

## **Wooler First School Design Technology**

### **Intent**

At Wooler First School, Design Technology education should be fully inclusive to every child. It is our aim to instil a love of Design Technology in all our children whilst fulfilling the requirements of the National Curriculum. It is our intent for design technology to be taught in all year groups through at least one topic per term. We intend our Design Technology curriculum to develop learning and result in the acquisition of knowledge and skills. Our teaching will encourage children to identify real and relevant problems, critically evaluate existing products and then take risks and innovate when designing and creating solutions to the problems. We will create opportunities to link design technology with other subjects.

### **Implementation**

To ensure high standards of teaching and learning in design technology, we implement a curriculum that is progressive throughout the whole school. Design technology is taught half termly using the Plan Bee scheme which is based upon the 2014 Primary National Curriculum in England. Teachers plan lessons for their class using the scheme as a starting point, they also take into account the interests and needs of their children. Food technology is implemented across the school with children developing an understanding of where food comes from, the importance of a varied and healthy diet and how to prepare this.

All teaching of design technology should follow the design, make and evaluate cycle. Children design products with a purpose in mind and an intended user of the products. While making, children should be given access to a range of relevant tools to choose from. To evaluate, children should be able to evaluate their products against some design criteria. Each of these steps should be rooted in technical knowledge and vocabulary. Design technology should be taught to a high standard, where each of the stages should be given equal weight. There should be evidence of each of these stages in the children's art/design technology books, which should develop to show a clear progression of skills within each key stage.

### **Impact**

Children will have clear enjoyment and confidence in Design Technology that they will then apply to other areas of the curriculum. Children will ultimately know more, remember more and understand more about Design Technology, demonstrating this knowledge when using tools or skills in other areas of the curriculum and out of school. The children are encouraged to research independently to further their own enjoyment and fascination about the topic. This might take place in the classroom and at home through topic-based homework. Evidence of work shows a range of topics covered and differentiated work. Standards in Design Technology are high and match standards in other subjects.

Impact is measured through informally assessing the children's understanding before and after each topic is taught; marking of work in books and discussions with pupils throughout each unit. SLT are kept informed through moderation, subject reports and annual subject action plans.