В	Autumn	Spring	Summer
Elm and Ash	Mechanisms – Sliders and Levers Prior learning  Early experiences of working with paper and card to make simple flaps and hinges.  Experience of simple cutting, shaping and joining skills using scissors, glue, paper fasteners and masking tape.  Designing  Generate ideas based on simple design criteria and their own experiences, explaining what they could make.  Develop, model and communicate their ideas through drawings and mock-ups with card and paper.  Making  Plan by suggesting what to do next.  Select and use tools, explaining their choices, to cut, shape and join paper and card.  Use simple finishing techniques suitable for the product they are creating.  Evaluating  Explore a range of existing books and everyday products that use simple sliders and levers.  Evaluate their product by discussing how well it works in relation to the purpose and the user and whether it meets design criteria.	Structures – Freestanding Structures Prior learning  • Experience of using construction kits to build walls, towers and frameworks.  • Experience of using of basic tools e.g. scissors or hole punches with construction materials e.g. card  • Experience of different methods of joining card and paper.  Designing  • Generate ideas based on simple design criteria and their own experiences, explaining what they could make.  • Develop, model and communicate their ideas through talking, mock-ups and drawings.  Making  • Plan by suggesting what to do next.  • Select and use tools, skills and techniques, explaining their choices.  • Select new and reclaimed materials and construction kits to build their structures.  • Use simple finishing techniques suitable for the structure they are creating.  Evaluating  • Explore a range of existing freestanding structures in the school and local environment e.g. everyday products and buildings.  • Evaluate their product by discussing how well it works in relation to the purpose, the user and whether it meets the original design criteria.  Technical knowledge and understanding  • Know how to make freestanding structures stronger, stiffer and more stable.  • Know and use relevant technical vocabulary	Food – Preparing Fruit and Vegetables Prior learning  Experience of common fruit and vegetables, undertaking sensory activities i.e. appearance, taste  Experience of cutting soft fruit and vegetables using appropriate utensils.  Designing  Design appealing products for a particular user based on simple design criteria.  Generate initial ideas and design criteria through investigating a variety of fruit and vegetables.  Communicate these ideas through talk and drawings.  Making  Use simple utensils and equipment to e.g. peel, cut, slice, squeeze, grate and chop safely.  Select from a range of fruit and vegetables according to their characteristics e.g. colour, texture and taste to create a chosen product.  Evaluating  Taste and evaluate a range of fruit and vegetables to determine the intended user's preferences.  Evaluate ideas and finished products against design criteria, including intended user and purpose.  Technical knowledge and understanding  Understand where a range of fruit and vegetables come from e.g. farmed or grown at home.  Understand and use basic principles of a healthy and varied diet to prepare dishes, including how fruit and vegetables are part of The Eatwell Guide.  Know and use technical and sensory vocabulary relevant to the project.

# Oak

# WHOLE SCHOOL PROGRESSION PLANNING: DESIGN TECHNOLOGY

# Textiles – 2D Shape to 3D Product

# **Prior learning**

- Joined fabric by gluing and stitching and used simple patterns and templates for marking out.
- Have evaluated a range of textile products.

# Designing

- Generate realistic ideas through discussion and design criteria for an appealing, functional product fit for purpose and specific user/s.
- Produce annotated sketches, prototypes, final product sketches and pattern pieces.

# Making

- Plan the main stages of making.
- Select and use a range of appropriate tools with some accuracy e.g. cutting, joining and finishing.
- Select fabrics and fastenings according to their functional characteristics e.g. strength, and aesthetic qualities e.g. pattern.

# **Evaluating**

- Investigate a range of 3-D textile products relevant to the project.
- Test their product against the original design criteria and with the intended user.
- Take into account others' views.
- Understand how a key event/individual has influenced the development of the chosen product and/or fabric.

# Technical knowledge and understanding

- Know how to strengthen, stiffen and reinforce existing fabrics.
- Understand how to securely join two pieces of fabric together.
- Understand the need for patterns and seam allowances.
- Know and use relevant technical vocabulary

# **Structures - Shell Structures**

# **Prior learning**

- Experience of using different joining, cutting and finishing techniques with paper and card.
- A basic understanding of 2-D and 3-D shapes in mathematics and the physical properties and everyday uses of materials in science.
- Familiarity with general purpose software that can be used to draw accurate shapes.

# Designing

- Collaboratively generate realistic ideas and design criteria, focusing on the needs of the user and the functional and aesthetic purposes of the product.
- Develop ideas through the analysis of existing shell structures and use computer-aided design to model and communicate ideas.

