

St Anthony's Catholic Primary School

Design Technology

Policy



Mrs S Eshborn

September 2022

Intent

Our intent is to:

- fulfil the requirements of the NC whilst ensuring relevance for our children by making links to our location and other curriculum subjects.
- inspire our children to exercise creativity through designing and making products using their knowledge and understanding.
- provoke thought and questions whilst encouraging our children to find answers through exploration and research.
- teach skills progressively and evaluate and adapt their work to improve their product and become evaluative learners.
- encourage our children to take risks, to develop new innovative designs and to be reflective learners.

Implementation

We will implement this by:

- teaching the National Curriculum: structures, textiles, electrical and mechanical systems and programming and cooking and nutrition, supported by a clear skills and knowledge progression, ensuring that skills and knowledge are built on and sequenced appropriately to maximise learning for all children,
- ensuring that units of work are set out in a long term plan over a two-year cycle with links to other curriculum subjects, where possible, and relevance to our children.
- ensuring planning and teaching of DT follows the investigate, design, make and evaluate cycle.
- providing children with choice and a range of tools to choose freely from, whilst making.
- ensuring progression is assessed by class teachers through the analysis of the pupil's ability to evaluate, design, make and improve their own work.
- monitoring which will be carried out by the DT lead.

Impact

This will ensure that children have:

- An excellent attitude to learning and independent working, enabling our children to become critical thinkers,
- The ability to use time efficiently and work constructively and productively with others,
- A thorough knowledge of which tools, equipment and materials to use to make their products,

- The ability to apply mathematical knowledge and skills accurately.
- The ability to manage risks to manufacture products safely and hygienically becoming resourceful, innovative and enterprising individuals.
- A passion and excitement for designing and making products including working with, preparing and tasting food.

Responsibilities

Headteacher:

- To understand and promote DT in school,
- To be committed to its development and funding,
- To follow and ensure that progress is made and that expected levels of achievement are achieved or exceeded.

Subject Leader:

- Lead and promote the development of DT in the school,
- Provide support and/or guidance to individual members of staff,
- Keep up to date with developments in DT and disseminate relevant information,
- Provide INSET training, facilitating professional development as and when requested/required,
- Review and monitor the success and progress of the planned units of work,
- Be responsible for the organisation and maintenance of DT resources.

Class teachers:

- Plan lessons to develop DT skills and concepts for all levels of ability, ensuring the needs of SEND pupils are met,
- Provide appropriate classroom organisation and resources,
- Plan and carry out assessment of children's progress against end of unit expectations,
- Provide the Subject Lead with information and feedback to ensure the children, staff and subject progress within our school,
- Track progress of each child,
- Provide extra challenges and broadened opportunities for pupils identified as Able and Talented (A&T).

Curriculum and school organisation

In order to achieve our aims, the teaching of DT at St Anthony's is approached in a flexible way throughout the school, within each Key Stage and within each year group team. There is a long term 2 year cycle overview (see website) for KS1, LKS2 and UKS2. EYFS follow a one year cycle. Plan Bee is used as a basis for medium term planning (see medium term planning grid) taking prior learning into account. Medium term planning follows the investigate/disassemble, plan, make and evaluate cycle for each unit of work, with the exception of Food technology which has a more skills based focus.

Planning, monitoring and evaluation is carried out at a whole school level, in order to implement any changes. This takes place through Subject Leader discussions with staff either informally or at staff meetings. A subject review and Action Plan is compiled annually to inform the SLT of next steps.

Resources

An inventory of resources and their location is available (on the T:Drive within the Curriculum folder). There is a DT storeroom within the Subject Leader's classroom and cooking equipment stored separately in another classroom, however all resources are shared and all staff, including visiting students, have equal access to these. It is the responsibility of the Subject Lead, in consultation with teachers, to review the usefulness of resources. The Subject Leader will monitor the resources, organise the DT equipment, audit and reorder consumables and replace damaged resources.

Equal Opportunities

All staff at St Anthony's are responsible for ensuring that all pupils have equal access to the school's DT equipment/resources/facilities without discrimination as well as those at Our Lady's Catholic High School when visited for Food Technology. We also provide equal opportunity by ensuring no child dominates during paired or group work by monitoring children, and if necessary intervening. Two main areas where children with special educational needs may encounter some difficulty are communication and using tools to produce products. All tasks will be adapted where necessary so that each child can succeed to the best of their ability and progress their skills. However, DT offers them the opportunity to achieve in a practical subject, communicating in a different way, ie. not through writing. Children who have difficulty with motor skills and/or coordination will be provided with other tools or support where possible to help overcome these challenges. Children who are more able in DT

are given the opportunity to experience the whole design process and positively encouraged to further develop their skills in open-ended tasks.

Health and Safety

The general teaching requirement for health and safety applies in this subject. We specifically teach the children how to use various tools correctly and safely as well as follow proper procedures for food safety and hygiene. Further and specific risk assessments for common tools and equipment can be found in a folder in the PPA room -Risk Assessments.

Monitoring and Review

At the end of each DT project, class teachers will provide assessment of the unit (DT assessment documents). The monitoring of the standards of children's work and of the quality of teaching in DT is the responsibility of the coordinator and class teachers. Moderation staff meetings will be held termly and samples of work brought to be discussed alongside the assessments to ensure consistency within the assessments of DT and that standards of end products remains high.