



# The DT Curriculum

# Year 1

## National Curriculum Objectives

#### Key stage 1

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making. They should work in a range of relevant contexts [for example, the home and school, gardens and playgrounds, the local community, industry and the wider environment].

When designing and making, pupils should be taught to:

#### Design

- design purposeful, functional, appealing products for themselves and other users based on design criteria
- generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

#### Make

- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]
- select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

#### Evaluate

- explore and evaluate a range of existing products
- evaluate their ideas and products against design criteria

#### Technical knowledge

- build structures, exploring how they can be made stronger, stiffer and more stable
- explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.

#### Key stage 2

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making. They should work in a range of relevant contexts [for example, the home, school, leisure, culture, enterprise, industry and the wider environment].

When designing and making, pupils should be taught to:

### Design

- use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

#### Make

- select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately
- select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

#### Evaluate

- investigate and analyse a range of existing products
- evaluate their ideas and products against their own design criteria and consider the views of others to improve their work
- understand how key events and individuals in design and technology have helped shape the world

### Technical knowledge

- apply their understanding of how to strengthen, stiffen and reinforce more complex structures
- understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]
- understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]
- apply their understanding of computing to program, monitor and control their products.

## 4 Cooking and nutrition

As part of their work with food, pupils should be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open a door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.

Pupils should be taught to:

### Key stage 1

- use the basic principles of a healthy and varied diet to prepare dishes
- understand where food comes from.

### Key stage 2

- understand and apply the principles of a healthy and varied diet
- prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques
- understand seasonality, and know where

## Year 1

# Autumn 2 - Textiles (Puppets)

## National Curriculum

## National Curriculum objectives:

- Explore and evaluate a range of existing products.
- Select from and use a wide range of tools and equipment to perform tasks.
- Design purposeful, functional, appealing products for themselves or other users based on design criteria.
- Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.
- Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing].
- Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.

# Cross-Curricular Links:

• English: Become familiar with stories, fairy tales and traditional tales, retelling them and considering their particular characteristics.

| Prior Learning   |   | Future Learning   |   |  |  |
|--|---|---|---|--|--|
| <ul> <li>EYFS:</li> <li>Develop threading and weaving skills.</li> <li>Develop their fine motor skills so that they can use a range of tools competently, safely and confidently.</li> <li>Created a product using a design.</li> <li>Reflected on what they have achieved.</li> </ul>   |   | <ul> <li>Year 2 <ul> <li>Know that sewing is a method of joining fabric.</li> <li>Know a running stitch is a style of sewing.</li> <li>Know the importance of tying a knot after sewing the final stitch.</li> </ul> </li> <li>Year 4 <ul> <li>Know that a fastening is something that holds two pieces of material together.</li> <li>Know that different fastening types are useful for different purposes.</li> </ul> </li> <li>Year 5 <ul> <li>Know that a blanket stitch is useful to reinforce edges of fabric or join two fabrics together.</li> <li>Know small, neat stitches which are pulled taut see important to ensure the toy is strong and holding stuffing securely.</li> </ul> </li> </ul> |   |  |  |
| Design   | Make  | Evaluate  | Technical Knowledge   |  |  |
| <ul> <li>Using a template to create a design<br/>for a puppet.</li> </ul>  | <ul> <li>Cutting fabric neatly with scissors.</li> <li>Using joining methods to decorate a puppet.</li> <li>Sequencing steps for construction.</li> </ul> | <ul> <li>Reflecting on a finished product,<br/>explaining likes and dislikes.</li> </ul>  | <ul> <li>Learning different ways in which to<br/>join fabrics together: pinning,<br/>stapling, gluing.</li> </ul> |  |  |
| Substantive Knowledge Acqui  | ired in the Unit  |   |   |  |  |
| <ul> <li>Know joining technique means connecting two pieces of materials.</li> <li>Know that there are various methods of joining fabric e.g., glue, pins or staples.</li> <li>Know that a template is used to cut out the same shape multiple times.</li> <li>Know that a design is useful to see how an idea will look.</li> </ul>   |   |   |   |  |  |
| Disciplinary Knowledge Acquired in the Unit  |   |   |   |  |  |
| <ul> <li>Fixing and joining</li> <li>Joining 2d and 3d materials- gluing an</li> <li>Marking out and cutting</li> <li>Safe use of simple tools to punch to complete tools t</li></ul> | d sticking<br>ut and make holes materials   |   |   |  |  |

