Design and Technology-Intent and Implementation Statement

"Good buildings come from good people, and all problems are solved by good design."

Stephen Gardiner

Intent

At the Manor, we intend to provide...

- A curriculum that is ambitious and designed to give all learners, particularly the most disadvantaged and those with special educational needs and/or disabilities (SEND) or high needs, the knowledge and cultural capital they need to succeed in life.

- A curriculum that is coherently planned and sequenced towards cumulatively sufficient knowledge and skills for future learning and employment.

Why is Design and Technology an important subject for children to experience?

At The Manor, we believe that Design and Technology is significant to a child's development because it enables them to develop an understanding of the designed and made world. It encourages them to question and explore the world they live in and how this could be improved. It encourages children to be innovative and take risks; to challenge what they see and know and use their creative and logical minds in practical ways.

Implementation

We encourage children to ask and explore big questions and to engage actively in rich learning experiences to extend and challenge their ideas. During their learning in Design and Technology children have the opportunity to develop their designing and making skills with knowledge and understanding to create quality products.

Children are taught Design and Technology in a way that relates to their world. We use real life situations and contexts to make the subject real. We want to develop each child's knowledge based on what they already know and as a result we build in regular opportunities for children to reflect on their learning journey. Children are introduced to technical language and terminology associated with this subject and are encourage to share their ideas and knowledge with accuracy and precision.

There are three core activities children engage with in Design and Technology:

•Activities which involve investigating and evaluating existing products.

•Focused tasks in which children develop particular aspects of knowledge and skills.

•Designing and making activities in which children design and make something for somebody for a specific purpose

Children will engage in learning about:

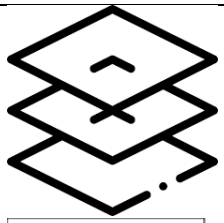
Structures

Textiles

Food

Mechanisms

Golden threads Within this subject.

Subject Name D & T	**Subject lead: James Summerson**		Date 2021-2022	
How do the following 'Golden Threads' work within this subject?				
 **Christian Values**	 **Language rich**	 **In depth**	 **Knowledge Rich**	 **Active and Enriched**
This subject supports our Christian Values by…	This subject supports children's language use and acquisition by…	This subject provides in depth learning through…	This subject provides children with age appropriate knowledge by…	This subject allows for active and engaged learners by…
Developing **Courage**, by expecting children to solve problems and create high quality content, though the use of a range of different materials	Highlighting key words and technical language within the subject.	Developing children's, knowledge, skills, understanding and attitudes in: Sliders and levers Freestanding structures Preparing fruit and vegetables Textile work Pulleys and gears	Gaining new knowledge about systems, processes and physics that can be applied to solving problems	Participating in their own assessment, so that they know how they are doing.
Developing **Respect,** by teaching children about how to use a range of age-appropriate equipment safely	Explaining subject specific language for gears, levers, structures and other areas of the curriculum	Through providing a range of opportunities to develop planning, design and practical skills	By developing other subject knowledge, such as electronics, forces and pulleys and levers.	Providing children with the chance to tinker, adapt, innovate and evaluate their learning.
Developing **confidence** through secure progression from skill to skill	Providing children with technical names for tools, equipment and processes.	Through having breadth across the subject. Children learn about a wide range of applied knowledge, skills and attitudes to develop their understanding.		