

## Curriculum Intent

Design and Technology is an inspiring, rigorous and practical subject. Children learn how products and systems are designed and manufactured, how to innovate and solve problems. Design and Technology encourages children to learn to think and intervene creatively, both as individuals and as a team. The school values of honesty, integrity and resilience are key in this work as the children engage positively with the designed and made world. At Griffin Primary School, we encourage children to use their creativity and imagination, to design and make products for an authentic purpose. These products must solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. We work with the children to use their resilience to create, improve and evaluate their work throughout DT projects in order to make creative use of a variety of resources including digital technologies.

Design and Technology Overview 2024- 2025			
	Autumn	Spring	Summer
Year 1	Mechanisms /Sliders and pivots	Food Nutrition	Structures
Year 2	Mechanics/ Wheels and Axles	Food Nutrition	Textiles
Year 3	Textiles	Structures	Mechanical systems: Pneumatic
Year 4	Food Nutrition	Electrical Systems	Digital Systems
Year 5	Mechanisms/ Cams	Structures	Electrical Systems
Year 6	Food Nutrition	Textiles	Digital World

## DT in EYFS

This document demonstrates which statements from the Development Matters are prerequisite skills for DT within the national curriculum.

The most relevant statements, from the EYFS Development Matters, for DT are taken from the following areas of learning:

- Physical Development
- Expressive Arts and Design

In early years at Griffin, we recognise that children need to be exposed to a wide range of higher-level vocabulary. Therefore, throughout their time in early years, we ensure children have had some specific teaching and learning experiences, through rich vocabulary, that are linked with foundation subjects. This forms only part of a wide range of vocabulary, topics and experiences, following the children's interests. The learning across all the seven areas in early years support the children's holistic development, ready for the transition to the KS1 curriculum.

<b>Three and Four- Year- Olds</b>	Personal, Social and Emotional Development	<ul style="list-style-type: none"><li>• Select and use activities and resources, with help when needed. This helps them to achieve a goal they have chosen or one which is suggested to them.</li></ul>
	Physical Development	<ul style="list-style-type: none"><li>• Use large-muscle movements to wave flags and streamers, paints and make marks.</li><li>• Choose the right resources to carry out their own plan.</li><li>• Use one-handed tools and equipment, for example, making snips in paper with scissors.</li></ul>
	Expressive Arts and Design	<ul style="list-style-type: none"><li>• Make imaginative and complex 'small worlds' with blocks and construction kits, such as a city with different buildings and a park.</li><li>• Explore different materials freely, in order to develop their ideas about how to use them and what to make.</li><li>• Develop their own ideas and then decide which materials to use to express them.</li><li>• Create closed shapes with continuous lines, and begin to use these shapes to represent</li></ul>

		objects.
--	--	----------

Reception	Physical Development	<ul style="list-style-type: none"> <li>• Progress towards a more fluent style of moving with developing control and grace.</li> <li>• Develop their small motor skills so that they can use a range of tools competently, safely and confidently.</li> <li>• Use their core muscle strength to achieve a good posture when sitting at a table or sitting on the floor.</li> </ul>
	Expressive Arts and Design	<ul style="list-style-type: none"> <li>• Explore, use and refine a variety of artistic effects to express their ideas and feelings.</li> <li>• Return to and build on their previous learning, refining ideas and developing their ability to represent them.</li> <li>• Create collaboratively, sharing ideas, resources and skills.</li> </ul>

Key Vocabulary	scissors, sellotape, masking tape, glue, join, paper, wood, metal, plastic, card and names of colours.
----------------	--