



Design Technology Policy

Intent

At the All Saints CEVA Primary School, we believe that Design Technology develops the potential of each child to design and make things in the world we live in today, to solve practical problems and meet individual needs. It provides a balance in which the creative and practical capabilities of pupils can be developed and inter-related. Design Technology helps children to bring their ideas to life and show how their minds work.

“I have filled him with the Spirit of God, with ability and intelligence, with knowledge and all craftsmanship, to devise artistic designs, to work in gold, silver, and bronze, in cutting stones for setting, and in carving wood, to work in every craft.”

Exodus 31:2-5

Purpose of study

Design and Technology is an inspiring, rigorous and practical subject. 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. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation.

2014 National Curriculum Aims

The 2014 National Curriculum for Design and Technology aims to ensure that all pupils:

- develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world
- build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users
- critique, evaluate and test their ideas and products and the work of others
- understand and apply the principles of nutrition and learn how to cook.

How is Design and Technology taught at All Saints CEVA Primary School? (Implementation)

At All Saint CEVA Primary the children are taught to involve elements from all areas of the curriculum in everything they design and make. Children are provided with a design brief and then research ideas which will help to fulfil this design brief. Skills and processes are taught and then children will apply this knowledge and skill to the making section of the design process. This approach encourages the thought process behind designing and making. Wherever possible, links will be made to other curriculum areas. Links will only be made however, when the links enrich the Design Technology Curriculum.

When evaluating their own work, children should refer to the design criteria established in the design brief as their basis for deciding on how good their product is.

The emphasis in Reception is for children to be encouraged to examine and talk about everyday objects and give possible reasons for why things are made the way they are. They will also be given opportunities to handle and use a

wide range of materials, developing their knowledge and understanding of these through practical design and make activities. There will be more teacher direction within design and technology activities within the Reception class but this support will decrease as children move through Key Stages 1 and 2.

Children will have opportunities to experience food technology at least once a year in all year groups. The children will be taught in their normal class group. All children with special educational needs will be given the opportunity to undertake design and technology activities. All design and technology activities will ensure an equal interest and participation level for both boys and girls.

At All Saints CEVA Primary, the children will be encouraged to use aspects of ICT to facilitate and enhance their design and technology. Where possible children will be presented with a choice of tools and resources, so that they are best able to meet their designs effectively.

Health and Safety

Individual class teachers must judge for themselves whether or not their class is able to use a particular resource. A range of equipment and children will be taught how to use equipment and tools safely. Risk assessments must be written when using potentially risky equipment, including Cookers, Hammers, Knives, Saws, Glue Guns or Hand Drills. Safety Glasses will be worn when there is a risk of damage to the eyes.

Food Hygiene

Children will be made aware as early as possible of the need for hygienic food preparation. Teachers should train the children to prepare food hygienically and supervise preparation. All surfaces must be cleaned thoroughly using anti-bacterial products prior to preparing food.

How we improve Design Technology at All Saints CEVA Primary School (Impact)

Teachers assess children's work in Design and Technology by making assessments as they observe them working during lessons. Children's work shows a high quality and neat presentation. Teachers collect examples of the children's work and forward them to the subject leader for inclusion in the Design and Technology portfolio. This evidence may be paper-based or electronic. The Design and Technology subject leader will keep evidence of children's work at different ability levels, forwarded by class teachers, in a portfolio. This demonstrates what the expected level of achievement is in Design and Technology throughout each year in the school. The subject leader regularly monitors teaching in Design Technology. Teachers meet regularly to discuss Design Technology and how to further improve the quality of teaching, planning and assessment.