




Design Technology in the Early Years- Reception

Term Topic	Area of Learning	Concepts		
		 Innovate Finding out about what already exists and how things work <small>Innovate</small>	 Technique Using a range of skills and tools to design and make <small>Technique</small>	 Evaluate Evaluate success of own and others' design <small>Evaluate</small>
Reception Autumn 1 Family	CL			-Use the regular and some irregular past tense verbs to describe events or actions that occurred in the past. -Learn conjunctions and use them to connect one idea or action to another.
	PD	-Describe a recipe that they prepare at home with their family.	-Handle construction materials safely and with increasing control and intention. -Show an understanding of the need for safety when tackling new challenges and consider and manage some risks. -Develop their fine motor skills so that they can use a range of tools competently, safely and confidently.	-Describe a range of different food textures and tastes when cooking and notice changes when they are combined or exposed to hot temperatures.
	L	-Recipes include: title, what you need, ingredients, method, numbered instructions. -Learn how to find out information from non-fiction texts.		
	UW	-A sukkah is made up of at least three walls and a roof of unprocessed natural vegetation.		
	EAD	-Use a range of media independently to express their feelings.	-Select from and use a range of tools and equipment to cut, join and combine materials and components.	-Comment on their own and other's creative work, explaining what they like about it. -Edit and improve their creative work using materials and tools over extended periods of time.
	CL			-Learn expressions for agreeing and disagreeing.

Reception Autumn 2 Changes				-Learn to distinguish between facts and opinions. -Opinions tell us what someone thinks or believes. An opinion has no proof and can change from person to person. -A preposition is a word that tells you where or when something is in relation to something else. -Examples of prepositions include words like after, before, on, under, inside and outside. -Learn negation words and how to respond to questions which require negatives.
	PSED		-Show confidence in choosing resources to extend their play. -Persevere in carrying out a chosen activity. Know when and how to ask for support if they find the activity challenging. -Learn how people store food safely at home in cupboards, fridges and freezers.	-All people have the right to an opinion and for it to be listened to and taken seriously. -Understand different points of view and learn how to challenge their own and others' thinking. -Learn the names of traditional winter vegetables and why they contribute to a healthy diet.
	PD		-Use simple tools to effect changes to materials. -Explore mark-making using a variety of tools. -Explore malleable materials safely and with increasing control and intention. -Develop their fine motor skills to manipulate different materials. -Learn how to fasten zips in clothing (coats). -Understand that knives are not toys, but are tools that need to be used safely. -Learn how to hold a knife safely to cut food (not to put their pointer finger on the top of the blade, tuck their thumb behind their fingers on their food-holding hand and round all their fingertips back like a claw). -Understand the connection between their hands and their eyes. Manipulate puzzle pieces to complete a puzzle accurately.	
	L			-A list is a series of names, numbers, or things placed one after another in a written form.

	UW	<ul style="list-style-type: none"> -Identify clothing that is suitable for all weather conditions and understand why it is necessary. -Different materials have different features, or properties, which make them suitable for different uses. -Water cannot penetrate waterproof materials. Raincoats often have a plastic coating because plastic is waterproof. 		<ul style="list-style-type: none"> -Use what they have observed in addition to their own ideas to suggest answers to questions. -Use senses to compare different textures of materials. -Describe the texture of materials using appropriate adjectives. -Learn to group objects according to the material they are made from. -Sort materials according to their properties such as waterproof/ not waterproof.
	EAD	<ul style="list-style-type: none"> -Patterns in art appear in many art forms around the world. Explore different cultural folk patterns that appear on textiles and in architecture. 	<ul style="list-style-type: none"> -Use a variety of tools including pencils, crayons, pastels, felt tips, chalk and other dry media to represent objects in lines. -Select appropriate resources to combine materials. -Make printed marks using different materials to create repeating patterns. 	<ul style="list-style-type: none"> -Explain what they like about the works of others. -Plan their own designs by suggesting what to do next.
Reception Spring 1 Healthy Living	CL		<ul style="list-style-type: none"> -Active listening means giving a speaker your full attention and trying to understand the complete message. 	<ul style="list-style-type: none"> -Time connectives make it easy for us to understand the order of when something happened. -Speak in longer sentences using time connectives when discussing events in order. For example, how to clean their teeth (first, next, then, finally etc). -A simile compares two things using the words 'like' or 'as'. -A simile is a useful way to describe something without using a long list of adjectives.
	PSED		<ul style="list-style-type: none"> -Learn how to make a healthy, balanced meal and what it should include (Meat, fish and alternatives/ fruit and vegetables/ dairy products/ breads, cereals and potatoes/ foods containing fat and sugar). 	<ul style="list-style-type: none"> -Fizzy drinks/juices especially ones that contain sugars and acids can cause tooth decay. -Milk and cheese are tooth-friendly foods. They contain calcium which will help to repair tooth enamel. -Fruit and vegetables are an important part of a healthy, balanced diet. -You should not eat more than what your body needs to keep healthy and energised during the day. -It is important to eat five portions of fruit and vegetables a day. -A 'portion' means the amount of food that fits in your hand.

