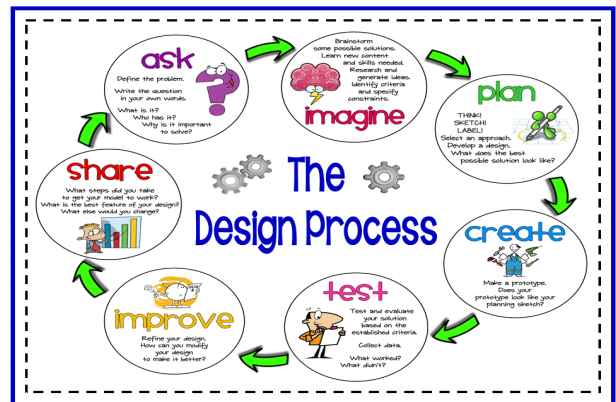






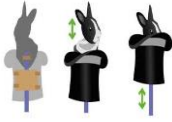

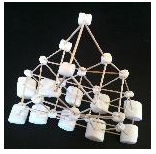












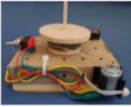


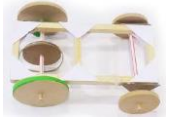


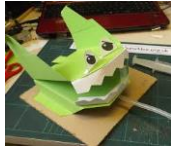

Swindon Village Primary School






DT Curriculum



Swindon Village Primary School DT Overview

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|--------|---|---|--|--|--|--|
| Year 1 | Food Technology  | Winter Fair DT  | Mechanisms  | | Food Technology  | Structures  |
| Year 2 | Wheels & Axles  | Winter Fair DT  | Food Technology  | | Textiles  | |
| Year 3 | | Winter Fair DT  | | Mechanisms  | Food Technology  | Textiles  |
| Year 4 | | Winter Fair DT  | Structures  | Electrical and Mechanical Components  | Food Technology  | |
| Year 5 | Electrical and Mechanical Components  | Winter Fair DT  | | Food Technology  | | Pulleys, axles and wheels  |
| Year 6 | Structures  | Winter Fair DT  | Mechanisms  | | | Food Technology  |




Year 1

| Design | Make | Evaluate | Technical Knowledge |
|---|--|--|--|
| <p>Understanding context, users and purposes. Generating, developing, modelling and communicating ideas.</p> | <p>Practical skills and techniques.</p>  | <p>Consider and assess a product.</p>  | <p>Making a product work.</p>  |
| <p>Use knowledge of existing products to support plans for a similar product.</p> <p>Describe, explore and investigate products that have been disassembled.</p> <p>Use construction kits, pictures, templates, mock-ups and captions to plan and design.</p> <p>Talk about and describe the tools and materials needed in order to complete the key tasks within a plan.</p> | <p>Explore and talk about the characteristics of an increasing range of materials.</p> <p>Select and use simple tools to cut and join a range of materials.</p> <p>Use a straight edge to mark lines for cutting.</p> <p>Join edge to edge using glue.</p> <p>Curl paper.</p> <p>Use a hole punch and stapler.</p> <p>Select from a range, a finish to improve the appearance of a product.</p> <p>Follow procedures for safety.</p> | <p>Talk about and describe key features of a range of products.</p> <p>Explore and evaluate a range of existing products.</p> <p>Begin to evaluate the success of the product in terms of function and aesthetic criteria.</p> | <p>Recognise that a simple range of technology is used in places such as homes and schools.</p> <p>Select and use technology for particular purposes.</p> <p>Show an interest in toys with buttons and mechanisms.</p> <p>Begin to know about the simple working characteristics of materials and components.</p> <p>Begin to understand the movement of simple mechanisms such as levers and sliders.</p> |

