



Tregoze
• Primary School •
Inspire • Motivate • Challenge

Tregoze Design and Technology Policy

Status and review cycle: Legally Required

Bi-Annual review required

Reviewed: LBG

Ratified by governors on: June 2019

Next review date: June 2021

Design and Technology Policy

At Tregoze, we believe that Design Technology develops the potential of each child to design and make things, 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. The Design and Technology curriculum develops children's understanding of the world and how we live and work within it. Through investigating technological processes and manufactured products, pupils can appreciate the important contribution these make to our society.

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 Tregoze?

At Tregoze the children are taught to involve elements from all attainment targets 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. Design and Technology will be taught either in blocked weekly sessions or in a condensed two or three day time frame where appropriate. Individual class teachers will decide whether or not their topics will be taught over a period of weeks or whether to teach it in a condensed period. 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 term in Years 1 to 6. 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 Tregoze the children will be encouraged to use data handling, word processing, graphics and spreadsheets 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 will be used as listed below 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.

Review and evaluation of the policy

This policy was drawn up by the DT coordinator, working in consultation with the whole staff.

Its implementation is seen as the responsibility of all staff. Its use and effectiveness will be supported and monitored by the SLT on behalf of the Governors.

SignedPrincipal

Date