## Finishing

• Know about and apply basic finishing techniques e.g. collage, painting, colouring to match a design brief

## Key Skills Acquired in the Unit

- Using a template to create a design for a puppet.
- Cutting fabric neatly with scissors
- Using joining methods to decorate puppet.
- Sequencing steps for construction.
- Reflecting on a finished product.

## **Misconceptions**

## Some children may think:

- Fabric can only be attached by glue.
- Staples can only attach paper.

# By the end of this unit pupils will:

- Join fabrics together using pins, staples or glue.
- Design a puppet and use a template.
- Join their two puppets' faces together as one.
- Decorate a puppet to match their design

## Medium Term Planning

|                     | 0   |   |   |  |  |
|---------------------|---|---|---|--|--|
|                     | Lesson 1  | Lesson 2  | Lesson 3  | Lesson 4   | Lesson 5   |
| Retrieval           |   | Flashback 4<br>Question 1: What is the<br>person in the picture doing?<br>(Threading, weaving, cutting,<br>gluing)<br>Question 2: What is the<br>person in the picture using<br>to join the fabrics together?<br>(Staples, glue, pins)<br>Question 3: What is the<br>person in the picture using<br>to join the fabrics together?<br>(Staples, glue, pins),<br>Question 4: What is the<br>person in the picture using<br>to join the fabrics together?<br>(Staples, glue, pins),<br>Question 4: What is the<br>person in the picture using<br>to join the fabrics together?<br>(Staples, glue, pins), | Flashback 4<br>Question 1: What is the<br>person in the picture doing?<br>(Threading, weaving, cutting,<br>gluing)<br>Question 2: What is the<br>person in the picture using to<br>join the fabrics together?<br>(Staples, glue, pins),<br>Question 3: What is the<br>person in the picture using to<br>join the fabrics together?<br>(Staples, glue, pins),<br>Question 4: What is the<br>person in the picture using to<br>join the fabrics together?<br>(Staples, glue, pins), | Flashback 4<br>Question 1: What can you use<br>to draw around? (Design,<br>label, template, fabric)<br>Question 2: What should you<br>do before making your puppet<br>to see what an idea will look<br>like? (Design, label, template,<br>fabric)<br>Question 3: What can you use<br>to join fabrics together? (Glue,<br>staples, pins, scissors)<br>Question 4: To make a puppet<br>where should you join the<br>fabric? (in the middle, only on<br>one edge, around three edges<br>or anywhere you like) | Question 1: What can you use<br>to draw around? (Design, label,<br>template, fabric)<br>Question 2: What should you do<br>before making your puppet to<br>see what an idea will look like?<br>(Design, label, template, fabric)<br>Question 3: What can you use<br>to join fabrics together? (Glue,<br>staples, pins, scissors)<br>Question 4: To make a puppet<br>where should you join the<br>fabric? (in the middle, only on<br>one edge, around three edges<br>or anywhere you like) |
| Learning Objective: | To join fabrics together using different methods. | To use a template to create my design.  | To join two fabrics together accurately.  | To decorate my design using joining methods.   | To evaluate a product.   |