	PD		-Cut, glue and trim material to create images from a variety of media e.g. photocopies, fabric, crepe paper, magazines.	
	L	<ul style="list-style-type: none"> -Learn the features of instruction writing i.e. a clear layout, a 'you will need' list which explains what tools you require and numbered points. -The features of a poster are: the art is related to the message; the most important message is emphasised by size or colour and there is an attention-grabbing picture. -A list connects words, items or names together in a meaningful way. -A cookbook is a book with a variety of recipes in it. -The recipes consist of the description of the steps to follow to prepare a meal, also including the ingredients that are needed. -Identify a contents page and use this to find the right page to answer simple questions. 		
	UW	<ul style="list-style-type: none"> -Develop an understanding of people having roles to play in the community. -Name and describe people who are familiar to them and that they have come across within their community, such as the police, the fire service, doctors and teachers. 		-Know where some food comes from and give examples of food that is grown.
	EAD	<ul style="list-style-type: none"> -Investigate different types of storage that would be suitable for a tooth. -Explore and use photography, digital imaging and design tools for self-expression. -Explore careers through role play and experience what it is like to perform certain tasks. 	<ul style="list-style-type: none"> -Design and make a bag/ box for a tooth considering the materials used, joining techniques and aesthetics. -Investigate ways of joining suitable materials together. -Take photographs and begin to understand how to focus on an object and take a close-up shot. -Select, place and layer using digital tools. 	<ul style="list-style-type: none"> -Evaluate the end product. -Value their own and other pupils' work. -Discuss likes and dislikes about the artwork which is explored.
	CL			-Develop vocabulary to make comparisons.

Reception Spring 2 Tales from around the World	PD		-Develop hand-eye coordination and concentration skills through threading different materials and objects.	-Recognise the importance of personal hygiene and how to keep themselves clean (bathing, brushing teeth, washing hands or covering their mouth when they cough etc). -Know how to wash their hands properly with soap and water and when it is necessary to do so.
	UW	-The Queen has many homes (Buckingham Palace, Windsor Castle and Balmoral Castle). -Understand that transport: cars, buses, trains have changed over time. Know that transport was different when their parents and grandparents were young. -Compare modern and old objects. -A habitat is a place that an animal lives. It provides the animal with food, water and shelter. -Name some traditional Chinese recipes and common ingredients (rice/ noodles). Other common Asian ingredients are fish, squid, shrimp, and octopus.	-Follow a recipe to prepare a traditional Chinese fish soup (Check for allergies/ dietary requirements – if necessary some pupils will follow a recipe to prepare vegetable soup).	-Participate in a science investigation enthusiastically, observing changes closely and suggest answers to questions. -If cream is shaken, butter will form. Buttermilk will separate from the butter. -Chopsticks are sticks used in pairs as cutlery. Chopsticks are the traditional eating utensils used in Asia.
	EAD	-Throughout history, people from Peru have used alpaca and lama wool for weaving. -Weaving is the interlacing of two sets of threads at right angles to each other to form cloth. -Weaving is usually done on a loom. -Observe and reflect on preferences for styles of architecture. Look at examples of famous African architecture (e.g. Great Mosque of Djenné, Jardin Majorelle, Lideta Market, etc). -Ideas for artwork can be created through observation (looking closely), imagination (creating pictures in the mind) and memory (remembering experiences from the past).	-Learn the craft of weaving, overlapping (under-over pattern) thread on a loom. -Structures can be made by putting separate objects or units together. -Combine boxes and other found materials to create junk models. -Materials can be cut and re-assembled into new shapes.	-Talk about the materials and the process of combining materials. -Classify materials into textures and colours.
Reception Summer 1	CL			-Describe images using adjectives and prepositions. -Learn the language to reason and persuade e.g. 'I think...because...'

