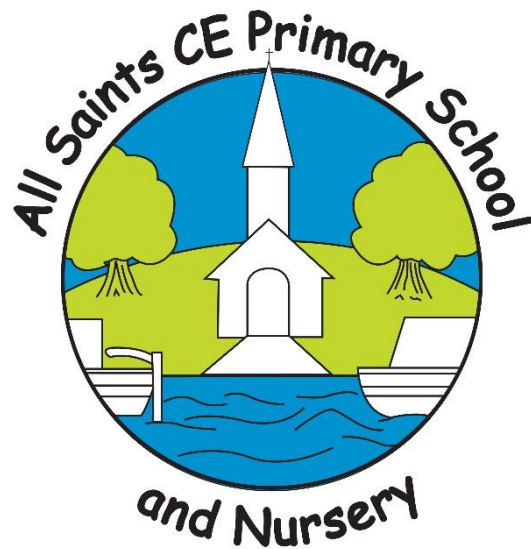# Design and Technology Policy

'Learning for life,

building a firm foundation'

Reviewed: September 2023

Headteacher: <u>Lisa Harrison</u>

At All Saints, we believe that our vision, *Learning for life, building a firm foundation,* is really important in terms of Design and Technology because we believe that children need firm foundations on which to build in all aspects of their lives.

Curriculum Intent

At All Saints our vision for Design and Technology is that we deliver high-quality lessons that will engage and inspire children to think innovatively and develop creative procedural understanding. Our aim is to deliver a broad and balanced curriculum, ensure the progressive development of knowledge and skills, to learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens through evaluation of past and present design and technology.

Curriculum Implementation

At All Saints, Design and Technology is taught through a topic related approach. Our creative curriculum is carefully planned to engage and excite all our learners. Children in their designing and making will apply knowledge and skills of, textiles, food, mechanisms and structures. Whilst we give children of all abilities the opportunity to develop their skills, knowledge and understanding, we have in place a skills continuum which ensures continuity and progression so that there is an increasing challenge for the children as they move up through the school.

Curriculum Impact

This approach to learning at All Saints enables all children to develop creative, technical and imaginative thinking in children. It enable children to develop their technical knowledge by talking about how things work. Our teaching allows children to foster enjoyment and purpose in designing, making things, evaluate, and test their ideas.

Teaching and learning

- In Nursery and Reception, the design and technology aspects of the children's work are related to the objectives in the early Learning Goals and forms an integral part of their topic work throughout the year.
- Group children in mixed ability groups.

- Provide resources of different complexity, depending on the ability of the child and the task set.
- Use classroom assistants to support the work of individuals or groups of children.

Resources

We have sufficient, high-quality resources to aid and support the teaching of all topics taught, from EYFS to Y6. We keep these in a central store, where they are labelled and easily accessible to all staff. Class teachers are responsible of ensuring the resources they require and available for their taught topics. EYFS have a range of resources kept in classes, for simple access for children during exploration.

Design and Technology and assessment

Children demonstrate their ability in Design and Technology in a variety of different ways. Teachers will assess children's work by making informal judgements as they observe them during lessons. On completion of a piece of work, the teacher assesses the work and gives oral or written feedback, as necessary, to inform future progress. Pupils are also encouraged to make judgements about how they can improve their own work. We use this as the basis for assessing the progress of each child and year group.

The design and technology subject leader looks at examples of pupil's work, discusses learning with pupils, teachers and teaching assistants, and monitors the expected level of achievement in each age group in the school.

'Sonar' is used as a tool to track children's progress in Design and Technology at All Saints. Formative classroom assessments help to build an overall picture of their developing design and technology skills.

Design and Technology and equal opportunities

- We aim to give every pupil the opportunity to enjoy a variety of scientific activities.
- Staff will create an environment that challenges stereotype and supports the appreciation of other cultures.
- Diversity and difference are celebrated and respected.
- All pupils will have an equal opportunity to reach their full potential across the design and technology curriculum regardless of their race, gender, cultural background, or special needs.

Design and Technology and inclusion

Design and Technology teaching considers the needs of different individuals and tasks are designed and differentiated as appropriate, to ensure an appropriate level of challenge. We will use opportunities within design and technology to challenge stereotypes. All children will be encouraged and supported to develop design and technological capability through a range of materials.