



## OUR VISION FOR DESIGN AND TECHNOLOGY AT TANY'S DELL



*Design and Technology is an inspiring, rigorous and practical subject. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation. At Tany's Dell, we want our children to build and apply a repertoire of knowledge, understanding and skills, in order to design and make high-quality prototypes and products for a wide range of users. With increasing creativity and imagination, pupils will design and make products that solve problems within a variety of real-life contexts. They will draw on disciplines such as mathematics, science, engineering, computing and art. They will learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens. Finally, through the evaluation of past and present design and technology, pupils will develop a critical understanding of its impact on daily life and the wider world.*



**Our big ideas are for children to:**

**Textiles** – be able to use a range of sewing techniques (such as running stitch, back stitch, cross stitch, over stitch and blanket stitch) to create a variety of finishes on their product.

**Construction** – to design products with a purpose in mind and an intended user of the products. To select from and use tools and equipment to perform tasks (for example cutting, shaping, joining and finishing).

**Nutrition** – develop an understanding of where food comes from, the importance of a varied and healthy diet and how to prepare this.



**In order for the children to achieve these, we will ensure that we:**

- Provide a relevant & challenging enjoyable D&T curriculum
- Provide opportunities for co-operative working.
  - Give children opportunities to work independently and develop their organisational and presentation skills.
- Encourage children to investigate and use a variety of materials with economy.
- Teach children how to use various tools appropriately.
- Use a practical, problem-solving approach to tasks, the children will develop a range of skills around the design process (investigate, design, model, refine, make, test and evaluate).



**Our Key Learning Expectations are that by the time children leave Primary School they should be able to:**

- Explore the textures, movement, feel and look of different materials
- Respond to a range of materials developing an understanding that they manipulate and create effects with these
- Use different materials to express their own ideas
- Construct with a purpose in mind using a variety of resources
  - Develop skills to use simple tools and techniques competently and appropriately, in sewing, cooking and construction.
- Select appropriate resources for a product and adapt their work where necessary.