| Key vocabulary   | Tier 2                        | Tier 2                      | Tier 2                          | Tier 2                       | Tier 2                           |
|------------------|-------------------------------|-----------------------------|---------------------------------|------------------------------|----------------------------------|
|                  | Join                          | Label                       | Join                            | Decorate                     | Join                             |
|                  | Fabric                        | Fabric                      | Design                          | Design                       | Fabric                           |
|                  | Template                      | Design                      | Template                        |                              | Evaluate                         |
|                  |                               | Template                    | Fabric                          | Tier 3                       |                                  |
|                  | Tier 3                        |                             |                                 | Glue                         | Tier 3                           |
|                  | Pin                           | Tier 3                      | Tier 3                          | Staple                       | Glue                             |
|                  | Staple                        | Pin                         | Glue                            | Pin                          | Staple                           |
|                  | Glue                          |                             | Staple                          |                              | Pin                              |
|                  |                               |                             | Pin                             |                              |                                  |
| Possible outcome | Children will join two pieces | Children will design a      | Children will join their two    | Children will decorate their | Evaluate puppet-                 |
|                  | of material together using    | labelled puppet using a     | pieces of fabric together using | puppets by joining items to  |                                  |
|                  | joining techniques (pinning,  | template.                   | preferred method (gluing,       | the main puppet shape.       | Is the fabric accurately joined? |
|                  | stapling, gluing)             | Children cut out template   | stapling, or pinning).          |                              |                                  |
|                  |                               | and pin them to fabric.     |                                 |                              | Does it match the design?        |
|                  |                               | Children cut out the fabric |                                 |                              |                                  |
|                  |                               | using the template.         |                                 |                              |                                  |

## Year 1

# National Curriculum

## National Curriculum objectives:

- Explore and evaluate a range of existing products.
- Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.
- Design purposeful, functional, appealing products for themselves and other users based on design criteria.
- Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and technology.
- Evaluate their ideas and products against design criteria.

## Cross-Curricular Links:

• English – Pupils learn to appreciate rhymes and poems and to recite some by heart.

| Prior Learning   |  | Future Learning  |  |  |
|--|--|--|--|--|
| <ul> <li>EYFS</li> <li>Know how to use a range of basic tools competently, safely and confidently.</li> <li>know how to explore a range of materials and use senses to explore and investigate them e.g. construction kits: wheels and axles have movable parts.</li> <li>know how to construct using a wider range of construction kits using different techniques to fasten and connect things together.</li> <li>know that different objects and materials can represent things in my pretend play: e.g. I can use a cereal box to represent my house; or use a 3D block as a chair.</li> <li>know and use appropriate vocabulary to name and describe my models by talking and explaining about my model, how it works and what materials I have used.</li> <li>know more about using a range of different media (natural and manmade) to construct basic models to represent transport vehicles.</li> </ul> |  | <ul> <li>Year 4 <ul> <li>Know that all moving things have kinetic energy.</li> <li>Know that kinetic energy is the energy that something has by being in motion.</li> <li>Know that air resistance is the level of drag on an object as it is forced through the air.</li> <li>Know that the shape of a moving object will affect how it moves due to air resistance.</li> </ul> </li> <li>Year 6 <ul> <li>Know that the mechanism in an automata uses a system of cams, axles and followers.</li> <li>Know that different shaped cams produce different outputs.</li> <li>Know that a nutomata is a hand-powered mechanical toy.</li> <li>Know that a cross-sectional diagram shows the inner workings of a product.</li> </ul> </li> </ul> |  |  |
| Design       N         • Explaining how to adapt mechanisms, using bridges or guides to control the movement.       •         • Design a vehicle that includes wheels, axles and axle holders, which will allow the wheels to move.       •         • Creating clearly labelled drawings which illustrate movement       •   | <ul> <li>Following a design to create<br/>moving models that use levers and<br/>sliders.</li> <li>Adapting mechanisms</li> </ul> | <ul> <li>Evaluate</li> <li>Testing a finished product, seeing whether it moves as planned and if not, explaining why and how it can be fixed.</li> <li>Reviewing the success of a product by testing it with its intended audience.</li> <li>Testing mechanisms, identifying what stops wheels from turning, knowing that a wheel needs an axle in order to move.</li> </ul>   | <ul> <li>Learning that levers and sliders are mechanisms and can make things move.</li> <li>Identifying whether a mechanism is a lever or slider and determining what movement the mechanism will make.</li> <li>Using the vocabulary: up, down, left, right, vertical and horizontal to describe movement.</li> <li>Identifying what mechanism makes a toy or vehicle roll forwards.</li> <li>Learning that for a wheel to move it</li> </ul> |  |

