



St Agatha's Catholic Primary School

Policy	Design and Technology Policy
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Statutory Policy	No

MISSION STATEMENT

The life of St Agatha's School is centred on our Catholic faith, in which we proclaim the Gospel values such as love, peace and justice which influence all our activities and relationships.

We value and encourage the uniqueness of each child and recognise that everyone has a positive contribution to make to the life of the school community.

We value worshipping and celebrating together, sharing our Christian witness and building upon the foundations already established at home where parents are the first educators of their children.

We aim to;

- encourage the spiritual development and prayer life of each child and help them to develop their relationship with God
- offer a place where differences and problems are talked through and prayed through together and where success is shared and celebrated
- provide a secure and happy environment where quality teaching and learning can take place
- deliver a curriculum that meets the intellectual, physical and creative needs of each child as well as delivering spiritual, emotional and pastoral care
- foster respect for, and recognise the rights of, others regardless of gender, race or ability and to offer equal opportunities to all
- value the contribution of home, school, parish, community and diocese in our daily lives

*WHAT WE ARE IS GOD'S GIFT TO US
WHAT WE BECOME IS OUR GIFT TO GOD*

Rationale

Design and technology is an inspiring and practical subject. Our Design and Technology curriculum is designed to help children to design and make products that solve real and relevant problems. Children evaluate examples of past and present design and technology and understand its impact on daily life. Our curriculum combines mathematics, science and art and we aim for pupils to develop their creativity, problem-solving skills and practical abilities. They will become proficient in planning and adapting their ideas for a product, selecting and using relevant and appropriate materials and will develop skills such as making mechanisms, sewing and cooking.

Curriculum

St Agatha's design and technology curriculum is a well-planned sequence of lessons that ensures progression in all areas; our curriculum equips children with the knowledge and skills they need to plan, create and evaluate their own design and technology projects. In accordance with the national curriculum program of study, children learn to design, make, evaluate and build on their technical knowledge. Lessons are adapted to allow for more individualised learning and build on prior knowledge and skills whilst introducing new skills, knowledge and challenge. Where there are opportunities for making meaningful connections with other topics projects are sequenced accordingly. For example, in Year 2 pupils design and build a model of a beach hut during the study of the geography topic Coastline.

Teaching and learning

The teaching and implementation of the Design and Technology Curriculum is based on the National Curriculum and supported by Maestro Cornerstones planning, ensuring a well-structured complete coverage of the national curriculum program of study. Design and Technology projects are often linked to the core theme of each term. We ensure that Design and Technology is included across each year group, with a level of progression that supports and challenges our children so that they develop creative, enquiring minds and practical skills. Children continue to build upon these skills each year through focus on the same aspects; developing their technical knowledge, nutrition and cooking, and sewing.

Inclusion

All children have equal opportunities to participate and gain confidence in different aspects of Design Technology. The subject is taught in line with the school's equal opportunities policy (see school website). Class teachers adapt lessons to meet the learning needs of all children in the class. Lower attaining children will be challenged through activities, which are scaffolded to enable them to consolidate their understanding and succeed. Children working at a higher level will receive tasks relevant to the year group's lesson objective, but at a greater depth and complexity.

Home Learning

During the term with a specific art cross-curricular project, there will be home learning tasks assigned on Teams. The knowledge organisers for the Design and Technology projects will also be available via Teams.

Assessment

The Senior Leadership team, Design and Technology Subject Leader and linked governors monitor the subject through pupil voice, learning walks and book scrutinies.

Marking and Feedback

Teachers provide verbal feedback to clarify and elaborate immediately, therefore ensuring that misconceptions are not embedded, and pupils can act upon the feedback given straight away.

Information Technology

Interactive resources are used to introduce and consolidate concepts when they can convey Design and Technology ideas and enhance learning.

Cross curricular links

Design and Technology has great potential for cross curricular links with other subjects and staff take every opportunity to exploit this. Links with other curriculum areas, especially Maths, Science and Art are developed discreetly within the curriculum. Teachers are encouraged to do so in order to develop a 'whole child' approach to learning and follow the interests of the children in their class.

Sustainability

Pupils will create products using recycled materials where possible. Where appropriate materials from completed projects will be reused.