

FAIRFIELD ENDOWED CE (C) JUNIOR SCHOOL

DESIGN AND TECHNOLOGY POLICY

Rationale

In Design and Technology (DT) children are taught to develop their capability through designing and making a range of products and systems for specific purposes. Pupils solve problems creatively as individuals and members of a team. In doing so, they reflect and evaluate present and past design and technology, its uses and effects.

Purpose

Design and Technology offers opportunities to:

- To foster a positive attitude towards DT
- To develop skills, knowledge and understanding which children can apply to a technical process, planning and making with constant evaluation
- To develop an awareness of the environment and appreciate that we can affect and control it to a certain extent
- To develop the ability to communicate effectively – verbally, numerically and visually
- To develop a range of thinking and encourage children to use their own strategies to solve problems
- To develop social skills when working in a group

Guidelines

1. All children are given equal opportunities to follow the National Curriculum for DT, which states DT will incorporate
 - Investigative skills where children disassemble and critically evaluate existing products to inform their own design. (IDEA)
 - Focused Practical Task (FPT) where children are given an opportunity to learn and practice new skills and techniques
 - Design and make assignment (DMA) this is where children are allowed to be creative using what they have learnt through FPT.
2. Work is planned to ensure progression of content and skills across each Key Stage, appropriate to the children's ages and abilities.
3. Cross curricular links are made with other subjects, including ICT, where appropriate.
4. Children develop and practise particular skills and knowledge working with a range of tools, materials and equipment in a variety of ways.
5. Children investigate, disassemble and evaluate products before designing and making their own.
6. All children are made aware of Health and Safety issues when undertaking work in DT.

7. Where appropriate, DT will be planned and delivered through the TASC approach to enable pupils to be critical and creative thinkers as well as problem solvers to find solutions to their own problems.

Conclusion

Design and Technology provides an opportunity for all pupils to become discriminating and informed users of products and to become innovators.

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