Intent

All children will be able to design and make high quality products, combining knowledge and understanding with creativity and innovation. They will follow a process of design, make and evaluate to ensure that they are interactive with the design process and think critically.

All KS1 children will:

- Design purposeful, functional, appealing products for themselves and other users based on design criteria
- Generate, develop, model and communicate their ideas
- Select from and use a range of tools, materials and equipment to perform practical tasks
- Explore and evaluate a range of existing products
- Evaluate their ideas and products against design criteria
- 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.
- Children will also develop their understanding of nutrition and learn how to cook simple recipes.

Implementation

Design and Technology is taught through focus topics, relating to topic work being covered within the year group. Through Design and Technology children are able to work independently and collaboratively developing skills of questioning, communication and evaluation. Specific skills are taught, practised and applied to projects and tasks relevant to the children. A plan, design, make and evaluate cycle is employed and children are then encouraged to look for ways that they could change or improve their finished products. Children will experience and variety of activities including food preparation and will work with a variety of materials and tools over the Early Years Foundation Stage and Key Stage 1.

Impact

Our Design and Technology curriculum is planned to give children hands-on experiences which develop skills as children design, make and evaluate. We measure the impact of our curriculum through the following methods:

- Assessment of standards achieved against the planned outcomes
- Children talking about their learning confidently using the correct language (Verbal feedback; Pupil conferencing).
- Children use previously learnt skills in new experiences.
- Children are able to reflect upon their products and improve them.