Year 1

| | Autumn | Spring | Summer |
|------------------------|--|--|--|
| Overview | Food Technology (1) Winter Fair Product (2) | Mechanisms (1) | Food Technology (1) Structures (2) |
| Final Outcome | Bread (1) Wooden hanging/standing decorations. (2) | Diorama | Traditional foods from around the UK. (1) Photo Frame (2) |
| Key skills | <p>Begin to understand that all food comes from plants and animals. (1)</p> <p>Sort and classify food into food groups - e.g. vegetables, pulses, cereals, dairy etc. (1)</p> <p>Talk about what happens when food is heated and cooled. (1)</p> <p>Measure and weigh accurately using cups and spoons. (1)</p> <p>Work safely and hygienically. (1)</p> | <p>Deconstruct a range of simple sliders and levers.</p> <p>Construct sliders independently.</p> <p>Make a lever by joining card strips with paper fasteners.</p> <p>Join simple levers to make linkages to create moving parts.</p> | <p>Construct a range of simple structures using simple construction kits. (2)</p> <p>Deconstruct and assemble the net of basic 3D shapes. (2)</p> <p>Make a structure more stable by strengthening the base. (2)</p> <p>Make square and rectangular frames from strip wood using triangular card joints. (2)</p> <p>Strengthen 2D frames by adding diagonal bracing struts. (2)</p> <p>Make a simple card hinge. (2)</p> <p>Use materials to make simple joints - glue, tape and paperclips. (2)</p> |
| Key vocabulary | Vegetables, cereals, pulses, dairy, measure, weigh, hygiene. (1) | Slider, lever, join, fasteners | Structure, net, joints, bracing struts, hinge. (2) |
| Required resources | Flour, Yeast, Salt (1) | Card, Paper, Fasteners | Card, Wood strips. Glue (2) |
| Curriculum Links | History - Great Fire of London. (1) | Science - animal habitats. | Geography - learning about the UK. (1) |
| Trips/Extra activities | Winter Fair | | |




Year 2 Skills Overview

| Design | Make | Evaluate | Technical Knowledge |
|---|---|---|--|
| <p>Understanding context, users and purposes. Generating, developing, modelling and communicating ideas.</p> | <p>Practical skills and techniques.</p>  | <p>Consider and assess a product.</p>  | <p>Making a product work.</p>  |
| <p>Use knowledge of a range of products to support plans and designs.</p> <p>Talk about and disassemble products and describe their function.</p> <p>Use simple prototypes, labelled sketches and detailed instructions in plans and design.</p> <p>Talk in depth about ideas, plans and reasons for choices.</p> | <p>Select materials and components according to known characteristics and functions.</p> <p>Select and use an increasing range of tools to cut, shape and join materials and components.</p> <p>Use a ruler to measure and mark lines for cutting.</p> <p>Make and use gluing tabs.</p> <p>Make simple paper models mock-ups and templates.</p> <p>Select an appropriate way to improve the appearance of a product.</p> <p>Follow procedures for safety.</p> | <p>Investigate and compare a range of similar existing products.</p> <p>Compare and contrast the similarities and differences of products with the same function.</p> <p>Evaluate ideas and products against design criteria, and suggest ways in which products can be improved.</p> | <p>Begin to understand how freestanding structures can be made stronger, stiffer and more stable.</p> <p>Explore and use mechanisms such as levers, sliders, wheels and axles in products.</p> <p>Use the correct technical vocabulary for projects.</p> |

