

## Clee Hill Community Academy- Design and Technology Policy

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**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.

**Aims-** The national curriculum for design and technology aims to ensure that all pupils:

- develop the creative, technical & practical expertise needed to perform everyday tasks confidently & 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.

**Planning for DT-** Long Term Plans for YR-Y6 are available on our school website, <http://chcacademy.co.uk/curriculum/school-curriculum> along with a Progression of DT Skills and a document of our Curriculum Intent to meet SEND. Medium Term Plans for DT are kept in the big books where the children's learning is shown. We use Projects on a Page from the Design and Technology Association

Each DT project follows the DT process which has three core activities for the children to engage with:

- activities which involve investigating and evaluating existing products
- focused tasks in which children develop particular aspects of knowledge and skills
- designing and making activities in which children design and make 'something' for 'somebody' for 'some purpose'

**Early Years Foundation Stage & DT-** Important DT skills are addressed through Physical Development, Understanding the World and Expressive Arts and Design. They are also part of the characteristics of learning which are an essential part of the early years curriculum.

Pupils learn through practical activities, literally thinking with their fingers. They are given opportunities to develop and explore skills through directed adult led activities and through child-initiated play. They have access to a rich, stimulating environment which encourages exploration, problem solving, prediction, critical thinking, decision making and discussion.

**Cross Curricular Links-** Many cross-curricular links can be made with DT, including maths, English, science, computing, history, and forest school which can be seen in the long-term planning.

**Reading in DT-** Opportunities for reading in D&T occur in lessons from YR-Y6. When researching existing products, children read webpages, labels, books, headings & more detailed information. We use questions and design briefs, labelling diagrams and pictures neatly encourages the use of more technical vocabulary. The children talk about and record what they have done in pictures, diagrams and explanations. DT provides an excellent context for learning to read and write instructions, for examples in recipes.

**Cooking and Nutrition in DT-** As part of their DT learning, we believe that pupils should be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils also opens a door to an opportunity to be more creative. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.

We use the Eat Well guide. to understand the proportions of the different food groups we should be aiming to eat.

### Key Stage 1

- use the basic principles of a healthy and varied diet to prepare dishes
- understand where food comes from



### Key Stage 2

- understand and apply the principles of a healthy and varied diet
- prepare and cook a variety of predominantly savoury dishes, using a range of cooking techniques
- understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed

**Equal Opportunities-** At Clee Hill, all children have access to and are encouraged to participate in all areas of Design and Technology. Please read our Equal Opportunities Policy alongside this policy.

**Special Educational Needs and Disabilities-** We are committed to promoting equality and opportunity for all pupils with learning difficulties and all pupils with special educational needs. When planning and teaching DT, staff will make reasonable adjustments to promote equality of opportunity for all pupils. This may include allocating adult support, providing additional support materials, providing alternative support materials, a different size for example, or modifying practical tasks. Please read our Special Educational Needs Policy alongside this policy and look at the curriculum Intent to meet SEND, on our website.

To see lots of fantastic photos of children at every stage of the DT process, please look at the DT display outside the staff room, where several of our fantastic DT big books are on open and available for everyone to read and enjoy.

**How will we know the DT Policy is working?**

- Children will take part in a wide range of DT projects developing their creative, technical, and practical skills
- Children will understand the principles of nutrition and know how to cook