#### Making

- Plan the order of the main stages of making.
- Select and use appropriate tools and software to measure, mark out, cut, score, shape and assemble with some accuracy.
- Explain their choice of materials according to functional properties and aesthetic qualities.
- Use computer-generated finishing techniques suitable for the product they are creating.

#### **Evaluating**

- Investigate and evaluate a range of shell structures including the materials, components and techniques that have been used.
- Test and evaluate their own products against design criteria and the intended user and purpose.

# Technical knowledge and understanding

- Develop and use knowledge of nets of cubes and cuboids and, where appropriate, more complex 3D shapes.
- Develop and use knowledge of how to construct strong, stiff shell structures.
- Know and use relevant technical vocabulary

# **Food – Healthy and Varied Diet**

# **Prior learning**

- Know some ways to prepare ingredients safely and hygienically.
- Have some basic knowledge and understanding about healthy eating and *The Eatwell Guide*.
- Have used some equipment and utensils and prepared and combined ingredients to make a product.

# Designing

- Generate and clarify ideas through discussion with peers and adults to develop design criteria including appearance, taste, texture and aroma for an appealing product for a particular user and purpose.
- Use annotated sketches and appropriate information and communication technology, such as web-based recipes, to develop and communicate ideas.

# Making

- Plan the main stages of a recipe, listing ingredients, utensils and equipment.
- Select and use appropriate utensils and equipment to prepare and combine ingredients.
- Select from a range of ingredients to make appropriate food products, thinking about sensory characteristics.

# **Evaluating**

- Carry out sensory evaluations of a variety of ingredients and products. Record the evaluations using e.g. tables and simple graphs.
- Evaluate the ongoing work and the final product with reference to the design criteria and the views of others.

- Know how to use appropriate equipment and utensils to prepare and combine food.
- Know about a range of fresh and processed ingredients appropriate for their product, and whether they are grown, reared or caught.
- Know and use relevant technical and sensory vocabulary appropriately.

# Beech

# WHOLE SCHOOL PROGRESSION PLANNING: DESIGN TECHNOLOGY

# **Textiles – 2D Shape to 3D Product**

# **Prior learning**

- Have joined fabric in simple ways by gluing and stitching.
- Have used simple patterns and templates for marking out.
- Have evaluated a range of textile products.

# Designing

- Generate realistic ideas through discussion and design criteria for an appealing, functional product fit for purpose and specific user/s.
- Produce annotated sketches, prototypes, final product sketches and pattern pieces.

# Making

- Plan the main stages of making.
- Select and use a range of appropriate tools with some accuracy e.g. cutting, joining and finishing.
- Select fabrics and fastenings according to their functional characteristics e.g. strength, and aesthetic qualities e.g. pattern.

# **Evaluating**

- Investigate a range of 3-D textile products relevant to the project.
- Test their product against the original design criteria and with the intended user.
- Take into account others' views.
- Understand how a key event/individual has influenced the development of the chosen product and/or fabric.

# Technical knowledge and understanding

- Know how to strengthen, stiffen and reinforce existing fabrics.
- Understand how to securely join two pieces of fabric together.
- Understand the need for patterns and seam allowances.
- Know and use technical vocabulary relevant to the project.

#### **Structures - Shell Structures**

# **Prior learning**

- Experience of using different joining, cutting and finishing techniques with paper and card.
- A basic understanding of 2-D and 3-D shapes in mathematics and the physical properties and everyday uses of materials in science.
- Familiarity with general purpose software that can be used to draw accurate shapes, such as Microsoft Word **Designing**

# • Generate realistic ideas and design criteria collaboratively through discussion, focusing on the needs of the user and the functional and aesthetic purposes of

• Develop ideas through the analysis of existing shell structures and use computer-aided design to model and communicate ideas.

#### Making

the product.

- Plan the order of the main stages of making.
- Select and use appropriate tools and software to measure, mark out, cut, score, shape and assemble with some accuracy.
- Explain their choice of materials according to functional properties and aesthetic qualities.
- Use suitable computer-generated finishing techniques.

# Evaluating

- Investigate and evaluate a range of shell structures including the materials, components and techniques that have been used.
- Test and evaluate their own products against design criteria and the intended user and purpose.

