



White Cliffs

Primary School

Unique - Confident - Valued

Design and Technology (D&T) Policy

White Cliffs Primary School Design and Technology (D&T) Policy	
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Statement of intent

White Cliffs Primary School understands that D&T allows pupils to solve problems, think creatively and develop ideas. D&T offers pupils a chance to use creative thinking and activity within a defined purpose and tangible outcome. The school is committed to nurturing pupils' curiosity and creativity, as well as preparing them for living in a modern world where technology is rapidly changing and advancing.

In teaching D&T, we aim to help pupils:

- Develop their design and making skills.
- Develop their knowledge and understanding of design and technologies.
- Use a wide range of tools and materials.
- Learn about working safely and protective measures.
- Work individually and collaborate with other pupils in a variety of contexts.
- Develop the capability to create products of a high standard through skills and understanding.
- Evaluate products, made by themselves, their peer groups and companies.
- Explore the man-made world and encourage discussion of how we live and work within it.
- Develop an interest in and understanding of technological processes and the role of manufacturing in society.
- Learn the principles of nutrition, healthy eating and how to cook.

1. Legal framework

1.1. This policy has due regard to all relevant legislation and statutory guidance including, but not limited to, the following:

- DfE (2018) 'Keeping children safe in education'
- DfE (2013) 'Design and technology programmes of study: key stages 1 and 2'
- The School Admissions (Infant Class Sizes) Regulations 2012

2. Roles and responsibilities

2.1. The Curriculum Subject Lead (CSL) will be responsible for overseeing the review of this policy.

2.2. The CSL will be responsible for monitoring the progression of teaching and learning.

2.3. The CSL will also be responsible for:

- Implementing this policy across the school.
- Maintaining resources and advising staff on the use of materials.
- Assisting the Senior Leadership Team (SLT) in deciding on the allocation of resources.
- Supporting teaching staff, advising and offering to share their expertise and experience.
- Leading staff training on new initiatives.
- Helping staff to plan future lessons and assessments and advising teachers on teaching methods they may wish to explore.
- Encouraging staff and pupils to be creative.
- Monitoring the delivery of the curriculum and the progression of skills.

2.4. Classroom teachers will be expected to:

- Plan and deliver interesting and engaging lessons that adhere to the national curriculum.
- Provide equality of opportunity through their teaching approaches and methods.
- Plan according to the Progression in Skills documents.

- Ensure pupils' development of skills and knowledge progresses through their learning and understanding of D&T.
- Set pupils suitable targets based on prior attainment.
- Maintain an enthusiastic approach to D&T.

3. National curriculum

3.1. The school aims to assist pupils in achieving attainment targets set out in the National Curriculum. By the end of each key stage, pupils are expected to know, apply and understand the matters, skills, and processes specified in the National Curriculum. Pupils will learn a broad range of subject knowledge and draw on disciplines such as maths, science, engineering, computing and art.

3.2. In accordance with the National Curriculum, the school 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 prototypes 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.

4. Cooking and nutrition

4.1. As part of their work with food, pupils will be taught how to cook and apply the principles of nutrition and healthy eating. 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.

4.2. By the end of KS1, pupils will be able to:

- Use the basic principles of a healthy and varied diet to prepare dishes.
- Understand where food comes from.

4.3. By the end of KS2, pupils will be able to:

- 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.

5. Equal opportunities

- 5.1. We are an inclusive school that ensures all pupils are provided with equal learning opportunities, regardless of their characteristics or backgrounds.
- 5.2. Teachers will adapt how they deliver the D&T curriculum based on the needs of pupils.
- 5.3. In order to ensure pupils with SEND achieve to the best of their ability, teachers will adapt targets and the delivery of the curriculum for these pupils.
- 5.4. The planning and organising of teaching strategies for each subject will be consistently reviewed to ensure that no pupil is at a disadvantage.
- 5.5. The school aims to maximise the use and benefits of D&T as one of many resources to enable all pupils to achieve their full potential.