|  |  |   |   | mı   | ust be attached to an axle.   |  |  |  |  |
|--|--|---|---|--|---|--|--|--|--|
| Substantive Kno  | wledge Acquired in   | the Unit  |   |  |   |  |  |  |  |
| <ul> <li>A wheel needs to be round to rotate.</li> <li>A wheel must be attached to a rotating axle to move.</li> <li>An axel moves within an axel holder.</li> <li>A frame of a vehicle (chassis) needs to be balanced.</li> </ul>   |  |   |   |  |   |  |  |  |  |
| Disciplinary Knowledge Acquired in the Unit  |  |   |   |  |   |  |  |  |  |
| <ul> <li>Fixing and Joining <ul> <li>Joining 2D and 3D materials- gluing, sticking.</li> <li>Understanding of structures and how these can be made stronger and more stable.</li> </ul> </li> <li>Mechanisms and control <ul> <li>Understanding simple mechanisms that allow movement – sliding mechanisms.</li> </ul> </li> </ul>   |  |   |   |  |   |  |  |  |  |
| Key Skills Acquir  | ed in the Unit   |   |   |  |   |  |  |  |  |
| <ul> <li>Designing a vehic</li> <li>Creating clearly late</li> <li>Adapting mechan</li> <li>Testing mechanis</li> </ul>  | <ul> <li>Designing a vehicle that includes wheels, axels and axel holders.</li> <li>Creating clearly labelled drawings that illustrate movement.</li> <li>Adapting mechanisms.</li> <li>Testing mechanisms.</li> </ul> |   |   |  |   |  |  |  |  |
| Misconceptions   |  |   |   |  |   |  |  |  |  |
| Some children may think:   | ns on its own.<br>turn one way.<br>ave four wheels.  |   |   |  |   |  |  |  |  |
| By the end of th   | is unit pupils will:   |   |   |  |   |  |  |  |  |
| <ul> <li>Explain that wheels move because they are attached to an axle.</li> <li>Recognise that wheels and axles are used in everyday life, not just in cars.</li> <li>Identify and explain vehicle design flaws using the correct vocabulary.</li> <li>Design a vehicle that includes functioning wheels, axles and axle holders.</li> <li>Make a moving vehicle with working wheels and axles.</li> <li>Explain what must be changed if there are any operational issues.</li> </ul> |  |   |   |  |   |  |  |  |  |
| Medium Term Planning   |  |   |   |  |   |  |  |  |  |
|  | Lesson 1   | Lesson 2  | Lesson 3  | Lesson 4   | Lesson 5  |  |  |  |  |
| Retrieval  |  | Flashback 4<br>Question 1: What is this a<br>picture of? (Axel, axel<br>holder, vehicle, wheel)<br>Question 2: What is this a<br>picture of? (Axel, axel<br>holder, vehicle, wheel) | Flashback 4<br>Question 1: Which word is<br>missing? 'Wheels are circular<br>(axle, discs, axle holder,<br>vehicle)<br>Question 2: Which word is<br>missing? 'Wheels are attached | Flashback 4<br>Question 1: Vehicles need<br>wheels to balance the<br>body. (square, rectangular,<br>round, triangular)<br>Question 2: The wheels need<br>to be attached to the<br>(discs, axle, axle holder, body) | Flashback 4<br>Question 1: What do we call the<br>body of the car? (axle, axle<br>holder, wheel, chassis)<br>Question 2: Which word is<br>missing? 'Wheels are attached<br>by the' (axle, discs, axle<br>holder, vehicle) |  |  |  |  |