# Technical knowledge and understanding

- Develop and use knowledge of nets of cubes and cuboids and, where appropriate, more complex 3D shapes.
- Develop and use knowledge of how to construct strong, stiff shell structures.
- Know and use relevant technical vocabulary

# **Food – Healthy and Varied Diet**

# **Prior learning**

- Know some ways to prepare ingredients safely and hygienically.
- Have some basic knowledge and understanding about healthy eating and *The Eatwell Guide*.
- Have used some equipment and utensils and prepared and combined ingredients to make a product.

# Designing

- Generate and clarify ideas through discussion with peers and adults to develop design criteria including appearance, taste, texture and aroma for an appealing product for a particular user and purpose.
- Use annotated sketches and appropriate information and communication technology, such as web-based recipes, to develop and communicate ideas.

#### Making

- Plan the main stages of a recipe, listing ingredients, utensils and equipment.
- Select and use appropriate utensils and equipment to prepare and combine ingredients.
- Select from a range of ingredients to make appropriate food products, thinking about sensory characteristics.

#### **Evaluating**

- Carry out sensory evaluations of a variety of ingredients and products. Record the evaluations using e.g. tables and simple graphs.
- Evaluate the ongoing work and the final product with reference to the design criteria and the views of others.

- Know how to use appropriate equipment and utensils to prepare and combine food.
- Know about a range of fresh and processed ingredients appropriate for their product, and whether they are grown, reared or caught.
- Know and use relevant technical and sensory vocabulary appropriately.

# **Textiles – Combining Different Fabric Shapes**

# **Prior learning**

- Experience of basic stitching, joining textiles and finishing techniques.
- Experience of making/using simple pattern pieces.

### Designing

- Generate innovative ideas by carrying out research including surveys, interviews and questionnaires.
- Develop, model and communicate ideas through talking, drawing, templates, mock-ups and prototypes and, where appropriate, computer- aided design.
- Design purposeful, functional, appealing products for the intended user that are fit for purpose based on a simple design specification.

# Making

- Produce detailed lists of equipment and fabrics relevant to their tasks.
- Formulate step-by-step plans and, if appropriate, allocate tasks within a team.
- Select from and use a range of tools and equipment to make products that are accurately assembled and well finished. Work within the constraints of time, resources and cost.

#### **Evaluating**

- Investigate and analyse textile products linked to their final product.
- Compare the final product to the original design specification.
- Test products with intended user and critically evaluate the quality of the design, manufacture, functionality and fitness for purpose.
- Consider the views of others to improve their work. Technical knowledge and understanding
- A 3-D textile product can be made from a combination of accurately made pattern pieces, fabric shapes and different fabrics.
- Fabrics can be strengthened, stiffened and reinforced where appropriate.

# **Structures – Frame Structures**

# **Prior learning**

- Experience of using measuring, marking out, cutting, joining, shaping and finishing techniques with construction materials.
- Basic understanding of what structures are and how they can be made stronger, stiffer and more stable.

### Designing

- Carry out research into user needs and existing products, using surveys, interviews, questionnaires and web-based resources.
- Develop a simple design specification to guide the development of their ideas and products, taking account of constraints including time, resources and cost.
- Generate, develop and model innovative ideas, through discussion, prototypes and annotated sketches. **Making**
- Formulate a clear plan, including a step-by-step list of what needs to be done and lists of resources to be used.
- Competently select from and use appropriate tools to accurately measure, mark out, cut, shape and join construction materials to make frameworks.
- Use finishing and decorative techniques suitable for the product they are designing and making.

# **Evaluating**

- Investigate and evaluate a range of existing frame structures.
- Critically evaluate their products against their design specification, intended user and purpose, identifying strengths and areas for development, and carrying out appropriate tests.
- Research key events and individuals relevant to frame structures.

# Technical knowledge and understanding

- Understand how to strengthen, stiffen and reinforce 3-D frameworks.
- Know and use relevant technical vocabulary

# Food - Celebrating Culture and Seasonality

# **Prior learning**

- Have knowledge and understanding about food hygiene, nutrition, healthy eating and a varied diet.
- Use appropriate equipment, utensils, & techniques for measuring out, preparing and combining ingredients.

# Designing

- Generate innovative ideas through research and discussion with peers and adults to develop a design brief and criteria for a design specification.
- Explore a range of initial ideas, and make design decisions to develop a final product linked to user and purpose.
- Use words, annotated sketches and ICT as appropriate to develop and communicate ideas.

#### Making

- Write a step-by-step recipe, including a list of ingredients, equipment and utensils
- Select and use appropriate utensils and equipment accurately to measure and combine ingredients.
- Make, decorate and present the food product appropriately for the intended user and purpose.

