



Branton Community Primary School and Breamish Valley Community Nursery

Design and Technology – 3 Is



Intention

- To nurture an existing enthusiasm for Design and Technology, and promote enjoyment through creativity.
- To be enthusiastic and to work hard, in order to achieve their full potential as future designers.
- To provide the widest and best educational opportunities possible, by striving to offer inspirational, challenging and creative learning opportunities in order to develop the technical and practical expertise needed in today's world.
- To be creative and imaginative.
- To design and make products that solve real and relevant problems.
- Develop design, creative and evaluative skills.
- To use the unique environment to enrich and enhance their design process.
- Have a deepened understanding of a healthy and balanced diet.
- Be able to follow a recipe and prepare simple dishes safely and hygienically.
- To use the environment to plan, grow and prepare their own food.

Implementation

- Plan and implement a bespoke, relevant and engaging curriculum that ensures appropriate coverage.
- Have a robust, progressive curriculum that uses the unique school environment to enrich and enhance learning.
- Provide children with relevant, appropriate context through topic links.
- Use technology to explore mechanisms (eg. levers, sliders, wheels and axles) as well as mechanical systems (eg. gears and pulleys) in their products.
- Ensure children are given opportunities to choose/use a wide range of materials, tools and components, including construction materials, textiles and ingredients to perform practical tasks accurately.
- Ensure children learn about the principles of nutrition and the sources of food.
- Teach children how to plan, plant, grow and cook food.
- Apply the principles of nutrition and the sources of food.
- Teach children how to use techniques such as cutting, peeling and grating.

Impact

- Children show a real interest and love of design and technology.
- Good progress and attainment evident for every child; skill progression being apparent throughout the school.
- Children are resilient and adaptable; able to constructively critique products and take feedback on board.
- Children show developing evidence of and apply a broad range of subject knowledge, drawing upon disciplines such as mathematics, science, engineering, computing and art.
- Children confidently use scientific enquiry skills to inform their design technology projects.
- Children understand the principles of nutrition and a balanced diet and are able to prepare and cook simple dishes.