



	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn T1	Textiles People who help us- creating emergency vehicles and people	Structures Houses and Homes	<u>Mechanisms</u> Fire Engines	Mechanisms Moving Monsters	<u>Textiles</u> Seasonal Stockings	<u>Textiles</u> Funky Furnishings	Structures Gingerbread Houses (CAD link Procreate)
Spring T2	<u>Textiles</u> Easter Bonnets	Food Eat More Fruit and Vegetables	Food Healthy Muffins	<u>Food</u> Perfect Pizzas	Food Seasonal foods- Savoury Soup	Mechanical Structures Levers and Pulleys	<u>Textiles</u> Fashion and Textiles
Summer T3	Food Gingerbread Men	Mechanisms Moving storyboard	<u>Textiles</u> Puppets	<u>Textiles</u> Pencil Cases	Electrical Systems Light up signs	Food Biscuits	Mechanical Systems Automata Toys Food South America - Tasty





Design	Reception Explore, use and refine a variety of artistic effects to express their ideas and feelings. Return to and build on their previous learning, refining ideas and developing their ability to represent them. E.L.G Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used.	1. Think of ideas and share my simple designs through talking and drawing. 2. Design purposeful products for ourselves and others. 3. Use communication technology where appropriate.	1. Design purposeful, functional and appealing products for ourselves and others. 2. Share my ideas through talking, drawing and developing models. 3. Use communication technology where appropriate with growing confidence.	1. Develop ideas about the use of pneumatic systems. 2. Discuss and develop a design criteria to inform the design of a product. 3. Think of realistic ideas through discussion and using my design criteria.	1. Consider the importance of functionality and visual appeal and discuss what they think is most important for their product. 2. Discuss the importance of design criteria. 3. Draw and annotate rch designs according to a given design brief.	1. Analyse a range of cushions based on their functional and aesthetic features. 2. Research the history of inventions and reflect on how they may have changed the lives of people who use them. 3. Research different types of biscuits, biscuits for different people, popularity and personal favourites.	1. Research existing edible houses to inspire a design. 2. Use a computer to design a pattern template. 3. Design an item made using textiles, and draw pattern pieces. 4. Design a fairground ride with a rotating part.
Technical Knowledge/Make	Reception Explore, use and refine a variety of artistic effects to express their ideas and feelings. Return to and build on their previous learning, refining ideas and developing their ability to represent them. E.L.G Safely use and explore a variety of materials, tools and	4. Select from and use a range of tools and equipment to perform practical tasks. 5. Select from and use a range of materials, paper, card, plastic and wood as appropriate. 6. Use simple utensils and equipment to peel, cut, slice, squeeze, grate and chop safely.	4. Select textiles appropriate for my product. T3 5. Explore different finishing techniques, painting, fabric crayons, stitching, sequins, buttons and ribbons. T3 6. Understand how to join fabrics using different techniques, running stitches, glue, over stitch, stapling. T3 7. Explore and use mechanisms such as wheels, axles and axle holders and to	4. Explore what objects use air to make them move. 5. Learn and develop ideas about simple pneumatic systems and make them using basic equipment. 6. Select from and use a wider range of materials including textiles and ingredients. 7. Mark and cut textiles; to sew design elements by joining different materials by hand.	4. Understand and use electrical systems in their torch. 5. Make and test a variety of switch designs with electrical systems. 6. Select from and use a wider range of materials, including ingredients and what makes a good casing. 7. Learn about and discuss the importance of functionality and visual appeal.	4. Consider how brands may affect the cost of a product. 5. Explore the use of water power when building early machines in ancient China. 6. Investigate how to join two pieces of fabric together, considering the right and wrong side of the fabric. 7. Explore the different fastenings that could be used for cushion covers and discuss in terms of	5. Investigate and analyse items made using textiles. 6. Understand and use mechanical systems in their products (pulleys, belts, cam) 8. Use pattern pieces to measure, mark and cut fabric; to sew design elements according to a design. 9. Join fabric pieces by hand sewing. 10. Sew hems on an item made using textiles.





