strengthened. To know about cooking and nutritional information whilst celebrating culture through food. Evaluate the finished product against their design criteria and whilst considering the views of others on whether their product has worked. Use a range of vocabulary e.g. CAM, rotary motion, triangulation, nutrition, savoury

A Year 6 child can: Investigate a range of existing textile products and electrical systems and understand how they are appropriate for use. Make annotated sketches to create a design that considers how to realistically create their own product. Make a product using a range of appropriate tools, components and materials that fit the functional properties and aesthetic qualities of the design criteria. To understand cooking and nutritional information whilst preparing a seasonal dish. Use a range of vocabulary e.g. reinforce, functionality, switches, components, seasonality, nutrients

LONG TERM PLAN

		Spring	Summer
Year 1	Under my Umbrella	Under my Umbrella Bridges	
	Samuel Fox designed the paragon umbrella	Name the 5 main types of bridge – Arch, Beam, Cable, Suspension,	Know the importance of working hygienically with food.
	The origin of an umbrella is so old that it cannot be credited to one person and is thought to have developed from the idea of a leaved shelter. How an umbrella is made, and the name of materials used. The purpose of an umbrella – sun & rain Know why hats replaced parasols in the modern world. Name and describe the different types of umbrellas – classic, automatic, pocket, bubble, high wind (storm)	Truss Know the unique features and uses of different bridges The truss bridge is the strongest The suspension bridge can stretch the furthest. Isambard Kingdom Brunel facts and key works. Name materials used to construct a bridge	Early smoothies were made of fruit, fruit juice and ice Smoothie is a thick drink made in a blender. Smoothies usually contain fruit, vegetables, milk, yoghurt or ice cream Smoothies can be a healthy choice. Name different fruits and vegetables Know where different fruits and vegetables are grown Understand the term 'healthy' and the importance of vitamins and
	1		minerals.

Year 2	Terrific Towers	Wonderful World of Wool	Dynamic Dr.aw Bridges
	Circular stone tower in walls of Neolithic Jericho 8000 BC is the first known tower.	Wool is the fibre of a living animal usually a sheep	A drawbridge is a moveable bridge
	known tower.	Wool forms a protective covering that insulates against both hot and	Ancient Egyptians are believed to have made the first drawbridge
	A tower is a tall structure taller than it is wide.	cold.	around 4000 years ago.
	Towers are not built to be habitable but to serve other functions – observation, leisure, telecommunication	Wool fibres are finer, softer and curlier than true hair.	The purpose of a drawbridge – defend cities/ castles, allow ships to pass through urbanised waterways.
		Wool initially repels water and then swells when its membrane is	
	Towers can be used to support bridges	broken.	Name different types of drawbridges (bascule bridge, folding bridge, double-beam bridge)
	Towers can stand alone or be supported but other adjacent buildings	Wool is highly absorbent making it an ideal material for sport socks.	Name and former developed as a Calder Cata & Tarres Bridge
	Name some famous towers – Eiffel Tower,	The two major kinds of cloth made from wool fibres are: worsteds and	Name some famous drawbridges – Golden Gate & Tower Bridge
		woollens	Understand the terms one-leaf and two-leaf system
	Some domestic buildings in the UK are referred to as "tower blocks"		
	even though they are not towers.		

		mygrigit.	
Year 3	Ready to Pop	You've Been Framed	I'm in Love with My Car
	The first popup book was created by a monk named Matthew Paris to	Picture frames typically protect, display and complement the art placed	The automobile was invented and perfected in Germany and France
	calculate the dates of Christian holidays for a period of several years.	inside.	
			Know facts about Henry Ford and how he innovated mass-production
	The term pop-up book is applied to a book with 3- dimensional pages.	One of the earliest picture frames was discovered in an Egyptian tomb.	techniques
		It was used to divide wall paintings from the actual wall.	
	Design and creation of such books is sometimes referred to as 'paper		The 1901 Mercedes, designed by Wilhelm Maybach for Daimler was the
	engineering'	Traditionally picture frames were made of wood.	first modern motorcar.
	Animated books combine three elements: story, coloured illustrations	Picture frames are generally square or rectangular – circular and oval	Know the mechanisms used to make a car move – wheels, axles
	which include text and two or more animated illustrations.	frames are not uncommon.	
			Name similarities and differences for different types of automobiles –
	Know facts about Matthew Reinhart and his work.	Name different types of frames – photo cube, clip frame, digital photo	racing cars, rally cars, trucks
		frame	
	Name suitable materials for a popup book		Understand the difference between the mechanisms of a toy and
		Name suitable materials for a photo frame and understand the concept	regular car.
	Understand the importance of meeting the needs of a target audience.	of sustainability.	
			Know how friction affects the speed of a car.
		Understand why frames are decorated.	
			Name materials used to create axles and wheels and know how they
		Know facts about the interior design company Ikea.	slot together.

