בס"ד

INDEPENDENT JEWISH DAY SCHOOL
an ACADEMY

Design and Technology

Intent

At IJDS, we want our children to use creativity and imagination, to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. It is our aim to create cross curricular links with other subjects, such as Maths, Humanities, Science and Jewish Studies. We 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. Time is built in to reflect, evaluate and improve on prototypes using design criteria throughout to support this process.

We recognise the significance of Design and Technology in an ever-changing world and aim for our pupils to be aware and conscious of the decisions they are making as explorers, designers, makers and evaluators.

Implementation

We follow the Early Years Framework and the National Curriculum for Design and Technology. Early Years children follow a curriculum based on their needs and interests which ensures they are developing ready for DT teaching in the National Curriculum. As children progress through the school, DT becomes more project based. For each element of DT technical knowledge e.g. structures, mechanisms (including control systems in KS2), textiles and food and nutrition, the children spend time improving their skills in order to design, create and evaluate for a purposeful product. From Year 1-6 the children will learn 3 of the different types of technical knowledge each year and have the opportunity to develop their skills and knowledge. Teachers use the school's progression documents to ensure the pitch of the work builds on the children's prior learning.

Impact

Children will have clear enjoyment and confidence in Design and Technology that they will then apply to other areas of the curriculum. Through carefully planned and implemented learning activities the pupils develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world. They gain a firm foundation of knowledge and skills to see them equipped to take on further learning at secondary school.

The impact will be measured through key questioning skills built into lessons, child-led assessment and summative assessments aimed at targeting next steps in learning.