

Design and Technology Curriculum Statement:

'Design and technology should be the subject where mathematical brainboxes and science whizzkids turn their bright ideas into useful products' James Dyson

The Greenvale Offer:

National Curriculum:

Pupils learn the knowledge and skills required of them to be academically successful, building upon their individual starting points.

Inclusion / Diversity:

At Greenvale we strive to ensure that every member of our school has equal access to our curriculum. Where necessary, activities are adapted to meet these needs so that all are able to succeed in what they do.

Greenvale champions diversity, ensuring that our curriculum is reflective of our community.

Values:

Pupils are able to apply our six school values to all aspects of our curriculum. These values form the foundation of our learning at Greenvale.

Our school values consist of:
Respect, Kindness, Co-operation, Responsibility, Resilience and Courage.

Community:

We are a hub of our local community and seek opportunities to enhance our offer where possible.

This includes links to our Forest School, The ARC Centre, places within our local community as well as the use of visits / visitors to broaden and develop opportunities and experiences for our children.



<p style="text-align: center;">Intent (What do we want our children to know and be able to do?)</p>	<p style="text-align: center;">Implementation (What will it look like in the classroom?)</p>	<p style="text-align: center;">Impact (How will this be measured?)</p>
<ul style="list-style-type: none"> • DT planning inspires children through a broad range of practical experiences to create innovative designs which solve real and relevant problems within a variety of different contexts. • Children explore their ideas recording their experiences, and exploring the work of others. • Children evaluate existing products to inform their own design choices. • SEND children access the same rich curriculum, adapted to their needs. • Children reflect, evaluate and innovate when designing and creating solutions to improve designs. • Children learn about key events and the individuals who have helped shape the world, showing the real impact of design and technology on the wider environment. This inspires children to become the next generation of innovators. 	<ul style="list-style-type: none"> • Throughout each year, classes will undertake topics in construction, textiles and food or drink. • Teaching incorporates elements of product analysis, research, design, make and evaluate. • Work will be evidenced in the Topic books • A range of skills are taught, ensuring that children are aware of any associated health and safety issues that may apply. • Key vocabulary is built into each lesson. Technical vocabulary is emphasised and displayed on evaluation sheets. • Children revisit and consolidate skills in each Key Stage building upon prior knowledge. • At EYFS have free access to construction toys and materials in the indoor and outdoor environment. Other activities may be initiated by an adult to support the development of a particular skill. • All children use an evaluate their work, to think reflectively about their work and make changes to their project that will improve it. The evaluation includes the project's aims, what went well, challenges, how they were dealt with and what they would change next time. 	<ul style="list-style-type: none"> • Children use tools appropriately and safely. • Children understand the vocabulary associated with their Topic. • Children are able to analyse their own work and look for ways to improve. • Children speak enthusiastically about Design and Technology. • Evidence of good practice is displayed in classrooms and around the school.