		woonen	
Year 3	Ready to Pop	You've Been Framed	I'm in Love with My Car
	The first popup book was created by a monk named Matthew Paris to	Picture frames typically protect, display and complement the art placed	The automobile was invented and perfected in Germany and France
	calculate the dates of Christian holidays for a period of several years.	inside.	
			Know facts about Henry Ford and how he innovated mass-production
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	engineering'	Traditionally picture frames were made of wood.	first modern motorcar.
	Astronaud books are blood books about the second control of the se		Manual transfer and transfer an
	Animated books combine three elements: story, coloured illustrations	Picture frames are generally square or rectangular – circular and oval	Know the mechanisms used to make a car move – wheels, axles
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	Know facts about Matthew Reinhart and his work.	Name different types of frames, whate subsculp frame digital shots	Name similarities and differences for different types of automobiles –
	Know facts adout Matthew Reinhart and his work.	Name different types of frames – photo cube, clip frame, digital photo frame	racing cars, rally cars, trucks
	Name suitable materials for a popup book	Hallic	Understand the difference between the mechanisms of a toy and
	realite suitable materials for a populp book	Name suitable materials for a photo frame and understand the concept	regular car.
	Understand the importance of meeting the needs of a target audience.	of sustainability.	regular car.
	and the state of t		Know how friction affects the speed of a car.
		Understand why frames are decorated.	
			Name materials used to create axles and wheels and know how they
		Know facts about the interior design company Ikea.	slot together.

Year 5	Marble Run	Pinball Wizard	Roving Robots
	Understand the importance of reinforced components.	Know the different types of pinball machines and their uses.	Know the functions of a robotic robot and other mechanical and
	Karan fasta sharet Garana Bharet	No decide a discovere de calculational acceptance de cardon and constitue de c	electrical systems used.
	Know facts about George Rhoads.	Understand how mechanical pinball machines are made and work.	Understand the programme 'Mars Curiosity Rover Programme'.
	Know what a rolling ball sculpture is.	Know the mechanisms used in pinball machines.	
			Understand the job of an engineer
	Know the types of material that are suitable for rolling ball sculptures.	Know facts about David Gottlieb	Know how to construct a program and how to test and troubleshoot.
	Understand how and why we improve our designs.	Know the history of pinball machines and how they have evolved.	now now to construct a program and now to test and troubleshoot.
		Understand the angles required to allow a pinball to reach its maximum potential.	
		Know the components of a pinball machine.	
		Understand the build process of a pinball machine.	

Year 6	Take a Seat	Hats Off to You	Great British Menu
	Understand what an upholstered padded seat is, its historical origins	Understand the structure of a hat	Understand what a menu id and its origins.
	and purpose.		
	Know how a padded seat is made.	Understand the history of a hat and how it has evolved over time.	Know that produce is seasonal
	Know now a padded seat is made.	Know the types of material that are suitable for hat making.	Understand the need for healthy and balanced menus.
	Know which materials are suitable for seat making.		The state of the s
		Know facts about Philip Treacy, Piers Atkinson, Nasir Mazhar, Flora	Understand how flavours work to enhance dishes
	Know facts about Robin and Lucienne Day.	McLean, Justin Smith and Noel Stewart.	Valous facts about Chaf Escofflor and Angela Hastnett
	Know what a logo is and its purpose.	Know how to safely use equipment.	Know facts about Chef Escoffier and Angela Hartnett
	White a logo is and its par post.	The state of the s	Understand the need for a dish to be aesthetically pleasing.
	Understand how to safely use equipment.	Know facts about John Batterson and his style of hat.	
	Manually different board of and address and and board board	Manus have be used a different to an effective and	Understand how food is manufactured and produced.
	Know the different types of seat patterns used and how they have evolved over time.	Know how to make different types of millinery.	Know how to budget for meals.
	evolved over time.	Know what a fashion show is and its purpose.	Niew now to bruget for meas.
	Understand the components and uses of the Lego EV3 core set.		
Manahadam	Know how to write an algorithm.	Assessed	Evilation a

