



Madron Daniel Nursery and Primary School

Rise Up Curriculum - Design and Technology - Cycle A

	Make - Construction and joining techniques	Evaluate Communication	Food Technology	Food preparation cooking skills.	Technical Skills
2-3 year olds	Transporting blocks, early building in rows, horizontally or stacked vertically. Exploration of age appropriate construction kits. Use glue to join flat materials together.	Gesture or simple verbal reply given in response to a simple question or comment about creations.	Know food they like and dislike Know that food and drink help them to grow, be active and stay healthy. Know they need to wash hands. Name a few basic fruits and vegetables.	Name and use a range of basic cooking skills with support. Mix together Spread (soft ingredients) Spoon(ingredients into different containers) Fork secure Mash	Stirring, mashing with a spoon, fork or potato masher.
3-4 year olds	More complex structures with understanding of pattern, shape and balance. More complex construction kits available to explore. Opportunities to build on large scale outdoors with loose parts. Den building from variety of resources.	Own and others' creations discussed and evaluated using linked vocabulary. opportunities to talk about what makes activities safe or unsafe e.g. hygiene or when using tools.	Know all food comes from plants or animals. Know food changes from being farmed to ending on our plates. Independently get ready to cook. Name a basic range of cooking equipment and explain what it does.	Name and use a range of basic cooking skills independently. Peel (with a peeler) Shape Cut (with cutters) Claw grip Sift Arrange	Chopping, grating ingredients, folding
Reception	Cooking and Nutrition Design:	Developing, Planning and Communicating Ideas	Make	Evaluate	Technical Knowledge
	Talk about healthy and unhealthy foods.	Provide opportunities to work together to develop and realise creative ideas.	Provide children with a range of materials to construct with	Discuss problems and how they might be solved as they arise.	Teach children different techniques for joining materials, such as how to

	Talk about having a balance of healthy and unhealthy foods Talk about likes and dislikes. Use a range of tools with care and precision.	Encourage them to think about and discuss what they want to make. Look at products to generate inspiration and conversation about art and artists.		Reflect with children on how they have achieved their aims.	use adhesive tape and different sorts of glue. Provide a range of materials and tools and teach children to use them with care and precision.	
	1	2	3	4	5	6
Class 1			<u>Cooking and Nutrition - Fruit and Vegetables (Y1)</u> 1. Identify fruits. 2. Describe where fruits and vegetables grow. 3. Practise food preparation skills. 4. Select ingredients for a recipe. 5. Apply food preparation skills to a recipe. 6. Evaluate against the design brief.		<u>Structures - Baby Bears Chair (Y2)</u> 1. Join fabrics together using different methods. 2. Use a template to create my design. 3. Join two fabrics together accurately. 4. Embellish my design using joining methods.	<u>Textiles - cross stitch appliqué (Y3)</u> 1. learn how to sew cross stitch and appliqué 2. Design a product and its template 3. Decorate fabric using appliqué and cross stitch 4. Assemble your cushion.
Class 2	<u>Electronical Systems - torches (Y4)</u> 1. Learn about electrical items and how they work 2. Analyse and evaluate electrical products 3. Design a product to fit a set of specific user needs 4. Make and evaluate a torch			<u>Structure - Playgrounds (Y6)</u> 1. Look at objects and understand how they move. 2. Look at objects and understand how they move. 3. Explore different design options. 4. Make a moving monster	<u>Cooking and Nutrition - Developing a recipe (Y5)</u> 1. Understand how ingredients are reared and processed. 2. Make adaptations to design a recipe. 3. Evaluate nutritional content. 4. Practise food preparation skills.	

					5. Design a product label. 6. Follow and make an adapted recipe.	
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Rise Up Curriculum - Design and Technology - Cycle B

	Make - Construction and joining techniques	Evaluate Communication	Food Technology	Food preparation cooking skills.	Technical Skills
2-3 year olds	Transporting blocks, early building in rows, horizontally or stacked vertically. Exploration of age appropriate construction kits. Use glue to join flat materials together.	Gesture or simple verbal reply given in response to a simple question or comment about creations.	Know food they like and dislike Know that food and drink help them to grow, be active and stay healthy. Know they need to wash hands. Name a few basic fruits and vegetables.	Name and use a range of basic cooking skills with support. Mix together Spread (soft ingredients) Spoon(ingredients into different containers) Fork secure Mash	Stirring, mashing with a spoon, fork or potato masher.
3-4 yr olds	More complex structures with understanding of pattern, shape and balance. More complex construction kits available to explore. Opportunities to build on large scale outdoors with loose parts. Den building from variety of resources.	Own and others' creations discussed and evaluated using linked vocabulary. opportunities to talk about what makes activities safe or unsafe e.g. hygiene or when using tools.	Know all food comes from plants or animals. Know food changes from being farmed to ending on our plates. Independently get ready to cook. Name a basic range of cooking equipment and explain what it does.	Name and use a range of basic cooking skills independently. Peel (with a peeler) Shape Cut (with cutters) Claw grip Sift Arrange	Chopping, grating ingredients, folding
Reception	Cooking and Nutrition Design:	Developing, Planning and Communicating Ideas	Make	Evaluate	Technical Knowledge
	Talk about healthy and unhealthy foods. Talk about having a balance of these. Talk about likes and dislikes. Use a range of tools with care and precision.	Provide opportunities to work together to develop and realise creative ideas. Encourage them to think about and discuss what they want to make.	Provide children with a range of materials for children to construct with.	Discuss problems and how they might be solved as they arise. Reflect with children on how they have achieved their aims.	Teach children different techniques for joining materials, such as how to use adhesive tape and different sorts of glue. Provide a range of materials and tools and teach children