|                     |  | Question 3: What is this a<br>picture of? (Axel, axel<br>holder, vehicle, wheel)<br>Question 4: What is this a<br>picture of? (Axel, axel<br>holder, vehicle, wheel) | by the' (axle, discs, axle<br>holder, vehicle)<br>Question 3: Which word is<br>missing? 'The axle moves<br>inside the (axle,<br>discs, axle holder, vehicle)<br>Question 4: Which word is<br>missing? 'The axle holder is<br>attached to the body of the<br>(axle, discs, axle holder,<br>vehicle) | Question 3: The axle needs to<br>be inside the<br>((discs, axle, axle holder, body)<br>Question 4: Which word is<br>missing? 'The axle holder is<br>attached to the body of the<br>(axle, discs, axle holder,<br>vehicle) | Question 3: Which word is<br>missing? 'The axle moves inside<br>the (axle, discs, axle<br>holder, vehicle)<br>Question 4: Which word is<br>missing? 'The axle holder is<br>attached to the body of the<br>(axle, discs, axle holder,<br>vehicle) |
|---------------------|--|--|--|---|--|
| Learning Objective: | To understand how wheels move.   | To identify what stops wheels from turning.  | To design a moving vehicle.  | To build a moving vehicle.  | To evaluate a moving vehicle.  |
| Key vocabulary      | Tier 2<br>Label<br>Diagram<br>Mechanism<br>Tier 3<br>Axle<br>Axle holder<br>Vehicle  | Tier 2<br>Diagram<br>Mechanism<br>Tier 3<br>Axle<br>Axle holder<br>vehicle   | Tier 2<br>Label<br>Measure<br>Design<br>Mechanism<br>Tier 3<br>Axle<br>Axle holder<br>Chassis<br>vehicle   | Tier 2<br>Build<br>Measure<br>Mechanism<br>Tier 3<br>Axel<br>Axel holder<br>Chassis<br>Dowel<br>vehicle   | Tier 2<br>Evaluate<br>Mechanism<br>Tier 3<br>Axel<br>Axel holder<br>Chassis<br>Dowel<br>vehicle  |
| Possible outcome    | Children will draw diagram<br>of vehicle and label it using<br>appropriate vocabulary.<br>Children use straws, paper,<br>scissors and glue to<br>replicate the way the<br>vehicle is moving. | Children will write repair<br>tickets for three broken toy<br>car images.  | Children will design and label<br>their own moving vehicle.  | Children will use design sheets<br>to create own vehicles.  | Children will test and evaluate<br>their moving vehicles. What<br>would they change to make<br>their vehicles better?  |

| Year 1  | Summer 2 – Cooking and Nutrition (Fruit and Vegetables) |
|---|---|
| National Curriculum   |   |
| National Curriculum objectives:   |   |
| • use the basic principles of a healthy and varied diet to prepare dishes |   |
| understand where food comes from.   |   |

# Cross-Curricular Links:

- Science: Identify and classify and use observations and ideas to suggest answers to questions.
- **Computing:** Use technology to organize, create, store, manipulate and retrieve digital content.

