

Intent

At Brindishe Schools, we want children to be able to develop the expertise to perform everyday tasks confidently and to be able to participate successfully in an increasingly technological world. Children will be taught explicit skills over a week every term which is dedicated to design and technology. They will design and make products that solve real and relevant problems. This will mean that they will be more likely to take risks and be creative when solving problems.

Implementation

We hold regular Design and Technology Weeks where children follow the whole process of designing a product: the research; designing, making and evaluating a prototype; designing, making and evaluating a product. Children are also taught discreet skills in order to make their product e.g. sawing, using a glue gun.

There are four types of DT that we cover: textiles, structures, mechanisms and food. Each year group has the choice of three out of four projects over the year and the skills that the children learn are built upon from year to year.

In our Early Years, children self-select from a wide range of resources as part of the continuous provision that we offer and children are encouraged to design and create freely. During DT week, there is a focus on a specific project.

In Key Stage 1, children are taught specific skills which link with their project. They study several examples of the product before designing, making and evaluating their own.

In Key Stage 2, children are taught how to use a range of equipment and become more independent in using these as they move through KS2. They use surveys to find out what the consumer wants then design an initial product. They create a prototype and then evaluate and improve their design. Finally, they create their product and evaluate it.