Weddington's vision is for all to thrive. 'Weddy' graduates will venture into the wider world as curious, courageous and confident individuals, who are equipped with the tools for continued success



Weddington Primary School

Autumn	Spring	Summer
National Curriculum Subject Content	National Curriculum Subject Content	National Curriculum Subject Content
Textiles	Construction	Food Technology
Can I create a puppet to sell at the Christmas Fayre?	Can I design a car that would be seen in Weddington?	Can I make a smoothie to encourage Reception children to
Design purposeful, functional and appealing products for	Generate and develop ideas through talking, drawing and	eat more fruit?
themselves and others.	ICT	Be taught how to cook and apply the principles of nutrition
Select from and use a range of tools and techniques to	Design functional products	and healthy eating.
perform practical tasks eg cutting, joining, finishing	Select from a range of tools and materials according to their	Understand where food comes from.
Select from and use a wide range of materials including	characteristics	
textiles		
Knowledge	Knowledge	Knowledge
Know that joining means connecting two pieces together	Know wheels need to be round to rotate and move	Know that a fruit has seeds
Know fabric can be joined with staples, glue or pins	Know that for a wheel to move it must be attached to a	Know that fruits grow on trees or vines
Know different joining techniques can be used for different	rotating axle	Know that vegetables can grow either above or below
purposes	Know that an axle moves within an axle holder which is	ground
Know drawing a design is useful to see how an idea will look	fixed to the vehicle	Know that vegetables is any edible part of a plant
	Know the frame of a vehicle needs to be balanced	
Skills	Skills	Skills
Use a template to create a design for a puppet	Design a vehicle that includes wheels, axles and axle holders	Design a smoothie carton that is attractive and eye catching
Cut fabric neatly with scissors	that will allow the wheel to move	Peel and chop fruits and vegetables
Use joining methods to decorate a puppet	Create clearly labelled drawings that illustrate movement	Safely use a blender to mix ingredients together
Sequence steps for constriction	Adapt mechanisms when they do not work, to fit their	Suggest information to be included on packaging
Reflect on a finished product, explaining likes and dislikes	design or to improve after testing	
Vocabulary	Vocabulary	Vocabulary
Joining, Template, Design, cut	Wheel, axle, vehicle, rotate,	Fruit
		Vegetable
		Blender



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Textiles	Construction	Food Technology
Can I design a pouch to create a class advent calendar?	Can I design a bridge for the River Anker that can lift up?	Can I make a healthy wrap for someone who doesn't eat
Design purposeful, functional and appealing products for	Generate and develop ideas through talking, drawing and	meat?
themselves and others.	ICT	Be taught how to cook and apply the principles of nutrition
Select from and use a range of tools and techniques to	Design functional products	and healthy eating.
perform practical tasks eg cutting, joining, finishing	Select from a range of tools and materials according to their	Understand where food comes from.
Select from and use a wide range of materials including	characteristics	
textiles	Explore how structures can be made stronger, stiffer and	
	more stable	
Knowledge	Knowledge	Knowledge
Know that sewing is a method of joining fabric	Know that mechanisms are a collection of moving parts that	Know that diet means the food and drink that a person or
Know that different stitches can be used when sewing	work together as a machine to produce movement	animal usually eats
Know the importance of tying a knot after sewing the final	Know that a lever is something that turns on a pivot	Know what makes a balanced diet
stitch		Know the five main food groups
Know a thimble can be used to protect their fingers		Know they should eat a range of different foods
Skills	Skills	Skills
Select and cut fabrics for sewing	Design a moving bridge to match a design criteria	Design a healthy wrap based on a food combination that
Decorate a pouch using fabric glue or running stitch	Experiment with linkages and split pins to create levers and	works well
Thread a needle	pivots	Slice food safely using the bridge or claw grip
Use running stitch, with evenly spaced, neat, even stitches	Create joints and structures from paper, card and tape	Construct a wrap that meets a design brief
to join fabric	Build a strong and stiff structure by folding paper	Taste test food combinations and final products
Neatly pin and cut the fabric using scissors		Describe information that should be included on a food
Evaluate the quality of stitching on others' work		label
Vocabulary	Vocabulary	Vocabulary
Stitch, needle, thread, running stitch, fabric,	Mechanism, lever, pivot, fold, stable, stiff	Vegetarian, balanced diet, ingredients Carbohydrates,
		Protein, dairy, fat, sugar, fruit vegetables



