

Design and Technology at St Nicholas C.E. Primary Academy

Within the love of God, at St Nicholas C.E. Primary Academy we encourage children to use their creativity and imagination to design and make products that engage them in our curriculum topics. Our pupils consider their own and others' needs and desires in order to create effective outcomes. We aim to, wherever possible, link work to other disciplines to develop wider learners and get children ready for their next step of education.

"Design is not just what it looks like and feels like. Design is how it works."

Steve Jobs

Our Aims and Purpose

- To understand the 'design, make and evaluate' cycle
- To give children the knowledge for them to choose from a range of tools to create and make.
- To provide children with the understanding necessary for them to be able to evaluate and compare their own products against others.

Implementation

- Teaching is progressive and builds skills and knowledge in a well-thought-out sequence created through companion projects.

EYFS

- *Safely use and explore a variety of tools, materials and techniques, experimenting with colour, design, form and function*

KS1

Design:

- *Design rooted in relevant contexts*
- *Planning completed through appropriate formats*

Make:

- Children are given a range of tools to choose from for their project
- Children are given a range of materials and components

Evaluate:

- Evaluate against existing products
- Evaluate against design criteria

KS2

Design:

- *Design rooted in relevant contexts*
- *Research designs based on function and aesthetics*
- *Planning completed through appropriate formats*

Make:

- Children are given a range of tools to choose from for their project
- Children are given a range of materials and components

Evaluate:

- Evaluate against existing products
- Evaluate against design criteria
- Understand how key events and individuals have helped shape DT



The fundamentals

- To be able to use a range of equipment efficiently and independently.
- Children to have the understanding to compare products.
- Pupils can evaluate their own and others' products.

Planning

- Planning is theme-based and informed by the subject progression in DT.
- Cornerstones provides a resource basis for delivering the DT curriculum.
- A progressive approach to ensure that all children fulfil their potential in DT.
- Using a cross-curricular approach to link DT to other areas across the curriculum.

Cross - curricular Opportunities in DT

History

Geography

Science