# **Evaluating**

- Carry out sensory evaluations of a range of relevant products and ingredients. Record the evaluations using e.g. tables/graphs/charts such as star diagrams.
- Evaluate the final product referring back to the design brief and design specification, taking into account the views of others when identifying improvements.
- Understand how key chefs have influenced eating habits to promote varied and healthy diets.

- Know how to use utensils and equipment including heat sources to prepare and cook food.
- Understand about seasonality in relation to food products and the source of different food products.
- Know and use relevant technical and sensory vocabulary.

Α	Autumn 2022	Spring 2023	Summer 2023
Elm and Ash	Textiles – Templates and Joining Techniques Prior learning  Explored and used different fabrics.  Cut and joined fabrics with simple techniques.  Thought about the user and purpose of products.  Designing  Design a functional and appealing product for a chosen user and purpose based on simple design criteria.  Generate, develop, model and communicate their ideas as appropriate through talking, drawing, templates, mock-ups and information and communication technology.  Making  Select from and use a range of tools and equipment to perform practical tasks such as marking out, cutting, joining and finishing.  Select from and use textiles according to their characteristics.  Evaluating  Explore and evaluate a range of existing textile products relevant to the project being undertaken.  Evaluate their ideas throughout and their final products against original design criteria.  Technical knowledge and understanding  Understand how simple 3-D textile products are made, use a template to create two identical shapes.  Understand how to join fabrics using different techniques e.g. running stitch, glue, over stitch, stapling.  Explore different finishing techniques e.g. using painting, fabric crayons, stitching, sequins, buttons and ribbons.  Know and use relevant technical vocabulary.	• Develop and communicate ideas through drawings and mock-ups.	Food – Preparing Fruit and Vegetables Prior learning  Experience of common fruit and vegetables, undertaking sensory activities i.e. appearance taste and smell.  Experience of cutting soft fruit and vegetables using appropriate utensils.  Designing  Design appealing products for a particular user based on simple design criteria.  Generate initial ideas and design criteria through investigating a variety of fruit and vegetables.  Communicate these ideas through talk and drawings.  Making  Use simple utensils and equipment to e.g. peel, cut, slice, squeeze, grate and chop safely.  Select from a range of fruit and vegetables according to their characteristics e.g. colour, texture and taste to create a chosen product.  Evaluating  Taste and evaluate a range of fruit and vegetables to determine the intended user's preferences.  Evaluate ideas and finished products against design criteria, including intended user and purpose.  Technical knowledge and understanding  Understand where a range of fruit and vegetables come from e.g. farmed or grown at home.  Understand and use basic principles of a healthy and varied diet to prepare dishes, including how fruit and vegetables are part of The Eatwell Guide.  Know and use technical and sensory vocabulary relevant to the project.

# Oak

# WHOLE SCHOOL PROGRESSION PLANNING: DESIGN TECHNOLOGY

# **Mechanical Systems – Levers and Linkages**

# **Prior learning**

- Explored and used mechanisms such as flaps, sliders and levers.
- Gained experience of basic cutting, joining and finishing techniques with paper and card.

# Designing

- Generate realistic ideas and their own design criteria through discussion, focusing on the needs of the user.
- Use annotated sketches and prototypes to develop model and communicate ideas.

# Making

- Order the main stages of making.
- Select from and use appropriate tools with some accuracy to cut, shape and join paper and card.
- Select from and use finishing techniques suitable for the product they are creating.

# **Evaluating**

- Investigate and analyse books and, where available, other products with lever and linkage mechanisms.
- Evaluate their own products and ideas against criteria and user needs, as they design and make.

# Technical knowledge and understanding

- Understand and use lever and linkage mechanisms.
- Distinguish between fixed and loose pivots.
- Know and use technical vocabulary relevant to the project.

# **Food – Healthy and Varied Diet**

### **Prior learning**

- Know some ways to prepare ingredients safely and hygienically.
- Have some basic knowledge and understanding about healthy eating and *The Eatwell Guide*.
- Have used some equipment and utensils and prepared and combined ingredients to make a product.

# Designing

- Generate and clarify ideas through discussion with peers and adults to develop design criteria including appearance, taste, texture and aroma for an appealing product for a particular user and purpose.
- Use annotated sketches and appropriate information and communication technology, such as web-based recipes, to develop and communicate ideas.

# Making

- Plan the main stages of a recipe, listing ingredients, utensils and equipment.
- Select and use appropriate utensils and equipment to prepare and combine ingredients.
- Select from a range of ingredients to make appropriate food products, thinking about sensory characteristics.