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Textiles	Construction	Food Technology
Can I create a hanging Christmas decoration to sell at the Christmas Fayre? Design functional, appealing products aimed at a particular group and are fit for purpose Select from a wider range of tools and materials to perform practical tasks	Can I create a lift that can lift an Easter egg above 30cm? Use research to inform the design of functional and approving products that fit a purpose Investigate and analyse a range of existing products Apply their knowledge if how to strengthen and reinforce more complex structures Understand and use mechanical systems in their products	Can I create a sandwich using ingredients grown in the UK? Be taught how to cook and apply the principles of nutrition and healthy eating Understand where food comes from Understand seasonality and know where and how a variety of ingredients are grown
Knowledge	Knowledge	Knowledge
Know applique is a way of decorating a textile by applying smaller pieces of fabric to larger pieces Know when two pieces of fabric are joined together it is called a seam Know it is important to leave space on the fabric for the seam Understand that some products are turned inside out after sewing so the stitching is hidden.	Know that pneumatic systems operate by drawing in, releasing and compressing air Understand the importance of strength and stiffness in structures Know that a design specification is a list of success criteria for a product	Know that vegetables and fruit grow in certain seasons Know imported food is brought into the country Know eating seasonal foods can have a positive impact on the environment Know similar coloured fruits and vegetables have similar nutritional benefits Know appearance of food is as important as taste
Skills	Skills	Skills
Design and make a template Know and understand the purpose of running stitch, backstitch and cross stitch Thread needles and tying knots with greater independence Decorate fabric using appliqué	Draw and label a lift design using the shapes to be created and the materials needed Construct 3D shapes using geometric nets Create a pneumatic system to create a desired motion Manipulate materials to create different effects by cutting, creasing, folding and weaving. Suggest points for modification of the individual designs	Create a nutritious sandwich using products grown in the UK Use basic food hygiene rules when preparing themselves and the work space Describe the benefits of choosing seasonal foods and the impact on the environment
Vocabulary	Vocabulary	Vocabulary
Applique, cross stitch, running stitch, seam	Pneumatic	Imported, exported, seasonal, nutritional benefits



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National Curriculum Subject Content	National Curriculum Subject Content	National Curriculum Subject Content
Textiles Can I create a personalised pencil case? Use research to design functional products that are fit for purpose Generate and develop their ideas through the use of prototypes, pattern pieces and computer aided design Select from a range of materials according to functional properties and aesthetic qualities	Construction Can I create a slingshot car that can travel over 1metre in distance? Use research and develop design criteria to inform he design of innovative, functional products that are fit for purpose Select from and use a wider range of tools and equipment to perform practical tasks accurately Understand how key events and individuals in design and technology have helped shaped the world	Food Technology Can I design a biscuit within a given budget? Be taught how to cook and apply the principles of nutrition and healthy eating. Understand where food comes from. Learn how to feed themselves and others affordably and well
Knowledge	Knowledge	Knowledge
Know that a fastening is something which holds two pieces of material together for example a zipper, toggle, button, press stud and Velcro Know that different fastening types are useful for different purposes	Understand that all moving things have kinetic energy Know that air resistance is the level of drag on an object as it is forced through the air Understand that the shape of a moving object will affect how it moves due to air resistance Understand what a frame structure is Know that cladding can be applied to structures for different effects	Know the amount of an ingredient in a recipe is the quantity Know safety and hygiene are important when cooking Know how to sieve, measure, stir, cut out and shape Know the importance of budgeting
Skills	Skills	Skills
Make and test a paper template with accuracy and in keeping with the design criteria Measure, marking and cutting fabric using a paper template Selecting a stitch style to join fabric Working neatly by sewing small, straight stitches Incorporate a fastening to a design.	Select appropriate materials to build a strong structure and cladding Reinforce corners to strengthen a structure Create a design in accordance with a plan Learn to create different textural effects with materials Measure, mark, cut and assemble with increasing accuracy	Design a biscuit within a budget Draw on taste testing judgements Follow a basic recipe Adapt a recipe to improve or change it to meet a new criteria Describe the impact of a budget on the selection of ingredients
Vocabulary	Vocabulary	Vocabulary
fastenings	Net, kinetic energy, air resistance,	Recipe, quantity, sieving, measuring, stirring, cutting out, shaping



