| **Reception** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| --- | --- | --- | --- | --- | --- | --- |
| **AUTUMN TERM** | | | | | | |
| **Developing scissor skills**  **Folding & joining skills** | **Design, make and evaluate a moving story book for parents to retell the story at home.** | **Design, make and evaluate a transportation vehicle for Samuel Pepys to help move objects.** | **Design, make and evaluate a bag for themselves for carrying things.** | **Design, make and evaluate a night light for a younger child to comfort at night.** | **Design, make and evaluate bread to sell to Roberts bakery.** | **Design, make and evaluate seasonal soup for younger children to promote to a local supermarket.** |
| Use one-handed tools and equipment, for example, making snips in paper with scissors. | Understand the movement of simple mechanisms such as levers and sliders and use these in own designs. | Design, make and evaluate a vehicle with wheels, axels and a structure, which can be used to transport items | Design, make and evaluate a bag which can be used to carry things for themselves | Design, make and evaluate a night light using simple circuit components. | Follow a step by step method carefully to make a recipe and use utensils and equipment including heat sources to prepare and bake bread. | Write a step-by-step recipe for making soup, including a list of ingredients, equipment and utensils  Understand about seasonality in relation to food products and the source of different food products and consider this when creating their soup. |
| **SPRING TERM** | | | | | | |
| **Free Standing Structures** | **Design, make and evaluate a bridge structure; e.g bridge for Billy Goats Gruff.** | **Design, make and evaluate a Bog Baby glove puppet for a story character for a play with puppet.** | **Design, make and evaluate dips and dippers for a picnic to celebrate with year 4.** | **Design, make and evaluate a salad for children for a joint celebration picnic with year 3.** | **Design, make and evaluate a controllable fairground round for the summer fair.** | **Design, make and evaluate a luggage tag for themselves to take on their residential.** |
| Use taught folding and joining techniques to build a free standing structure. | Plan, design and make a bridge structure between two surfaces that can bear weight. | Combine and use varied textiles to design, make and evaluate a glove puppet to entertain others | Work with cooking equipment safely and hygienically to create a healthy and nutritious recipe using seasonal ingredients, considering the taste, texture, smell and appearance of the dish. | Plan, prepare and produce a healthy salad, incorporating food from the main food groups. | Use the correct techniques to saw safely and understand how to reinforce and strengthen a 3D framework to make a controllable fairground ride. | Develop, model and communicate ideas including using computer-aided design to design a luggage tag that is appealing for the intended user and fit for purpose based on a simple design specification. |
| **SUMMER TERM** | | | | | | |
| **Food technology**  **Junk Modeling Boat** | **Design, make and evaluate fruit smoothies for peers at school for a summer picnic celebration.** | **Design, make and evaluate a sandwich/wrap for peers at school for a summer picnic celebration .** | **Design, make and evaluate a poster for parents for celebration event (open evening).** | **Design, make and evaluate a desk tidy for themselves for storage** | **Design, make and evaluate a controllable fairground round for the summer fair** | **Design, make and evaluate an alarm system for a story character for protection.** |
| Use a range of tools competently, safely and confidently. Suggested tools: pencils for drawing  and writing, paintbrushes, scissors, knives, forks  and spoons. | Cutting and chop soft fruit safely to make a smoothie.  Know that food comes from plants or animals and that it is farmed or caught. | Cut, slice, grate and chop safely,  Plan, prepare and produce a healthy sandwich/wrap by demonstrating an understanding of The Eatwell Plate and cutting, slicing, grating and chopping ingredients safely. | Create a poster for opening evening that involves leavers and linkages to engage an audience. | Plan and digitally design a desk tidy using Computer Aided Design.  Construct a strong, stiff shell structure. | Use gears and pulleys to, speed up, slow down or change the direction of movement of their fairground ride. | To plan, design and create an alarm which monitors particular conditions and responds visually and audibly when this is met, broken and altered. |