		Look at products to generate inspiration and conversation about art and artists.				to use them with care and precision.
	1	2	3	4	5	6
Class 1			<u>Cooking and Nutrition - Balanced Diet (Y2)</u> 1. Understand what makes a balanced diet 2. Taste test food combinations 3. Design a healthy wrap 4. Make a healthy wrap	<u>Textiles - Puppets (Y1)</u> 1. Join fabrics together using different methods. 2. Use a template to create my design. 3. Join two fabrics together accurately. 4. Embellish my design using joining methods		<u>Structures - Constructing a castle (Y3)</u> 1. Recognise how multiple shapes (2D and 3D) are combined to form a strong and stable structure 2. Design a castle 3. Construct 3D nets 4. Construct and evaluate my final product
Class 2			<u>Electrical systems - steady hand games (Y6)</u> 1. Research and analyse a range of children's toys. 2. Design a steady hand game. 3. Construct a stable base. 4. Assemble electronics and complete their electronic game.	<u>Textiles - making a stuffed toy (Y5)</u> 1. Design a stuffed toy. 2. Sew a blanket stitch. 3. Create and add decorations to fabric. 4. Use a blanket stitch to assemble the components of a stuffed toy.		<u>Cooking and Nutrition - adapting a recipe (Y4)</u> 1. Follow a baking recipe 2. Make and test a prototype 3. Design a biscuit to a given budget. 4. Make a biscuit that meets a given design brief.

Rise Up Curriculum - Design and Technology - Cycle C

	Make - Construction and joining techniques	Evaluate Communication	Food Technology	Food preparation cooking skills.	Technical Skills
2-3 yr olds	Transporting blocks, early building in rows, horizontally or stacked vertically. Exploration of age appropriate construction kits. Use glue to join flat materials together.	Gesture or simple verbal reply given in response to a simple question or comment about creations.	Know food they like and dislike Know that food and drink help them to grow, be active and stay healthy. Know they need to wash hands. Name a few basic fruits and vegetables.	Name and use a range of basic cooking skills with support. Mix together Spread (soft ingredients) Spoon(ingredients into different containers) Fork secure Mash	Stirring, mashing with a spoon, fork or potato masher.
3-4 yr olds	More complex structures with understanding of pattern, shape and balance. More complex construction kits available to explore. Opportunities to build on large scale outdoors with loose parts. Den building from variety of resources.	Own and others' creations discussed and evaluated using linked vocabulary. opportunities to talk about what makes activities safe or unsafe e.g. hygiene or when using tools.	Know all food comes from plants or animals. Know food changes from being farmed to ending on our plates. Independently get ready to cook. Name a basic range of cooking equipment and explain what it does.	Name and use a range of basic cooking skills independently. Peel (with a peeler) Shape Cut (with cutters) Claw grip Sift Arrange	Chopping, grating ingredients, folding
Reception	Cooking and Nutrition Design:	Developing, Planning and Communicating Ideas	Make	Evaluate	Technical Knowledge
	Talk about healthy and unhealthy foods. Talk about having a balance of these. Talk about likes and dislikes. Use a range of tools with care and precision.	Provide opportunities to work together to develop and realise creative ideas. Encourage them to think about and discuss what they want to make.	Provide children with a range of materials for children to construct with.	Discuss problems and how they might be solved as they arise. Reflect with children on how they have achieved their aims.	Teach children different techniques for joining materials, such as how to use adhesive tape and different sorts of glue. Provide a range of materials and tools and teach children

		Look at products to generate inspiration and conversation about art and artists.				to use them with care and precision.
	1	2	3	4	5	6
Class 1	<u>Cooking and Nutrition - Eating Seasonally (Y3)</u> 1. Understand that climate affects food growth 2. Understand the advantages of eating seasonal foods grown in the UK 3. Create a recipe that is healthy and nutritious using seasonal vegetables 4. Safely follow a recipe when cooking			<u>Structures - Constructing Windmills (Y1)</u> 1. Include individual preferences and requirements in my design 2. Make a stable structure 3. Assemble the components of my structure 4. Evaluate my project and adapt my design	<u>Mechanisms - Making a moving Monster (Y2)</u> 1. Look at objects and understand how they move. 2. Look at objects and understand how they move. 3. Explore different design options. 4. Make a moving monster	
Class 2		<u>Structures - Bridges (Y5)</u> 1. Explore how to reinforce a beam (structure) to improve its strength 2. Build a spaghetti truss bridge 3. Build a wooden truss bridge 4. Complete, reinforce and evaluate my truss bridge		<u>Cooking and Nutrition - Come Dine with Me (Y6)</u> 1. Understand where their food comes from. 2. Research healthy foods and nutrition. 3. Design a three-course meal and write up a recipe. 4. Use a recipe to prepare a meal.		<u>Mechanical Systems - Making a slingshot car (Y4)</u> 1. Build a car chassis 2. Design a shape that reduces air resistance 3. Make a model based on a chosen design 4. Assemble and test my completed product