Design and Technology OVERVIEW

Design and Technology Overview - Whole School

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Unit	Knowing Me, Knowing You	Helping Hands	l Need a Hero	Turrets and Tiaras	Down at the Bottom of the Garden	In the Jungle
Early Years	Prior						
	Future						
	Unit	Under my Umbrella (Textiles) Samuel Fox			Structures) rd Brunel	Super Smoothie (Co Richard	
Year 1	Prior	EYFS continuo	us provision	EYFS contin	uous provision	EYFS continuo	us provision
	Future	Y2 Wonderful V	Vorld of Wool	Y2 Tower	s and Castles	Y4 On a	n Roll
	Unit	Terrific Tower			d of Wool (Textiles) Cartwright	Dynamic Draw Bridges Joseph S	
Year 2	Prior	Y1 Bridges		YI Under my Umbrella		Y1 Bridges	
	Future	Y3 You've Been Framed		Y4 Quizzical Quilting		Y3 Ready to Pop	
	Unit	Ready to Pop (Mechanical Systems) Matthew Reinhart		You've Been Framed (Structures) Ikea		I'm in Love with My Car (Mechanical/Electrical) Henry Ford	
Year 3	Prior	Y2 Dynamic Draw Bridges		Y2 Terrific Towers		EYFS continuo	us provision
	Future	YS Pinball Wizard		Y5 M	orble Run	Y4 Create	a Buzz
	Unit	On a Roll (Cooking and Nutrition) Nadiya Hussain			ilting (Textiles) e Walker	Create a Buzz (Mec Joseph	
Year 4	Prior	YI Super Smoothie		Y2 Wonderful World of Wool		Y3 I'm in Lave with My Car	
	Future	Y6 Great Bri	tish Menu	Y6 Take a Seat		Y5 Roving Robots	
	Unit	Marble Run	(Structures)	Pinball Wizard (Mechanical Systems)		Roving Robots (Computing)	
Year 5	Prior	Y3 You've Been Framed		Y3 Ready to Pop		Y4 Create a Buzz	
	Future	Y6 Hats Off to You		KS3		K53	
	Unit	Take a Seat	(Textiles)	Hats Off to You (Structures)		Great British Menu (C	cooking & Nutrition)
Year 6	Prior	Y4 Quizzical Quilting		Y5 Marble Run		Y4 On a Roll	
	Future	KS	3		KS3	KS	3

KEY ASSESSMENT CRITERIA –

	EYFS	Year 1	Year 2	Year 3		Year 4	Year 5	Year 6
National	Children at the expected		functional, appealing products		use research and de		he design of innovative, function	
Curriculum	level of development will:		other users based on design	1		ed at particular individuals or gro		, -,,
	, , , , , , , , , , , , , , , , , , , ,	criteria	,				eas through discussion, annotate	d sketches, cross-sectional and
Pupils should	 Safely use and explore 	generate, develop,	model and communicate their		exploded diagrams, prototypes, pattern pieces and computer-aided design			
be taught:	a variety of materials,	ideas through talki	ng, drawing, templates, mock-	3. select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping,				
	tools and techniques,	ups and, where app	propriate, information and	joining and finishing], accurately				
	experimenting with	communication tec	27		 select from and use a wider range of materials and components, including construction materials, textiles and 			
	colour, design,		a range of tools and			ing to their functional properties		
	texture, form and		orm practical tasks [for	 investigate and analyse a range of existing products evaluate their ideas and products against their own design criteria and consider the views of others to improve 				
	function. example, cutting, shaping, joining and finishing] 2. Share their creations. 4. select from and use a wide range of materials and					and products against their own	design criteria and consider the	views of others to improve
	Share their creations,		e a wide range of materials and fing construction materials,	1	their work		and technology have helped sh	and the sould
	explaining the process		ing construction materials, ients, according to their	1			i and technology have helped shi fen and reinforce more complex:	
	they have used. 3. Make use of props	characteristics	ents, according to their				ducts (for example, gears, pulley	
	and materials when		te a range of existing products				icts [for example, series circuits i	
	role playing		s and products against design		buzzers and motors		ger enample, series encests a	conjuncting statement, cases,
	characters in	criteria					, monitor and control their produ	ects.
	narratives and stories.	build structures, ex	ploring how they can be made	12.	understand and app	aly the principles of a healthy and	d varied diet	
		stronger, stiffer an					y dishes using a range of cooking	
			chanisms [for example, levers,	14.	understand seasons	ality and know where and how a	variety of ingredients are grown	, reared, caught and processed.
	sliders, wheels and axles], in their products.							
			ples of a healthy and varied					
		diet to prepare dist 10. understand where						
		10. Understand where		of the warr	children should kno			
Knowledge	Know how to create and	Recognise and describe	Recognise and construct		ow materials and	Describe how materials and	Describe how materials.	Describe how materials.
and	explain the processes they	basic structures and name a	basic structures and use a		ts are chosen and	components are chosen and	components and computing	components and computing
understanding	have used.	range of materials and	range of materials and	applied to		applied to a specific	programs are chosen and	programs are chosen and
Acquiring and		ingredients.	ingredients.	purpose.		purpose.	applied to a specific	applied to a specific purpose
applying							purpose.	
knowledge to		Name some of the tools,	Describe the materials,		ite, how tools	Demonstrate an		Demonstrate an
inform		techniques and their	components, techniques		chosen to work	understanding and use of	Demonstrate an	understanding and use of
progress		essential purpose.	and processes they have	with should		mechanical and electrical	understanding and use of	mechanical and electrical
		Managina i Garatia di di di di di di	used, using an appropriate	effectively	and with safety	systems	mechanical and electrical	systems
		Name significant individuals and companies that have	vocabulary (for instance, they know the names of the	Name and	describe how and	Demonstrate, how tools	systems	Describe the processes they
		impacted the design and	tools/materials they use)		cant individuals	they have chosen to work	Demonstrate, how tools	are using and how they hope
		technology industry.	todayatc.aus tricy use;	and compa		with should be used	they have chosen to work	to achieve high quality
		, , , , , , , , , , , , , , , , , , , ,	Name significant individuals		he design and	effectively and with safety	with should be used	outcomes
			and companies that have	technology	industry.		effectively and with safety	
			impacted the design and			Name and describe how and		Demonstrate, how tools they
			technology industry.			why significant individuals	Name and describe how and	have chosen to work with
						and companies have	why significant individuals	should be used effectively
						impacted the design and	and companies have	and with safety
						technology industry.	impacted the design and	Name and describe how and
							technology industry.	Why significant individuals
						1		and companies have
								impacted the design and
						1		technology industry.
						1		
				1				
		l .						