Year 2 Curriculum Content

| | Autumn | Spring | Summer |
|------------------------|--|---|---|
| Overview | Wheels, axles and pulleys (1) Winter Fair Product (2) | Food Technology (1) | Textiles (1) |
| Final Outcome | Edwardian toy car (1) | Party tarts | Seaside textile collage picture |
| Key skills | <p>Construct cuboids of different sizes from a net. (1)</p> <p>Attach wheels to a chassis using an axle –e.g. cotton reels and dowel. (1)</p> <p>Attach a fixed axle to a chassis and add wheels ensuring that they can move freely. (1)</p> <p>Construct a simple pulley using rope over a horizontal bar to raise an object off the ground. (1)</p> <p>Construct a pulley that allows a load to travel horizontally along a rope. (1)</p> <p>Use construction kits with gears to construct a line of gears that turn. (1)</p> <p>Use construction kits with gears to mesh gears at right angles. (1)</p> | <p>Sort and classify an increasing range of food according to specific food groups e.g. proteins, carbohydrates, fats etc.</p> <p>Begin to identify where food groups come from - animals or plants.</p> <p>Know that everyone should eat at least 5 portions of fruit or vegetables every day.</p> <p>Measure and weigh using standard units and scales.</p> <p>Use techniques such as cutting, peeling and grating safely.</p> <p>Work safely and hygienically.</p> | <p>Talk about the similarities and differences between textiles based on the characteristics of an increasing range of materials.</p> <p>Use a simple template.</p> <p>Use a simple pattern with increasing accuracy.</p> <p>Join fabrics using glue, staples and thread.</p> <p>Cut and join fabrics using running stitch, buttons and bond web.</p> <p>Decorate fabric by applying beads and sequins.</p> |
| Key vocabulary | Cuboid, axle, chassis, pulley, gears. (1) | Protein, carbohydrate, fats, standard units, cut, peel, grate, hygiene. | Running stitch, buttons, bond web, template, pattern. |
| Required resources | Dowel, wooden wheels, tech card, axle supports, hot glue sticks and gun, hacksaws, card elastic bands. (1) | Flour, fat ... children to choose own fillings. | Felt, cotton, thread, needles, fabric glue, sequins, beads, netting, ribbon, aida. |
| Curriculum links | History - Titanic topic. | | Geography - comparison of geographical areas. |
| Trips/Extra activities | Winter Fair | | Science Festival (2) |

Year 3 Skills Overview




| Design | Make | Evaluate | Technical Knowledge |
|--|---|--|--|
| <p>Understanding context, users and purposes. Generating, developing, modelling and communicating ideas.</p> | <p>Practical skills and techniques.</p>  | <p>Consider and assess a product.</p>  | <p>Making a product work.</p>  |
| <p>Use research to develop design criteria that are fit for purpose.</p> <p>Disassemble products and describe in detail their functions.</p> <p>Use annotated sketches, cross-sectional, exploded diagrams and increasingly complex prototypes.</p> <p>Support discussions about ideas, plans and designs with relevant information.</p> | <p>Select from and use a wide range of materials and components according to both functional and aesthetic qualities.</p> <p>Select and use tools and equipment to measure, mark out and shape materials and components.</p> <p>Insert paper fasteners for card linkages.</p> <p>Make increasingly complex paper models, mock-ups and templates.</p> <p>Select the most effective finish to enhance the appearance of a product.</p> <p>Follow procedures for safety.</p> | <p>Investigate and begin to analyse a range of existing products.</p> <p>Use knowledge of similarities and differences between products with the same function to support identification of most effective product.</p> <p>Evaluate ideas and products against own design criteria, taking into account the views of others.</p> | <p>Begin to know how to use learning from science and mathematics to help design and make products that work.</p> <p>Begin to understand that materials have functional and aesthetic qualities.</p> <p>Recognise that materials can be combined and mixed to create more useful characteristics.</p> <p>Begin to know how mechanical systems such as levers and linkages create movement.</p> |

