

‘Learn, Pray, Care & Play’

Our church school through its Christian values and caring community seeks to inspire each individual to achieve and grow.

# D.T. Policy

Rationale:

At St John’s C of E School, Cliviger our curriculum is made up of the planned activities that we as a school deliver in order to promote learning, personal growth and development. It includes not only the formal requirements of the National Curriculum, but also an exciting range of opportunities to enrich the experience. We aim to teach our children to grow into positive, responsible role models who can work and co-operate with others whilst developing the knowledge, skills and understanding within subjects as well as a positive attitude to use throughout their lives.

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 on and evaluate present and past design and technology, its uses and effects.

Purpose:

• Design & Technology offers opportunities:

• To foster a positive attitude towards DT.

• To develop skills, knowledge and understanding, which children can apply to a

 technological 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.

• To understand and apply principles of nutrition and develop cooking skills.

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

 practise 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. All classes from Year 1 to Year 6 follow the Kapow Primary scheme of work. This enables them to develop their knowledge and skills of the five principles of the DT curriculum of Design, Make, Evaluate, Technical Knowledge and Cooking & Nutrition. Progression in these 5 areas is enabled by the 6 strands which the pupils encounter as they move through school. These are: Mechanisms/Mechanical Systems, Food, Electrical Systems, Structures, Textiles and Digital World.

3. Purposeful cross curricular links are made with other subjects through the Adventurous Afternoons curriculum so that learning is relevant and purposeful and can be experienced in different contexts. These links are designed to further enhance and deepen learning in the linked subject whilst developing specific D.T. skills, knowledge and understanding. Within science there are opportunities for children to use and develop their scientific knowledge and understanding when working with a range of materials for example when working on electrical circuits and with food products. The use of ICT can help children’s learning in design and technology by providing additional equipment and tools to help them produce and manipulate images and play with ideas and possibilities for the creative use of materials and processes. In addition there are many opportunities for pupils to create products/solve problems relevant to the characters and scenarios from their whole class book for each half term.

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 have opportunities to investigate, disassemble and evaluate products

 before designing, making and testing and evaluating their own.

6. All children are made aware of Health and Safety issues when undertaking work in

 DT. When working with tools, equipment and materials, in practical activities and

 in different environments, including those that are unfamiliar, pupils should be

 taught:

• About hazards, risks and risk control

• To recognise hazards, assess consequent risks and take steps to control the risks to

 themselves and others

• To use information to assess the immediate and cumulative risks

• To manage their environment to ensure the health & safety of themselves and

 others

• To explain the steps they take to control risks.

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.