6. Health, safety and hygiene

- 6.1. In order to maximise their learning experience, pupils are allowed full access to a wide range of materials in D&T lessons; however, health and safety concerns are inherent with D&T, including storing materials and tools, and the use of equipment.
- 6.2. PPE; such as gloves, head protection, eye protection and hearing protection is made available to all pupils and teachers.
- 6.3. The risks of each task will be assessed by the classroom teacher and CSL before lessons and relevant PPE will be compulsory based on their decisions.
- 6.4. Equipment will be tested before the start of every lesson by the classroom teacher.
- 6.5. Pupils will be supervised at all times during D&T lessons.
- 6.6. All tools, such as glue guns, will be checked before use by the class teacher. It is also the duty of staff to recognise and assess the hazards and risks associated when working with food and other materials.
- 6.7. All pupils will be taught how to use all equipment properly by the classroom teacher before doing so; similarly, pupils will also be fully briefed on the importance of how to correctly use equipment and tools.

- 6.8. Pupils are only allowed to use a lower temperature glue gun under one-to-one supervision – an adult must use the glue gun at all other times. Glue guns will be considered alongside all viable alternatives such as adhesive tapes, blue tack and other fasteners, to ensure the most suitable materials are used for each project.
- 6.9. Perishable food will be stored sensibly and refrigerated if necessary. Care must be taken by teachers and teaching assistants to ensure food is not used after the given sell by date
- 6.10. A fire safety blanket will be kept next to the cooker at all times.
- 6.11. If any cooking or food preparation is taking place in the classroom, all surfaces will be cleaned before and after use.
- 6.12. Teachers and Support Staff will oversee that all cupboards, table tops and cookers are clean and in working order.
- 6.13. Correspondence will be sent to parents before cooking lessons to ensure pupils' allergies are taken into account. The school holds a list of pupils with diagnosed allergies.

7. Teaching

- 7.1. The school uses a variety of teaching and learning styles in D&T lessons, the main aim of these lessons is to develop pupils' knowledge, skills and understanding. Teachers will ensure pupils apply their knowledge and understanding when developing ideas, planning and making products, and then evaluating them.
- 7.2. The school aims to do this through a mixture of whole-class teaching, group work, and individual activities. Pupils are given the opportunity to work on their own and collaborate with others, listening to their classmates' ideas and treating these with respect.
- 7.3. Principles for effective teaching include:
 - Setting tasks in the context of pupils' prior knowledge.
 - Promoting active learning.
 - Inspiring, exciting and motivating pupils to know more.
- 7.4. Strategies for effective teaching include:
 - Ensuring the teaching methods used suit the purpose and needs of pupils.

- Providing a meaningful context and clear purpose when assigning tasks.
- Investigating, disassembly and evaluative activities.
- Using focussed practical tasks to help pupils make and evaluate products.
- Ensuring tasks are built on skills and understanding.

8. Assessment

8.1. Pupils' D&T work may be assessed throughout the design process and by teachers judging recorded work. Teachers will also assess pupils':

- Knowledge of tools, materials and equipment.
- Ability to record and communicate their design ideas in a clear manner.
- Personal qualities and attitudes towards their work.
- Ability to explain what they have created and how.
- Ability to use tools and materials safely and effectively.
- Ability to evaluate their work and the work of others.

8.2. The majority of assessments will be conducted through observations and discussion.

8.3. Assessments will be recorded in the end of year reports to parents. A selection of work may be retained as evidence or photographed for this purpose.

9. Resources and equipment

9.1. The school has a selection of centrally stored materials, tools and equipment to ensure that all pupils have access to the necessary resources. The D&T budget covers the cost of materials and replacement tools.

9.2. Pupils may occasionally be asked to bring materials from home if they can; however, to allow all pupils the same opportunities, pupils that are unable to do this will be provided for.

9.3. Food technology resources will be kept in the Food Preparation Room.

9.4. At the start of every school year, the CSL will assess the school's D&T tools and materials to ensure there is sufficient equipment for pupils.

10. Monitoring and review

10.1. This policy will be reviewed every two years by the CSL.

- 10.2. Any changes made to this policy will be communicated to all members of staff.
- 10.3. All members of staff directly involved with the teaching of D&T are required to familiarise themselves with this policy.
- 10.4. The scheduled review date for this policy is May 2023.