



Roecliffe CE Primary School

DT Rationale

Intent and Implementation



DT Intent

'Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens.' - **National Curriculum 2014**

At Roeclyffe C of E Primary School, our intent is:

- To provide our pupils with the knowledge and skills they will need in order to take part in the development of tomorrow's rapidly changing world
- To encourage pupils to apply creative thinking to make positive changes to their quality of life
- To encourage pupils to become autonomous and creative problem-solvers, both as individuals and a part of a team
- To enable pupils to identify needs and opportunities and to respond by developing ideas and eventually making products and systems
- To allow pupils to reflect on and evaluate present and past design and technology, its uses and its impacts
- To empower all pupils to become discriminating and informed consumers and potential innovators
- We develop children's sense of **faith** in themselves by allowing them opportunities to take ownership of the planning and completion of projects, having the **courage** to overcome obstacles as they arise. We encourage the children to **love** one another and this manifests itself in successful teamwork and cooperation.



DT Implementation

Design and Technology is a crucial part of school life and learning and it is for this reason that as a school we are dedicated to the teaching and delivery of a high-quality Design and Technology curriculum. This is implemented through:

EYFS and Year 1

In Class 1, children complete enquiries where they build upon existing skills and are taught new skills needed to complete DT projects. Within their enquiries, the children may have minor enquiries to help our children along their enquiry route, These minor enquiries help to add any information to the bigger question we're finding out. During the EYFS pupils explore and use a variety of media and materials through a combination of child initiated and adult directed activities. They have the opportunities to learn to:

- Use different media and materials to express their own ideas
- Use what they have learnt about media and materials in original ways, thinking about form, function and purpose
- Make plans and construct with a purpose in mind using a variety of resources
- Develop skills to use simple tools and techniques appropriately, effectively and safely
- Select appropriate resources for a product and adapt their work where necessary
- Cook and prepare food adhering to good health and hygiene routines



DT Implementation

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Key Stage 2

- A well thought out, whole school overview of the substantive and disciplinary knowledge taught during DT lessons which ensures progression across year groups in all areas of DT (textiles, mechanisms, structures, food and electrical systems).
- Well planned and resourced projects providing children with a hands-on and enriching experience
- A range of skills being taught ensuring that children are aware of health and safety issues related to the tasks undertaken
- Teachers being given ownership and flexibility to plan for Design and Technology; often teaching DT as a block of lessons to allow the time needed for the children to be critical, inventive and reflective on their work.
- Each project from Year 1 to Year 6 addressing the principles of designing, making, and evaluating and incorporating relevant technical knowledge and understanding in relevant contexts.
- Pupils being introduced to specific designers, chefs, nutritionists, etc. helping to engender an appreciation of human creativity and achievement and increase the cultural capital from which they can draw in the future.

Early Years Foundation Stage