#### **Evaluating**

- Carry out sensory evaluations of a variety of ingredients and products. Record the evaluations using e.g. tables and simple graphs.
- Evaluate the ongoing work and the final product with reference to the design criteria and the views of others.

# Technical knowledge and understanding

- Know how to use appropriate equipment and utensils to prepare and combine food.
- Know about a range of fresh and processed ingredients appropriate for their product, and whether they are grown, reared or caught.
- Know and use relevant technical and sensory vocabulary appropriately.
- Understand and use basic principles of a healthy and varied diet to prepare dishes, including how fruit and vegetables are part of *The Eatwell Guide*.

# **Mechanisms - Pneumatics**

# **Prior learning**

- Explored simple mechanisms, such as sliders and levers, and simple structures.
- Learnt how materials can be joined to allow movement.
- Joined and combined materials using simple tools and techniques.

# Designing

- Generate realistic and appropriate ideas and their own design criteria through discussion, focusing on the needs of the user.
- Use annotated sketches and prototypes to develop, model and communicate ideas.

# Making

- Order the main stages of making.
- Select from and use appropriate tools with some accuracy to cut and join materials and components such as tubing, syringes and balloons.
- Select from and use finishing techniques suitable for the product they are creating.

#### **Evaluating**

- Investigate and analyse books, videos and products with pneumatic mechanisms.
- Evaluate their own products and ideas against criteria and user needs, as they design and make.

- Understand and use pneumatic mechanisms.
- Know and use technical vocabulary relevant to the project.

#### Structures - Cams

# **Prior learning**

- Experience of axles, axle holders and wheels that are fixed or free moving.
- Basic understanding of different types of movement.
- Experience of cutting and joining techniques with a range of materials including card, plastic and wood.
- An understanding of how to strengthen and stiffen structures.

# Designing

- Generate innovative ideas by carrying out research using surveys, interviews, questionnaires and web-based resources.
- Develop a simple design specification.
- Develop and communicate ideas through discussion, annotated drawings, exploded drawings and drawings from different views.

#### Making

- Produce detailed lists of tools, equipment and materials. Formulate step-by-step plans and, if appropriate, allocate tasks within a team.
- Select from/use a range of tools/equipment to make products that are accurately assembled and well finished. Work within the constraints of time, resources and cost.

# **Evaluating**

- Compare final product to original design specification.
- Test products with the intended user, where safe and practical, and critically evaluate the quality of the design, manufacture, functionality and fitness for purpose.
- Consider the views of others to improve their work.
- Investigate famous manufacturing and engineering companies relevant to the project.

# Technical knowledge and understanding

- Understand that mechanical systems have an input, process and an output.
- Understand how cams can be used to produce different types of movement/change the direction of movement.
- Know and use relevant technical vocabulary

# **Electrical Systems - Simple programming and control**

# **Prior learning**

- Constructed a simple series electrical circuit, using bulbs, batteries, switches and buzzers.
- Cut and joined a variety of construction materials, such as wood, card, plastic, reclaimed materials and glue.

### Designing

- Gather information about users' needs and wants, and develop design criteria to inform the design of products that are fit for purpose.
- Generate, develop, model and communicate realistic ideas through discussion and, as appropriate, annotated sketches, cross-sectional and exploded diagrams.

# Making

- Order the main stages of making.
- Select from and use tools and equipment to cut, shape, join and finish with some accuracy.
- Connect simple electrical components and a battery in a series circuit to achieve a functional outcome.
- Program a standalone control box, microcontroller or interface box to enhance the way the product works.

#### **Evaluating**

- Investigate and analyse a range of existing battery-powered products, including pre-programmed and programmable products.
- Evaluate their ideas and products against their own design criteria and identify the strengths and areas for improvement in their work.

#### Technical knowledge and understanding

- Understand and use computing to program and control products containing electrical systems, such as series circuits incorporating switches, bulbs and buzzers.
- Know and use technical vocabulary relevant to the project.

# **Food – Celebrating Culture and Seasonality**

# **Prior learning**

- Have knowledge and understanding about food hygiene, nutrition, healthy eating and a varied diet.
- Be able to use appropriate equipment and utensils, and apply a range of techniques for combining ingredients.

# Designing

- Generate innovative ideas through research and discussion with peers and adults to develop a design brief and criteria for a design specification.
- Explore initial ideas, and make design decisions to develop a final product linked to user and purpose.
- Use words, annotated sketches and information and communication technology as appropriate to develop and communicate ideas.