VOCABULARY PROGRESSION

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Adhesive	Aesthetic	Animated	Artisan	Cross sectional diagrams	Applique
Create	Architect	Consumer	Consumed	Design element	Cultural
Customer	Durability	Exploded drawing	Cost	Gravity	Embellishments
Design	Free Standing	Function	Flavour	Incline	Foam
Evaluate	Horizontal	Illustration	Flow chart	Kinetic	Graphics
Explore	Mock-up	Linkages	Grind	Reinforce	Logo
Fabric	Model	Process	Knead	Trajectory	Quality Control
Flexible	Specification	Rotating wheel or spring	Pestle & mortar	Viability	Padded
Parasol	Stable	Scale	Profit	Velocity	Print
Pattern	Strength	Sliders	Proving	Arcade	Quarter scale
Product	Structure	Storyboard	Raising	Machine	Traditional
Purpose	Technical drawing	Accuracy	Scoring	Obstacle	Upholstered
Research	Three Dimensional	Adaptation	Shaping	Pinball	Upholsters
Rigid	Vertical	Appealing	Soda	Tabletop	Wadding
Successful	Dye	Bench hook	Staple food	Target audience	Apparel
Similarities	Felt	Butt joint	Wheat	Automatic	Brim
Sketch	Fibres	Clamp	Yeast	Engineer	Complex Structures
Unsuccessful	Fleece	Concept	Alter	Landing site	Construction
Waterproof	Functionality	Dimensions	Availability	Mechanical	Milliner
Arch	Insulate	Hardwood	Cloth	Preliminary	Pattern Pieces
Balance	Loom	Interior Design	Cotton	Programable	Product Design
Beam	Market research	Join	Configurations	Robotic	Reinforce
Cable	Natural/synthetic	Mitred butt joint	Fashion	Rover	Stiffen
Construct	Originality	Modify	Finish	Sequential plan	Style
Design Brief/ criteria	Plait	Risk assessment	Geometric	Troubleshoot	Cuisine
Feedback	Pre spun	Safety Goggles	Hexagon		Dish
Improve	Raw	Softwood	Panel		Food preparation
Prototype	Spin	Technique	Quilt		Garnish
Stable	Stitch (names of stitches)	Timber	Quilted		Grate
Suspension	Template	Axle	Quilters		Menu
Truss	Thimble	Analyse	Reflect		Processed
Allergy	Weave	Annotated diagram	Sew		Reared
Blend	Worsted	Automobile	Tessellate		Review
Chopping board	Wool	Chassis	Textile		Savoury
Combine	Woollen	Compare	Texture		Seasoning
Healthy	Bascale Bridge	Disassemble	Trends		Seasonality
Hygienic	Double- beam Bridge	Dismantle	Component		Simmer
Ingredient	Drawbridge	Dowel	Earth		Systematically

OVERVIEW OF SUBJECT/MONITORING/PROGRESSION/COVERAGE AND OUTCOMES

- Has the school made the objectives of their curriculum clear for your subject?
- Does the school's curriculum for your subject align with national policy and statutory requirements?
- How do you know your curriculum is working? Can you demonstrate how you know?
- Why is the curriculum right for the children in your school at this time?
- What are the strengths of your current subject curriculum?
- What are the areas of the curriculum that might need development?
- How effectively are curriculum policies and plans translated into practice?
- Is the same importance given to all foundation subjects?
- How is the curriculum delivered across each year group and across key stages, ensuring progress in skills, knowledge and understanding from different starting points?
- How is progress and attainment measured?
- How are pupils given opportunities to apply basic skills in your subject?
- Where is the evidence of pupils' SMSC development?
- What is the impact of the curriculum in your subject on the pupils' outcomes?