The Environment				-Use this language when justifying their opinions.
	PSED	<ul style="list-style-type: none"> -Understand that jobs help people to earn money to pay for things. -Name different jobs that people they know or people who work in the community do. 		
	PD		<ul style="list-style-type: none"> -Explore different fixings and methods of joining hard materials. -Use a variety of tools for different purposes. For example, use a screwdriver to attach screws, explore real nuts and bolts, hammers and golf tees into large fruit. -Know the safety implications when using tools and how to handle them carefully. 	
	L	<ul style="list-style-type: none"> -A biography is a text written about someone else's life (usually someone famous). -Biographies help us to learn about history and significant people from the past. 		
	UW	<ul style="list-style-type: none"> -Use a range of sources of information including ICT. -Opaque materials do not let any light pass through them. -Investigate solar energy, by building a solar oven (using a cardboard box, black paper and tin foil) to melt marshmallows. Observe and comment on the change of state. -Consider a range of steps that can be taken to reduce rubbish pollution. -The '3 R's' stand for reduce, reuse, recycle. -Explore the local area identifying both the built and the natural environment. Express their opinions on natural and built environments. -Name and locate different parts of the local community – recognise landmarks, human and physical features. 	<ul style="list-style-type: none"> -Electricity can be dangerous and appliances must be used safely. Understand that some appliances are less dangerous than others. 	<ul style="list-style-type: none"> -Explore and describe the way some everyday materials change when they are heated or cooled.

		<ul style="list-style-type: none"> -Many everyday appliances require electricity from mains electricity or batteries. -Explore a variety of classroom objects, investigating whether they use electricity or not. -Bird feeders encourage birds to visit the garden as they provide them with a source of food. 		
	EAD	<ul style="list-style-type: none"> -Recycled art is creative work that is made from discarded materials that once had another purpose. Artists who make recycled art take those materials and make them into something new. -Think imaginatively – using their imagination and prior knowledge. -Wind chimes make sounds when the wind blows the tubes or rods. 	<ul style="list-style-type: none"> -Shape and model materials for a purpose (e.g., a pot) from observation and imagination. -Investigate a range of different materials and experiment with how they can be connected to form simple structures. -Experiment with a variety of malleable media. -Manipulate malleable materials in a variety of ways including rolling, pinching and kneading. -Impress and apply simple decoration. -Use natural materials to make musical instruments, select appropriate joining methods. 	
Reception Summer 2 Mini-Beasts and Habitats	CL	<ul style="list-style-type: none"> -Participate in philosophical discussion based on the phrase, 'If at first you don't succeed, try, try again.' -Understand that perseverance is important when you are learning something new. 		
	PD		<ul style="list-style-type: none"> -Learn how to use a table knife for spreading (e.g. butter and honey on bread). -Cut straight or curved lines and circular shapes using scissors. -Select and use appropriate materials and tools safely and competently to build a worm farm showing an understanding of the animals' habitat. -Know how to fasten buttons on clothing (preparation for wearing a shirt in year 1). 	<ul style="list-style-type: none"> -Understand the importance of healthy daily routines (morning and evening) and the impact these have on their well-being. -Understand the need for safety when using hot equipment and the need for adult supervision. -Understand that food that has been dropped on the floor, touched with dirty hands or has turned mouldy should not be eaten and can make people ill. -Describe the taste of some familiar ingredients and make comparisons (e.g. maple syrup and honey).

	L	<p>-Instructions usually provide guidance on how to achieve something. They are usually written in list form, and are in chronological order.</p> <p>-Write instructions for how to make a bee hotel or watering station.</p>		
	UW	<p>-Use technology to capture images of minibeasts in the environment.</p> <p>-The Qur'an teaches men and women to dress modestly. Some Muslim women wear a hijab and some boys wear a prayer cap.</p>		
	EAD	<p>-Explore and evaluate the design of different bee hotels and watering stations.</p> <p>-Understand that fabrics are the basis of textiles that can be used for clothes, household linens and curtains etc.</p> <p>-Understand fabrics can be cut and sewn together into new shapes, which may be 3D as in clothes.</p>	<p>-Apply adhesive sparingly and place glued surfaces together accurately.</p> <p>-Create bee hotels and watering stations to attract bees to the school garden.</p> <p>-Select from and use a range of tools and equipment to perform practical tasks in order to make their own bee hotel or watering station.</p> <p>-Handle and manipulate a wide range of fabrics and threads.</p>	<p>-Develop critical thinking by talking about changes they have made during the making process. Evaluate what went well or not so well and why that may have been.</p>