# Making

- Write a step-by-step recipe, including a list of ingredients, equipment and utensils
- Select and accurately use appropriate utensils and equipment to measure/combine appropriate ingredients.
- Make, decorate and present the food product appropriately for the intended user and purpose.

# **Evaluating**

- Carry out sensory evaluations of a range of relevant products and ingredients. Record the evaluations using e.g. tables/graphs/charts such as star diagrams.
- Evaluate the final product with reference back to the design brief and design specification, taking into account the views of others when identifying improvements.
- Understand how key chefs have influenced eating habits to promote varied and healthy diets.

- Know how to use utensils and equipment including heat sources to prepare and cook food.
- Understand about seasonality in relation to food products and the source of different food products.
- Know and use relevant technical and sensory vocabulary.

# **Mechanisms - Pulleys and gears**

# **Prior learning**

- Experience of axles, axle holders and wheels that are fixed or free moving.
- Basic understanding of electrical circuits, simple switches and components.
- Experience of cutting and joining techniques with a range of materials including card, plastic and wood.
- An understanding of how to strengthen and stiffen structures.

# Designing

- Generate innovative ideas by carrying out research using surveys, interviews, questionnaires and web-based resources.
- Develop a simple design specification.
- Develop and communicate ideas through discussion, annotated drawings, exploded drawings and drawings from different views.

# Making

- Produce detailed lists of tools, equipment and materials. Formulate step-by-step plans and, if appropriate, allocate tasks within a team.
- Select from and use a range of tools/equipment to make products that are accurately assembled and well finished. Work within the constraints of time, resources and cost.

# **Evaluating**

- Compare final product to original design specification.
- Test products with intended user and critically evaluate the quality of the design, manufacture, functionality and fitness for purpose.
- Consider the views of others to improve their work.
- Investigate famous manufacturing and engineering companies relevant to the project.

# Technical knowledge and understanding

- Understand that mechanical and electrical systems have an input, process and an output.
- Understand how gears and pulleys can be used to speed up, slow down or change the direction of movement.

# **Electrical Systems – Monitoring and Control**

# **Prior learning**

- Initial experience of using computer control software and an interface box, a standalone box or microcontroller, e.g. Crumble.
- Some experience of writing and modifying a program to make a light turn on or flash on and off.
- Understanding of the essential characteristics of a series circuit and experience of creating a battery-powered, functional, electrical product.

# Designing

- Develop a design specification for a functional product that responds automatically to changes in the environment.
- Generate, develop and communicate ideas through discussion, annotated sketches and pictorial representations of electrical circuits or circuit diagrams.

#### Making

- Formulate a step-by-step plan to guide making, listing tools, equipment, materials and components.
- Competently select and accurately assemble materials, and securely connect electrical components to produce a reliable, functional product.
- Create and modify a computer control program to enable their electrical product to respond to changes in the environment.

#### **Evaluating**

- Continually evaluate and modify the working features of the product to match the initial design specification.
- Test the system to demonstrate its effectiveness for the intended user and purpose.

# Technical knowledge and understanding

- Understand and use electrical systems in their products.
- Understand the use of computer control systems in products.
- Apply their understanding of computing to program, monitor and control their products.
- Know and use relevant technical vocabulary.

# **Food – Celebrating Culture and Seasonality**

# **Prior learning**

- Have knowledge and understanding about food hygiene, nutrition, healthy eating and a varied diet.
- Be able to use appropriate equipment and utensils, and apply a range of techniques for combining ingredients.

# Designing

- Generate innovative ideas through research and discussion with peers and adults to develop a design brief and criteria for a design specification.
- Explore initial ideas, and make design decisions to develop a final product linked to user and purpose.
- Use words, annotated sketches and information and communication technology as appropriate to develop and communicate ideas.

#### Making

- Write a step-by-step recipe, including a list of ingredients, equipment and utensils
- Select and accurately use appropriate utensils and equipment to measure/combine appropriate ingredients.
- Make, decorate and present the food product appropriately for the intended user and purpose.

# **Evaluating**

- Carry out sensory evaluations of a range of relevant products and ingredients. Record the evaluations using e.g. tables/graphs/charts such as star diagrams.
- Evaluate the final product with reference back to the design brief and design specification, taking into account the views of others when identifying improvements.
- Understand how key chefs have influenced eating habits to promote varied and healthy diets.

- Know how to use utensils and equipment including heat sources to prepare and cook food.
- Understand about seasonality in relation to food products and the source of different food products.
- Know and use relevant technical and sensory vocabulary.