Year 3 Curriculum Content

| | Autumn | Spring 2 | Summer |
|---------------|---|---|---|
| Overview | Winter Fair Product | Mechanisms | Food Technology (1) Textiles (2) |
| Final Outcome | A Christmas card with moving parts | Diorama of a scene from 'Charlotte's Web'. | Greek style bread products. (1) 'Greek' style purse - use of flap, button, strap etc.(2) |
| Key skills | <p>Deconstruct and reconstruct a range of levers and sliders.</p> <p>Create a range of levers and sliders to produce horizontal and vertical movement.</p> <p>Combine sliders and levers to produce a range of movements.</p> | <p>Deconstruct and reconstruct a range of levers and sliders.</p> <p>Create a range of levers and sliders to produce horizontal and vertical movement.</p> <p>Combine sliders and levers to produce a range of movements.</p> | <p>Know that a healthy diet is made up of a variety and balance of different food and drink as depicted in the Eatwell Plate. (1)</p> <p>Understand that food has to be grown, farmed or caught - in Europe and the wider world. (1)</p> <p>Use a wider variety of ingredients and basic techniques to prepare and combine ingredients safely. (1)</p> <p>Prepare simple dishes - using a heat source if necessary. (1)</p> <p>Demonstrate hygienic food preparation and storage. (1)</p> <p>Convert measures and weigh using standard and imperial units. (1)</p> <p>Give reasons for the selection of fabrics and techniques based on knowledge of characteristics. (2)</p> <p>Support reasons for selections with justifiable evidence and facts. (2)</p> <p>Make and use a simple paper pattern that includes a seam allowance. (2)</p> <p>Join fabrics in a range of different ways using zips, tie clasps, toggles, press-studs and buttons. (2)</p> <p>Sew using a range of stitches such as running stitch and over sewing. (2)</p> |

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|------------------------|--|--|--|
| | | | Use a wide range of techniques to add colour, texture and pattern to fabric. (2) |
| Key vocabulary | Lever, slider, mechanism, horizontal, vertical, pop-up. | Lever, slider, mechanism, horizontal, vertical. | Variety, balance, grown, reared, caught, ingredients, prepare, combine, hygiene, convert, standard, imperial (1) Fabric, seam, zips, toggles, press studs, over-sewing texture. (2) |
| Required resources | Card, paper, split pins, paint, felt tips, glue, double sided tape, decorative elements. | Card, paper, split pins, paint, felt tips, glue, double sided tape, decorative elements. | Flour, salt, yeast, olives, sundried tomatoes etc. (1) Fabric, selection of fasteners (buttons, zips, toggles, press studs etc) thread, beads etc for decoration. (2) |
| Curriculum Links | | English - 'Charlotte's Web' text. | Geography - Greek topic. |
| Trips/Extra activities | Winter Fair | | |

Year 4 Skills Overview

| Design | Make | Evaluate | Technical Knowledge |
|---|--|--|---|
| <p>Understanding context, users and purposes. Generating, developing, modelling and communicating ideas.</p> | <p>Practical skills and techniques.</p>  | <p>Consider and assess a product.</p>  | <p>Making a product work.</p>  |
| <p>Generate plans and designs based on research and ideas that take account of the users' views and the intended purpose.</p> <p>Produce detailed designs and plans using prototypes, commentary and diagrams that include accurate measurements.</p> <p>Link discussions about ideas, plans and designs to the investigation, disassembly and evaluation of a range of products describing in detail their parts and their function.</p> | <p>Select a range of appropriate tools to cut, shape and join materials and components effectively.</p> <p>Select and use tools and equipment to measure, mark out and shape materials and components accurately.</p> <p>Use a G clamp effectively.</p> <p>Use a hacksaw safely.</p> <p>Join and combine materials and components in permanent and temporary ways.</p> <p>Make a range of complex paper models, mock-ups and templates.</p> <p>Produce a well-finished product that fulfils the functional and aesthetic design criteria.</p> <p>Follow procedures for safety.</p> | <p>Investigate and use analysis of existing products to inform own work.</p> <p>Identify, from a range, the key features and functions needed to create an effective and efficient working product.</p> <p>Give reasons, supported by factual evidence, for the success of aspects of a product.</p> | <p>Use learning from science and mathematics to help design and make products that work.</p> <p>Understand that materials have functional and aesthetic qualities and apply this thinking to their own products.</p> <p>Know that mechanical systems such as levers and linkages create movement.</p> <p>Know that simple electrical circuits and components can be used to create functional products.</p> |

