



| Knowledge | Y3 | Y4 | Y5 | Y6 |
|---------------|---|---|---|--|
| Autumn | <p>Textiles – Puppets</p> <ul style="list-style-type: none"> - How can I investigate a range of puppets and their features? - How can I work with fabric to create a finger puppet? - How can I develop and practise my sewing skills? - How can I design a glove puppet? - How can I follow a design to make a puppet? - How can I evaluate my finished product? | <p>Food - Seasonal Food</p> <ul style="list-style-type: none"> - How can I understand where food comes from? (global & UK) - How can I explore when British food is in season? (grown, reared, caught & processed) - How can I investigate the advantages and disadvantages of eating seasonal food? - How can I design a healthy meal that uses seasonal vegetables? (eat well plate) - How prepare a healthy meal that uses seasonal vegetables? - How can I review the meal that I prepared? | <p>Textiles – Fashion and textiles</p> <ul style="list-style-type: none"> - How can I investigate and analyse items made using textiles, the materials used and how they are made? - How can I explore some ways in which textiles are joined and decorated? - How can I design an item made using textiles, and draw pattern pieces? - How can I use pattern pieces to measure, mark and cut fabric, to sew design elements according to a design? - How can I join fabric pieces by hand sewing to add detail to my designs? - How can I sew hems on an item I have made? | <p>Food – Global food</p> <ul style="list-style-type: none"> - How can I understand where in the world ingredients come from? - How can I explain that diets around the world are based on similar food groups? - How can I explain why rice is a good table food? How can I cook rice? - How can I demonstrate a range of food skills and techniques? (Mexican food) - How can I demonstrate a range of basic and advanced food skills and cooking techniques? (Chinese food) - How can I accurately and mainly independently follow a recipe demonstrating a range of cooking techniques? (Italian food) |
| Spring | <p>Construction – Moving Monsters</p> <ul style="list-style-type: none"> - How do I investigate a variety of familiar objects that use air to make them work? - How do I investigate techniques for making simple pneumatic systems? - How do I gather ideas for creating moving monsters? - How can I make a monster with a moving pneumatic part? - How can I make a monster with a moving pneumatic part? - How do I evaluate my finished product? | <p>Construction – Electrical game</p> <ul style="list-style-type: none"> - How can I research and analyse a range of children’s toys? - How can I explore how some toys can be programmed using a computer? - How can I plan and design an electric loop game? - How can I make my electric loop game? - How can I make my electric loop game? - How can I evaluate my electric loop game? | <p>Construction – Solar system</p> <ul style="list-style-type: none"> - How do I research the different planets? - How do I plan and design my mini solar system? - How do I create my own mini solar system? - How do I create my own mini solar system? - How do I complete my own mini solar system? - How do I evaluate my design? | <p>Construction – Victorian toys</p> <ul style="list-style-type: none"> - How do I research Victorian Toys? - How do I research cam mechanisms? - How do I plan and design my Victorian toy? - How do I create my Victorian toy with a Cam mechanism? - How do I create my Victorian toy with a Cam mechanism? - How do I evaluate my design? |
| Summer | <p>Food – Sandwiches</p> <ul style="list-style-type: none"> - How can I understand the information provided by food labels? - How can I explore the variety of sandwiches that can be created? - How can I understand the food preferences of different children in my class? - How can I design a healthy sandwich based on the likes and dislikes of children in my class? - How can I safely prepare the sandwich I have designed? - How can I review my sandwich? | <p>Design – Packaging</p> <ul style="list-style-type: none"> - How can I investigate a range of packaging? - How can I construct nets for 3-D shaped packages? - How can I explore the use of graphics on packaging? - How can I design a packaging box for a particular purpose? - How can I make a packaging box by following a design? - How can I evaluate a finished product? | <p>Food – Bread</p> <ul style="list-style-type: none"> - How can I investigate and evaluate bread products according to their characteristics? - How can I explain that bread is an important part of a balanced diet and that it can be eaten in different ways? - How can I research and compare which different ingredients are needed to make different bread products? - How can I design a bread product for a particular person or event? - How can I make a bread product? - How can I evaluate my bread product? | <p>Construction – Bridges</p> <ul style="list-style-type: none"> - How can I explore ways in which pillars and beams are used to span gaps? - How can I explore ways in which bridges are strengthened? (trusses and arches) - How can I understand how suspension bridges are able to span long distances? - How can I develop criteria and design a prototype bridge for a purpose? - How can I make a bridge from my design and prototype? - How do I analyse and evaluate my bridge based on the design criteria? |