

Year 1	National Curriculum Objectives	Skills	Key Questions	Suggested learning experiences	Vocabulary (Tier 2/3)
Autumn Mysteries	To select and use appropriate fruit and vegetables, processes and tools	Chopping, peeling and grating food. Holding the food correctly. Holding	Where does our food come from? Why are vegetables important for us to eat? How do I cook different	1.Show pictures of different fruit/vegetables. Can they label them? (sweetcorn, apple, honeydew melon, carrot, tomatoes) Go to tables and taste test these fruit/vegetables. What could you make with these ingredients? Write a	Tier 2 Peel Chop Grate Soup
Food technology	To use basic food handling, hygienic practices and personal hygiene	the equipment to chop, peel and grate correctly. Using the	vegetables? How can I make a healthy autumn/winter soup?	list of ideas (apple pie, carrot cake, stew). 2. Explain they are going to make healthy soup to encourage reception to eat more veg. Taste test different soups and produce design criteria	Taste Boil Blend Eat
	To use the basic principles of a healthy and varied diet to prepare dishes. To know where fruit and vegetables comes from.	equipment and moving it or the food in the correct direction to chop, peel or grate effectively.		of what makes a good healthy soup (describe what they liked about the soup – smooth, sweet, hot not spicy). Can they use seasonal vegetables? 3. Discuss how to make a vegetable soup. Order pictures of instructions – discuss the importance of good hygiene (washing hands as step 1) and hygiene practises (wash the vegetables). Add key words (wash, peel, chop, boil, blend, eat).	Tier 3 Design Product Method Ingredients Evaluate
	Design purposeful, functional, appealing products for themselves and other users based on design criteria.			 4. Practise skills of peeling, chopping, and grating using potatoes and bananas. Cook soup overnight. 5. Show the different vegetables used within the soup. Evaluate by trying the soup and writing a list of what 	

				you liked and what you didn't like. (bits, crunchy, taste, hot, colour). 6. Look at different soup cans and make a success criteria – what do they need to include? (ingredients, name of the soup, how to cook it). Reminder of the what ingredients were in the soup, children to come up with their own name of the soup with pictures to decorate, brief descriptions of how to cook.	
Spring	Generate, develop,	Cutting. How to	How can I make a moving picture book?	What is a mechanism? (A system of parts working together).	Tier 2 Slider
Freeze Flame	model and	cut safely and keep		Show different examples of moving part books. Have	Pivot
Treeze ridine	communicate their	a safe environment.	How can I make different	you seen books with moving parts before?	Lever Wheel
Mechanisms/	ideas through talking, drawing,	Follow the correct	parts move in my picture?	Show examples of: Pivot.	vvneei
Joining materials	templates, mock-	direction when	picture:	Lever.	Tier 3
John Marchael	ups and, where	cutting to ensure		Sliding.	Mechanism
	appropriate,	the product still		Wheels.	



Design Technology Subject Overview

information and	looks good and	Using pictures and videos.
communication	doesn't have any	Children to look through books with moving parts in
technology.	rough edges.	small groups and discuss on tables what they liked and
		what they didn't like.
Explore and use	Using a split pin	Which one was their favourite? Why?
mechanisms [for	safely. How to hold	Which one was their least favourite? Why?
example, levers,	the split pin. How	Use stem sentences to help explain.
sliders, wheels and	to push it through	
axles], in their	material safely and	2. Create a sliding mechanism.
products.	fold the split pin to	What is a sliding mechanism? Show pictures/videos of
	ensure the	examples of them in picture books.
	mechanism works	Model how to create a sliding mechanism (car sliding
	efficiently and	across the road, boat sliding across the water etc).
	effectively.	Children to make their own, give them the
		background, template of picture which will move and
		children are to colour and cut out around the outlines.
		Children to use the excess card to cut their own strip
		which will be used to slide the picture across, think
		about what thickness they will need.
		3. Create a pivot mechanism.
		What is a pivot mechanism? Show pictures/videos of
		examples of them in picture books.
		Model how to create a pivot mechanism (compass,
		wheel etc).
		Children to make their own, give them template of
		circles on coloured card to cut out. Can they piece it
		together and add a hole in the middle using blue tack
		underneath and a sharp pencil.
		4. Create a lever mechanism.
		What is a lever mechanism? Show pictures/videos of
		examples of them in picture books.
		Model how to create a lever mechanism (e.g. animals
		on either side of the world link to Poles Apart).

				Give them the template of the world and animals. Children are to colour and cut around the pictures. Using the excess card to cut their own strip of card to use for the lever, choosing the correct thickness. Create background in ICT (look at Art: Monet, Northern Lights) 5. Choose which mechanism they would like to use (option of either a lever or slider). Example: slider – shooting star; lever – moon and inuit. Model both and let children make their final piece.	
FIRE Construction/	Generate, develop, model and communicate their ideas through talking, drawing templates.	Constructing – using wheels and axles correctly. How to hold the wheel and axel correctly so the	What do fire engines need to have? How do they differ from other vehicles? How do fire engines move?	1. Show different pictures of vehicles. What is similar what is different? Look at a picture of a fire engine and watch a child friendly video which identifies the name of different parts and what the different parts are for. Label the different parts of a fire truck and some to explain what the parts are for.	Tier 2 Wheels Axels Vehicles Fire engine Smooth Rigid



Design Technology Subject Overview

ex ca st m Ex ex ex ex	suild structures, exploring how they an be made tronger, stiffer and nore stable. Explore and evaluate a range of existing products. Valuate their ideas and products gainst design riteria	axel can be inserted through the wheel. How it should look when it is done so it works correctly. How to do this in a safe environment.	2. Look at pictures of different wheels – what are wheels for? Have an investigation about which wheels would be best to use to make a fire engine? (tinfoil, cotton wheel, ball, cube, cylinder, ruler, scissors, wooden wheel). Discuss the main property a wheel needs to have to work? (smooth, can roll, cylinder like). Use a tick list to show which one works best as a wheel. Which one will you use for your fire engine and why? 3. What is an axle? Look at pictures of different axles – what are they used for? Have an investigation about which axels would be best to use to make a fire engine? (stick, pencil, paint brush, wooden rod, string).	Tier 3 Evaluate Design Property Investigate Structure
fun pro the use	esign purposeful, nctional, appealing oducts for emselves and other ers based on design teria.		to use to make a fire engine? (stick, pencil, paint brush, wooden rod, string). Discuss the main property an axel needs to have to work? (thin, long, rigid, smooth, stiff). Use a tick list to show which one works best as an axel. Which one will you use for your fire engine and why? 4. Look at different pictures of homemade fire engines. Design own fire engines — think carefully about the different materials they could use for the different parts thinking carefully about the properties of the material. What could they use for the body? (cardboard boxes). What could they use for the wheels/axels? Think back to previous lessons. Could they use extra bits of cardboard or different material for hoses/ladders. Label designs.	



Design Technology Subject Overview

	5. Make fire engines in groups using their chosen materials (get parents to bring in cardboard boxes	
	before this lesson). Evaluate how well it moves and whether the materials they chose were appropriate.	