Year 4 Curriculum Content

| | Autumn | Spring | Summer |
|----------------|---|---|--|
| Overview | Winter Fair Product (2a) Structures (2b) | Structures (cont) (1) Electrical and Mechanical Components (2) | Food Technology (1 & 2) |
| Final Outcome | Christmas stockings (2a) Greek Temples (2b) | Table top fan | Summer fruits crumble Summer fruits sorbet |
| Key skills | <p>Deconstruct and assemble the net of a range of basic 3D shapes. (2b)</p> <p>Create nets of increasingly complex 3D shapes which include the addition of gluing tabs. (2b)</p> <p>Join 2D frames to create 3D structures. (2b)</p> <p>Reinforce and strengthen 3D frameworks using the concept of 'triangulation'. (2b)</p> <p>Make rectangular frames of different sizes using strip wood, reinforcing with cross braces. (2b)</p> <p>Use a range of materials to make joints e.g. card strips, elastic bands, thread, ties and plastic tubing. (2b)</p> <p>Explain in detail why some structures fail. (2b)</p> <p>Shape and stitch materials.(2a)</p> <p>Use basic cross- stitch and back stitch.(2a)</p> <p>Colour fabric. (2a)</p> | <p>Identify key features of electrical safety and discuss in depth these hazards and safety issues associated with electricity.</p> <p>Create and explore circuits incorporating a battery, bulb, switch, buzzer, motor and wires.</p> <p>Describe how circuits can be created and controlled.</p> <p>Explore and explain how the direction and speed of an electrical motor can be controlled.</p> | <p>Understand that to be active and healthy, food and drink are needed to provide energy for the body.</p> <p>Understand seasonality and the advantages of eating seasonal and locally produced food.</p> <p>Read and follow recipes that involve several processes, skills and techniques.</p> <p>Talk about the impact of changing proportions within a recipe and use knowledge of food and recipes to adapt or create new recipes.</p> <p>Talk in scientific terms about the physical and chemical changes that take place when food is cooked e.g. heated and cooled.</p> |
| Key vocabulary | Net, 3D shapes, tabs, triangulation, reinforce, cross braces, joints. (2b) | Circuit, battery/cell, bulb, switch, buzzer, motor, wires, hazards. | Active, healthy, energy, seasonal, locally produced, proportions, physical and chemical changes, hygiene. |

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|------------------------|---|--|---|
| Required resources | Balsa wood, hot glue gun, glue sticks, wood glue, paper, card, craft knives, hacksaw, 1cmx1cm wood strips. (2b) | Batteries, wires, bulbs, motors, buzzers, bulb holders, battery holders. | Oats, brown sugar, flour, cinnamon, seasonal fruit, caster sugar. |
| Curriculum links | History - Ancient Greeks unit. | Science - Electricity unit. | Science - States of Matter unit. |
| Trips/Extra activities | | | Science Festival (2) |




Year 5 Skills Overview

| Design | Make | Evaluate | Technical Knowledge |
|---|--|--|---|
| <p>Understanding context, users and purposes. Generating, developing, modelling and communicating ideas.</p> | <p>Practical skills and techniques.</p>  | <p>Consider and assess a product.</p>  | <p>Making a product work.</p>  |
| <p>Clarify and justify plans, designs and ideas by drawing upon and using a range of relevant sources of information.</p> <p>Produce detailed designs and plans drawn to scale from a range of viewpoints, using pattern pieces and computer aided design packages effectively.</p> <p>Discuss ways in which ideas, plans and designs are formed and modified to ensure that the design criteria are met effectively.</p> | <p>Select a range of appropriate tools to cut, shape and join materials with accuracy and precision.</p> <p>Use an increasing range of tools and equipment to measure, mark out and shape materials and components accurately.</p> <p>Use a drill to make an off-centre hole.</p> <p>Join and combine a range of materials and components using the most effective permanent and temporary way.</p> <p>Make (and adapt, where necessary) complex mock-ups and templates.</p> <p>Identify and apply an appropriate finishing technique to ensure a high quality end product which meets the design criteria.</p> <p>Follow safety procedures.</p> | <p>Use analysis of existing products supported by accurate, factual information to inform own work.</p> <p>Test and evaluate products to identify the variants, which may affect the function of a product.</p> <p>Give reasons, supported by factual evidence for the success of aspects of a product and provide considered solutions to resolve those parts that could be improved.</p> | <p>Use learning from science, mathematics and other subjects to help design and make products that work.</p> <p>Understand that materials have functional and aesthetic qualities and apply this thinking successfully to their own products.</p> <p>Know that mechanical and electrical systems have an input process and output.</p> <p>Program a computer to control their products.</p> <p>Make strong, stiff shell structures for a purpose.</p> |