| Prior  | Learning  |   | Futu   | re Learning  |                     |  |
|--|---|---|--|--|---------------------|--|
| EYFS<br>•<br>•   | Know the names of different types of fruit<br>Know how to safely use a knife to cut up f<br>Know that different ingredients can be pu<br>Know it is important to wash hands before<br>Know different equipment can be used to | now the names of different types of fruit and vegetables.<br>now how to safely use a knife to cut up foods into smaller pieces.<br>now that different ingredients can be put together to make meal.<br>now it is important to wash hands before preparing food.<br>now different equipment can be used to cook equipment. |  | <ul> <li>Year 2 <ul> <li>Know what 'hidden sugars' are.</li> <li>Know where to find the nutritional information on a drinks container,</li> <li>Know roughly how much of each food group I should eat each day.</li> <li>Know how to prepare food safely using the correct tools.</li> </ul> </li> <li>Year 3 <ul> <li>Know that not all fruits and vegetables can be grown in the UK.</li> <li>Know that climate affects food growth.</li> <li>Know that vegetables and fruit grow in certain seasons.</li> <li>Know that cooking instructions are known as a 'recipe'.</li> <li>Know that imported food is food that has been brought into the country.</li> </ul> </li> <li>Year 5 <ul> <li>Know that I can adapt a recipe to make it healthier by substituting ingredients.</li> <li>Know that cross-contamination means that bacteria and germs have been passed onto ready to eat foods.</li> </ul> </li> <li>Year 6 <ul> <li>Know that many countries have national dishes which are recipes associated with that country.</li> <li>Know that processed food means food that has been put through multiple changes in a factory.</li> </ul> </li> </ul> |                     |  |
| Desig  | <u></u>   | Make  | Evalu  | iate   | Technical Knowledge |  |
| <ul> <li>Designing smoothie carton<br/>packaging by-hand or on ICT<br/>software</li> <li>Identifying if a food is a fruit or a<br/>vegetable</li> <li>Learning where and how fruits and<br/>vegetables grow</li> </ul> |   | •   | Tasting and evaluating different<br>food combinations<br>Describing appearance, smell and<br>taste.<br>Suggesting information to be<br>included on packaging | <ul> <li>Understanding the difference<br/>between fruits and vegetables</li> <li>Describing and grouping fruits by<br/>texture and taste</li> </ul>  |                     |  |
| Subs   | tantive Knowledge Acqu  | ired in the Unit  |  |  |                     |  |
| • U<br>• Ki<br>• Ki<br>• Ki  | nderstand the difference between frui<br>now a blender mixes ingredients togetl<br>now vegetables grow either above or b<br>now some foods typically known as veg<br>now fruits grow on trees or vines                        | t and vegetables.<br>her into a liquid.<br>below the ground.<br>getables are actually fruits (e.g., cucumber)   |  |  |                     |  |

- Know fruits have seeds and vegetables do not.
- Know vegetables can come from different parts of a plant.

# Disciplinary Knowledge Acquired in the Unit

## Finishing, including food hygiene

- Basic food handling, hygienic practices and personal hygiene, including how to control risks.
- Safe use of a variety of tools and equipment to peel, cut, grate, mix and mould food.
- The nutritional value of food stuffs in a balanced diet.

## Key Skills Acquired in the Unit

- Designing smoothie carton packaging.
- Chopping fruit and vegetables safely.
- Identifying if a food is a fruit or vegetable.
- Testing and evaluating different food combinations.
- Describing appearance, smell and taste.
- Suggesting information included on a packaging.

## Misconceptions

Some children may think:

- Only fruit is healthy.
- Fruit comes from a shop.
- All fruit is sweet.
- Fruit juice is not made from fruit.
- Pepper, avocado, butternut squash, tomatoes and cucumbers are vegetables.

## By the end of this unit pupils will:

- Describe fruits and vegetables and explain why they are a fruit or a vegetable.
- Name a range of places that fruits and vegetables grow.
- Describe basic characteristics of fruit and vegetables.
- Prepare fruits and vegetables to make a smoothie.

