



St Michael's CE Primary School, Sandhurst

Subject Vision Document: Design Technology

Vision (Intent)

At St Michael's CE Primary School, we have chosen a Design Technology curriculum which is inspiring, rigorous, and practical. We want our children to use creativity and imagination, to design and make products that at times solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. We intend for all children to acquire appropriate subject knowledge, skills and understanding as set out in the National Curriculum. It is our aim to create strong cross curricular links with other subjects, such as Mathematics, Science, Computing, and Art. We want Design and Technology to prepare our children to give them the opportunities, responsibilities, and experiences they need to be successful in later life.

Curriculum (Implementation)

Following the 'Kapow' Design and Technology scheme of learning, the children at St Michael's C of E Primary are provided with the opportunity to experiment and develop their skills in 'mechanisms' and 'mechanical structures, 'structures', 'textiles' along with 'cooking and nutrition'. Within each unit our aim at St Michael's is for the children to be taught the skills required for the particular focus and then to be creative and use these skills to design a final piece that solves a problem. At the end of each unit the children will finally reflect on the piece that has been produced with the context in mind.

Curriculum Structure

Across each year group the children will complete a unit of Design and Technology every term. It will focus on one of the focus areas of mechanisms, mechanical structure, structure, textiles or cooking and nutrition. As these areas of design and technology are revisited within key stages, it enables the children to develop and build on skills taught in previous year groups.

During the EYFS pupils explore and use a variety of media and materials through a combination of child initiated and adult directed activities. They have the opportunities to learn to:

- Use different media and materials to express their own ideas
- Use what they have learnt about media and materials in original ways, thinking about form, function and purpose
- Make plans and construct with a purpose in mind using a variety of resources
- Develop skills to use simple tools and techniques appropriately, effectively and safely
- Select appropriate resources for a product and adapt their work where necessary
- Cook and prepare food adhering to good health and hygiene routines

Lesson Delivery (Pedagogy)

A unit is usually based on 6 weeks' worth of lessons. This could be delivered over 6 weeks in a 1 hour lesson, weekly. However, at St Michael's C of E Primary School, we also allow teachers the flexibility of having a whole day of design and technology, to work on the unit in its entirety.

We are flexible to meet the children's needs and tailor their experience of art based on their interests, skills, and what areas they need to develop further.

'This little light of mine, I'm going to let it shine!'

Community



Compassion



Creativity



Courage





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Assessment

The children self-reflect on each piece of work that is produced, encouraging them to be celebrate as well as having that understanding that everything does not need to be perfect.

The teacher at the end of each unit then teacher assess the piece in an online tracking grid.

The coordinator will regularly complete pupil voice, as well as book scrutinise to maintain standards.

Outcomes (Impact – how do we measure and evaluate)

Children will have clear enjoyment and confidence in Design and Technology that they will then apply to other areas of the curriculum. Through carefully planned and implemented learning activities the pupils develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world. They gain a firm foundation of knowledge and skills to see them equipped to take on further learning in Secondary School.

Curriculum Enhancement

Big Day Out Trips allow Design and Technology focus at times.

Class visits.

STEM links with Sandhurst Secondary School.

Partnerships

TKAT subject leader forum.

Bracknell Forest Subject leader network.

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