Year 5 Curriculum Content

| | | | |
|-------------------------------|---|--|--|
| Overview | Electrical & Mechanical Components (1) Winter Fair Product (2) | Food Technology | Wheels, axles and pulleys. (2) |
| Final Outcome | Electric space buggy. (1) Christmas tea-light lanterns. (2) | Themed buttery biscuits. | Creating a machine to lift and carry materials for a den. (2) |
| Key skills | <p>Explore and describe how switches can be used in a range of circuits to control components. (lights in a lighthouse, a movement sensor in a burglar alarm) (1)</p> <p>Explore and discuss ways in which electricity can be used to control movement. (1)</p> <p>Explore and use an increasing range of complex control systems e.g. (a light sensor) (1)</p> | <p>Know and understand the practice needed in terms of food hygiene and kitchen safety.</p> <p>Understand how a variety of ingredients are grown, reared, caught and processed to make them safe and palatable/tasty to eat.</p> <p>Know how to prepare and cook a range of predominately savoury dishes - where appropriate, use a heat source.</p> <p>Compare commercial and domestic processes for producing food e.g. bread.</p> <p>Use a range of techniques such as peeling and chopping.</p> <p>Weigh and measure dry ingredients and liquids accurately.</p> | <p>Describe in detail the way in which an axle and chassis help a vehicle to move. (2)</p> <p>Use a range of different ways to attach an axle to a chassis (card triangles, drilled holes, cable clips, pegs) (2)</p> <p>Design and build a working model where the direction of movement can be controlled. (2)</p> <p>Identify, describe and evaluate products that contain pulleys and drive belts. (2)</p> <p>Construct a pulley that allows a load to travel horizontally along a rope. (2)</p> <p>Use construction kits with gears to mesh gears at right angles. Explain how the number of teeth of a gear affects the speed of rotation. (2)</p> |
| Key vocabulary | Components, control, circuit, sensor. | Processes, processed, palatable, savoury, commercial, domestic. | Axle, chassis, pulley, drive belt, gears, rotation. (2) |
| Required resources | Motors, wires, batteries, hot glue sticks, buzzers, bulbs, 1cm x 1cm wood strips, wooden wheels, axle supports, lynx jointers. (1) | Flour, sugar, butter, vanilla essence, eggs, decorations. | 1cm x 1cm wood strips, dowel, wooden wheels, elastic bands, hot glue sticks, axle supports, lynx jointers. (2) |
| Curriculum Links | Science - Earth and Space unit. | | Geography - Rainforest? (2) |
| Trips/Extra activities | K'Nex Challenge | K'Nex Challenge final. | |