	techniques, experimenting with colour, design, texture, form and function. • Share their creations, explaining the process they have used. E.L.G • Use a range of small tools, including scissors, paintbrushes and cutlery. .Reception • Return to and build on their previous learning,	7. Explore and evaluate a range of products. (seaside snacks).	know the difference between fixed and freely moving axles. T1 8. Select appropriate materials to make my structure stronger, stiffer and more stable. T1,2 9. Explore and evaluate a range of textile products. T3	8. Make their product according to their plan and design. 9. Evaluate and discuss their ideas and products with a partner, against their own design criteria and say	8. Learn how to secure stitches and explore a variety of different stitches. 9. Explore how embellishments can decorate fabrics. 10. Make their product according to their plan and design. 11. Evaluate and discuss their ideas and products against their own design criteria and consider the	8. Select from and use a wider range of materials including fabrics and ingredients. 9. Select from and use a wider range of tools to perform practical tasks such as joining. 10. Evaluate and discuss their ideas, materials and products against their own design criteria and consider the	11. Select from and use a wider range of materials including fabrics and ingredients. 12. Select from and use a wider range of tools to perform practical tasks such as joining. 13. Evaluate and discuss their ideas, materials and products against their own design criteria and consider the
Evaluate	refining ideas and developing their ability to represent them. E.L.G • Share their creations, explaining the process they have used.	8.Evaluate my ideas and things I have made.	10. Evaluate my ideas and my product against my design criteria. T1,2,3	what they think and feel about their products.	views of others to improve their work.	views of others to improve their work. 11. Evaluate the process as well as their finish product.	views of others to improve their work. 14. Evaluate the process as well as their finish product.
Cooking and nutrition	E.L.G • Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.	9. Learn to use the basic principles of a healthy and varied diet to prepare dishes. 10. Understand where food comes from.	11. Learn to use the basic principles of a healthy and varied diet to prepare dishes. 12. Understand where food comes from.	10. Understand and apply the principles of a healthy, balanced and varied diet to their design. 11. Prepare and cook a variety of predominantly a range of savoury dishes using a range of cooking techniques. 12. Explore a variety of breadbased products and a variety of pizza toppings. 13. Work safely and hygienically. 14. Evaluate their pizza once they have been made, do they meet their design?	12. Understand and apply the principles of a healthy and varied diet. 13. Prepare and cook a healthy savoury dish using seasonal vegetables. 14. Know how farming methods can slow down or speed up the farming process. 15. Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed.	12. Explore, discuss and describe different types of biscuits (using their senses), consider: favourite type and purpose. 13. Design a biscuit with a particular purpose in mind. 14. Work safely and hygienically. 15. Evaluate the design process and taste their biscuit – consider how it could be improved.	15. Research existing edible houses and use the inspiration to design their own gingerbread house. 16. Include features and measurements to meet the design criteria, how many biscuits will they need –make note of any amendments 17. Sketch and label their own design, consolidate their ideas into a final group design. 18. Translate their design into working pattern pieces (using a computer to construct an accurate floor plan)





							19. Discuss and use appropriate skills/techniques/tools e.g. piping to construct and decorate their edible house. 20. Evaluate each other's work, give and receive feedback from peers about their edible house, use this feedback when evaluating.
Maths Links	Sorting opportunities and Venn Diagrams	Position and Direction – Vocabulary forwards, backwards, left, right turns	Position and Direction- Vocabulary -Clockwise, Anticlockwise, full and half turns, three quarter turns to describe patterns. Tally Charts, Pictograms, Block Diagrams	Position and Direction (Recap Y2) - Clockwise, Anticlockwise, full and half turns, three quarter turns to describe patterns. Tally charts, Draw bar charts, Draw pictograms, Tables	Position and Direction- Vocabulary Interpret charts, introducing line graphs.	Position and Direction- Vocabulary Draw line graphs, read, and interpret line graphs, read and interpret tables, two-way tables.	Position and Direction- Vocabulary and negative numbers. Line graphs, dual bar graphs, read and interpret pie charts, pie charts with percentages, draw pie charts.