# Medium Term Planning

| $\mathbf{O}$ |          |                                     |                                    |                                     |  |  |  |
|--------------|----------|-------------------------------------|------------------------------------|-------------------------------------|--|--|--|
|              | Lesson 1 | Lesson 2                            | Lesson 3                           | Lesson 4                            | Lesson 5                               |  |  |
| Retrieval    |          | Flashback 4                         | Flashback 4                        | Flashback 4                         | Flashback 4                            |  |  |
|              |          | Question 1: Which one of            | Question 1: Where do fruits        | Question 1: Carrots, broccoli       | Question 1: What do we use to          |  |  |
|              |          | these foods is a vegetable?         | grow? (above or below the          | and onions are all types of?        | mix ingredients together into a        |  |  |
|              |          | ( <b>broccoli</b> , orange, plum,   | ground, <b>on trees or vines</b> ) | (plants, fruits, nuts,              | smooth liquid? (oven, <b>blender</b> , |  |  |
|              |          | grapes)                             | Question 2: Where do               | vegetables)                         | knife, microwave)                      |  |  |
|              |          | Question 2: Which one of            | vegetables grow? ( <b>above or</b> | Question 2: How do we               | Question 2: What tool is used to       |  |  |
|              |          | these foods is a fruit?             | below the ground, on trees or      | identify a fruit? (by its colour,   | remove the tough skin off fruit        |  |  |
|              |          | (celery, <b>pepper,</b> parsnip,    | vines)                             | the taste, <b>check for seeds</b> ) | and vegetables? (knife, spoon,         |  |  |
|              |          | lettuce)                            | Question 3: Apples, tomatoes,      | Question 3: Where do lemons         | peeler, fork)                          |  |  |
|              |          | Question 3: Which one of            | berries and oranges grow on        | grow? (above ground, on a           | Question 3: What part of the           |  |  |
|              |          | these foods is a fruit?             | plants, what are they? (seeds,     | vine, <b>on trees</b> , below the   | blender cuts up the food?              |  |  |
|              |          | (carrot, green bean, <b>tomato,</b> | fruits, meats, vegetables)         | ground)                             | Switch, <b>blade,</b> lid, container)  |  |  |
|              |          | lettuce)                            |                                    |                                     |  |  |  |

|                     |   | Question 4: Which one of<br>these is a vegetable?<br>(strawberry, potato,<br>pineapple, blueberry)              | Question 4: Where do<br>potatoes grow? (above<br>ground, on leaves, on trees,<br>below the ground)   | Question 4: Where does<br>spinach grow? (above ground,<br>on leaves, on trees, below the<br>ground)  | Question 4: Which tool would<br>you use to chop up the fruit and<br>vegetables? (blender, fork,<br>peeler, knife)  |
|---------------------|---|---|--|--|--|
| Learning Objective: | To identify if a food is a fruit or vegetable.  | To identify where plants grow and which parts we eat.   | To taste and compare fruit and vegetables.   | To make a fruit and vegetable smoothie.  | To evaluate a fruit and vegetable smoothie.  |
| Key vocabulary      | Tier 2<br>Identify<br>Sort<br>Criteria<br>Tier 3<br>Fruit<br>Vegetable<br>Seed            | Tier 2<br>Identify<br>Sort<br>Criteria<br>Label<br>Tier 3<br>Fruit<br>Vegetable<br>Seed<br>Stem<br>Root<br>Leaf | Tier 2<br>Identify<br>Sort<br>Criteria<br>Describe<br>Tier 3<br>Fruit<br>Vegetable<br>Smoothie   | Tier 2<br>Identify<br>Sort<br>Criteria<br>Describe<br>Design<br>Blend<br>Tier 3<br>Carton<br>Flavour<br>Peel<br>Slice<br>Smoothie<br>Customer  | Tier 2<br>Evaluate<br>Describe<br>Tier 3<br>Carton<br>Fruit<br>Smoothie<br>Customer  |
| Possible outcome    | Children will explore<br>different fruit and<br>vegetables and sort these<br>into groups. | Children will identify where<br>familiar fruit and vegetable<br>come from and label these<br>on a diagram.      | Children will taste a range of<br>fruits and write down what<br>they think of the ingredient:<br>its appearance, feel, smell and<br>taste. | Children will cut up fruit and<br>vegetables and blend to<br>create smoothies. Children<br>design their carton for their<br>smoothie. They ensure it is<br>clearly labelled so customers<br>know what they are buying. | Children will evaluate their<br>smoothie. Did it taste how they<br>expected? How would they<br>improve it?<br>Children evaluate their carton<br>designs. Would a customer<br>know what they were buying? |