Year 6 Skills Overview

| Design | Make | Evaluate | Technical Knowledge |
|---|---|--|---|
| <p>Understanding context, users and purposes. Generating, developing, modelling and communicating ideas.</p> | <p>Practical skills and techniques.</p>  | <p>Consider and assess a product.</p>  | <p>Making a product work.</p>  |
| <p>Clarify and justify plans, designs and ideas by drawing upon and using a range of relevant sources of information.</p> <p>Produce detailed designs and plans drawn to scale from a range of viewpoints, using pattern pieces and computer aided design packages effectively.</p> <p>Discuss ways in which ideas. Plans and designs are formed and modify to ensure that the design criteria are met effectively.</p> | <p>Select a range of appropriate tools to cut, shape and join materials with accuracy and precision.</p> <p>Use an increasing range of tools and equipment to measure, mark out and shape materials and components accurately.</p> <p>Use a drill to make an off-centre hole.</p> <p>Join and combine a range of materials and components using the most effective permanent and temporary way.</p> <p>Make(and adapt where necessary) complex mock-ups and templates.</p> <p>Identify and apply an appropriate finishing technique to ensure a high quality end product which meets the design criteria.</p> <p>Follow safety procedures.</p> | <p>Use analysis of existing products supported by accurate, factual information to inform own work.</p> <p>Test and evaluate products to identify the variants, which may affect the function of a product.</p> <p>Give reasons, supported by factual evidence for the success of aspects of a product and provide considered solutions to resolve those parts that could be improved.</p> | <p>Use learning from science, mathematics and other subjects to help design and make products that work.</p> <p>Understand that materials have functional and aesthetic qualities and apply this thinking successfully to their own products.</p> <p>Know that mechanical and electrical systems have an input process and output.</p> <p>Program a computer to control their products.</p> <p>Make strong, stiff shell structures for a purpose.</p> |

Year 6 Curriculum Content

| | Autumn 1 | Spring | Summer |
|------------------------|--|--|---|
| Overview | Structures | Mechanisms (pneumatics and cams) | Food Technology |
| Final Outcome | Scale model of a WWII air raid shelter (Anderson or Morrison style shelter). | Creating a moving model/toy of an animal suitable for a Y6 child to display. | Children to design and make their own 'fakeaway' (home cooked takeaway) -burger, kebab, pizza, wrap etc. |
| Key skills | <p>Create nets and templates accurately in a range of sizes.</p> <p>Select the most appropriate method to strengthen 3D structures and frames.</p> <p>Investigate, measure and record the load tolerance of different structures and find ways of improving a structures load-bearing capacity.</p> <p>Build a range of structures using a wide range of effective materials taking into account their respective properties.</p> <p>Apply a range of finishing techniques including those from art and design, to a broad range of materials.</p> | <p>Use a range of technical vocabulary to describe the properties and functions of mechanisms.</p> <p>Construct a pneumatic toy model with two moving parts.</p> <p>Generate questions to investigate and compare and analyse the efficiency of pneumatic systems.</p> <p>Describe the way in which a cam changes rotary motion into linear motion.</p> <p>Discuss the relationship between a cam and follower, an off-centre cam, a peg cam, a pear-shaped cam and a snail cam.</p> | <p>Understand that different food and drink contain different substances - nutrients, water and fibre - that are needed for health - including the implications of excess and deficiency.</p> <p>Know that seasons may affect the food available.</p> <p>Know that food is processed into ingredients that can be eaten or used in cooking.</p> <p>Use a range of techniques such as peeling, chopping, slicing, grating, mixing, spreading and kneading.</p> <p>Understand the principles of cleaning to prevent cross contamination, chilling foods thoroughly and reheating food until steaming hot.</p> <p>Know and understand the practice needed in terms of food hygiene and kitchen safety.</p> |
| Key vocabulary | Properties, load tolerance. | Pneumatic, rotary motion, linear motion, cam, off-centre cam, peg cam, pear-shaped cam, snail cam. | Nutrients, fibre, deficiency, contamination, chilling, reheating. |
| Required resources | Card, tape, glue, paint, materials chosen at the time ... eg netting, fabric etc. | Card, syringes, plastic tubing | Dependent on food choices made by children. |
| Curriculum links | History - WWII topic. | Science - Evolution and Adaptation unit - animals must have over exaggerated features based on evolution and adaptation. | Science - Autumn 1 - Living things and their habitats unit. |
| Trips/Extra activities | Winter Fair | | |