

# Wicklewood Primary School and Nursery

## Design and Technology Policy

### **Rationale**

Technology is concerned with the application of knowledge, skills and understanding when designing and making good quality products fit for their intended purpose. It is necessary that children understand design and technology concepts, which draw on a broad range of knowledge from mathematics, science, engineering, computing and art, in order to be able to relate to their environment. Through the processes involved in Design and Technology and evaluating past and present designs, children will understand the major part technology and its processes play in their lives and the wider world. It is with this understanding that a contribution to creativity, culture, wealth and well-being of a nation is made.

### **Purpose**

Children at Wicklewood Primary School and Nursery will:

1. Experience a variety of approaches with a range of media as described in the National Curriculum Objectives for KS1 and KS2 and the EYFS learning goals.
2. Develop their understanding of the ways they can design, make and evaluate a product and with an increasing technical knowledge, explore how they can be made to work more effectively.
3. Learn to use equipment with a clear understanding of correct health and safety practise.
4. Communicate and record their ideas through various means.
5. Discuss, compare and evaluate their own and others' work.
6. Understand the basic principles of a healthy and varied diet and prepare dishes using a range of cooking techniques. Children will know where food comes from and gain knowledge of the processes involved in growing, rearing, catching and processing food.

### **Broad Guidelines**

1. Teaching methods will vary according to the type of activity being undertaken but all projects will involve designing, making and evaluating a product and the children will gain technical knowledge throughout the process.
2. Staff will use the National Curriculum objectives, follow the school's curriculum map and progression of skills document to support them when planning.
3. All pupils will experience a wide range of design and technology activities: knowledge of systems, mechanisms and properties of materials and cooking and nutrition.
4. Teachers are responsible for the planning, delivery and assessment of the Design and Technology Curriculum. Planning will be differentiated, so children of all ability will have equal access.
5. The subject leader is responsible for ordering specialised material, and to make sure that resources are stored and organised appropriately. Teaching staff are responsible for advising him/her of extra equipment/resources needed to complete projects in advance.

### **Conclusion**

Design and Technology forms an integral part of the school's Curriculum and is a valuable tool in bringing together many elements of thematic work as well as the core subjects. The high quality of teaching should enhance children's learning and enjoyment, installing a love of cooking and equipping them with crucial life skills needed in adult life.

This policy directly links/relates to the Teaching and Learning Policy, SEN Information Report and English Policy.