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Textiles	Construction	Food Technology
Can I create a stuffed toy to create a class nativity scene? Generate, develop, model and communicate their ideas through discussion, annotated sketches, prototypes and pattern pieces Select from and use a wider range of materials including textiles according to their functional properties and aesthetic qualities Knowledge	Can I create a moveable vehicle that could be used to explore another planet? Use research to generate design criteria to inform the design of products that are fit for purpose Understand how key events and individuals in design and technology have helped shape the world Understand and use electrical systems in their products Knowledge	 Can I design a healthy snack inspired by the Middle East? Understand and apply the principles of a healthy and varied diet Prepare and cook a variety of dishes using a range of techniques Understand seasonality and where and how ingredients are grown Knowledge
		0
Know that blanket stitch is useful to reinforce the edges of a fabric material or join two pieces of fabric Understand that it is easier to finish simpler designs to a high standard Know that soft toys are often made by creating appendages separately and then attaching them to the main body Know that small, neat stitches which are pulled taut are important to ensure that the soft toy is strong and holds the stuffing securely	Know how mechanical systems such as cams, pulleys or gears enable movement with a motor Know how to reinforce or strengthen a 3D framework	Know recipes can be adapted to suit nutritional needs and that I can use a nutritional calculator to see how healthy a food option is Understand what 'cross-contamination' means Know that coloured chopping boards can prevent cross- contamination.
Skills	Skills	Skills
Create a 3D stuffed toy from a 2D design Measure, mark and cut fabric accurately and independently Create strong and secure blanket stitches when joining fabric Thread needles independently Using appliqué to attach pieces of fabric decoration Apply blanket stitch so the spaces between the stitches are even and regular	Measure, cut, join and fix materials accurately and economically Use mechanical pulleys to allow movement Select appropriate tools and equipment Design, make, evaluate and refine	Research existing recipes to inform ingredient choices Adapt a traditional recipe, understanding that the nutritional value of a recipe alters if you remove, substitute or add additional ingredients Cut and prepare vegetables safely Use equipment safely, including knives, hot pans and hobs. Know how to avoid cross-contamination. Follow a step by step method carefully to make a recipe.
Vocabulary	Vocabulary	Vocabulary
Seam, blanket stitch	Gears, pulleys, motor	Cross contamination, traditional, recipe, nutritional value



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Textiles Can I create a Christmas gift bag with a fastening? Generate, develop, model and communicate their ideas through annotated sketches, prototypes, pattern pieces and computer aided design Select from and use a wider range of materials and components according to their functional properties and aesthetic qualities Investigate and analyse a range of existing products	Construction Can I design an interactive book for a young child? Investigate and analyse a range of existing products Select from a wider range of tools and equipment to perform tasks accurately Understand and use mechanical systems in their products e.g. gears, pulleys, levers Understand and use electrical systems in their products	Food Technology Can I make a healthy wrap for someone who doesn't eat meat? Be taught how to cook and apply the principles of nutrition and healthy eating. Understand where food comes from.
Knowledge	Knowledge	Knowledge
Know and understand the purpose of running stitch, backstitch, cross stitch, blanket stitch and overstitch Understand the properties of materials to achieve functioning solutions Know how to attach fastenings	Know that mechanisms control movement Understand that mechanisms can be used to change one kind of motion into another Understand how to use sliders, pivots and folds to create paper-based mechanisms Know that a design brief is a description of what I am going to design and make Know that designers often want to hide mechanisms to make a product more aesthetically pleasing	Know that diet means the food and drink that a person or animal usually eats Know what makes a balanced diet Know the five main food groups Know they should eat a range of different foods
Skills	Skills	Skills
Measure accurately to produce a paper pattern and final product Use running stitch, backstitch, and overstitch to bond edges Use blanket stitch to decorate products Select the correct tools and equipment Design, make, evaluate and refine	Follow a design brief to make a pop up book, neatly and with focus on accuracy Make mechanisms and/or structures using sliders, pivots and folds to produce movement, light or sound Use layers and spacers to hide the workings of mechanical parts for an aesthetically pleasing result.	Design a healthy wrap based on a food combination that works well Slice food safely using the bridge or claw grip Construct a wrap that meets a design brief Taste test food combinations and final products Describe information that should be included on a food label
Vocabulary	Vocabulary	Vocabulary
Fastening, stiffen, running stitch, back stitch, overstitch, blanket stitch	Design brief, mechanisms, circuit, aesthetics	Vegetarian, balanced diet, ingredients Carbohydrates, Protein, dairy, fat, sugar, fruit vegetables



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