

Year R: Autumn

Our Learning Leaves Curriculum – DT

	Required prior knowledge	Knowledge to be explicitly taught	How knowledge will be built upon
Substantive knowledge	<p>The names of different tools, including scissors, glue, rolling pin. (FS1)</p> <p>Exploration with building and construction. (FS1)</p> <p>Imaginative role play. (FS1)</p>	<p>Food How to hold cutlery correctly.</p> <p>Construction If an object is balanced, that means it is not moving. For boxes to balance you need to put the biggest ones on the bottom.</p> <p>Joining is putting two things together. You can use materials such as glue to join.</p> <p>How to use scissors correctly. Scissors can be used to cut different materials.</p> <p>People Robert Goddard invented the world's first liquid powered rocket.</p> <p>Emilio Herrera created the astronaut's space suit.</p>	<p>Food A sandwich has two pieces of bread with a filling in the middle. (YR Sum)</p> <p>Ingredients are any of the foods combined to make a particular dish. (YR Sum)</p> <p>Construction Scissors are used to cut different materials. Glue can be used to join different materials together. (YR Spr)</p> <p>Houses are made from bricks because they are more stable and durable. (YR Spr)</p> <p>The names of different materials. (YR Sum)</p>
Disciplinary knowledge	<p>Development Matters 3 and 4 Year Olds: Make imaginative and complex 'small worlds' with blocks and construction kits.</p> <p>Explore different materials freely, in order to develop their ideas about how to use them and what to make.</p> <p>Use one-handed tools and equipment, for example, making snips in paper with scissors.</p>	<p>Food I can hold my cutlery correctly and use it to eat different food. ELG – Use a range of small tools, including scissors, paintbrushes and cutlery.</p> <p>Construction I can balance and stack different objects.</p> <p>I can cut using scissors correctly and join materials together to create props for role play. ELG – Make use of props and materials when role playing characters in narratives and stories.</p>	<p>Food I can choose the ingredients I need and can put them together to make a sandwich. (YR Sum)</p> <p>Construction I can explain why I have chosen certain materials to build or create. (YR Spr)</p> <p>I can select tools for a purpose and use them successfully. (YR Spr)</p> <p>I can name different materials and explain what they can be used for. (YR Sum)</p>

Culture and Diversity - which helps pupils to develop enquiring minds about the wider world.

Designers and architects from different countries, genders and periods of time are focused on within DT.

Designers/Architects/Inventors: Robert Goddard (1882 – 1945); Emilio Herrera (1879 – 1967)

Environment and Community - which helps to instil in our pupils a respect for our environment and for our local and wider communities.

Children are taught how to use different materials without creating waste and damage for the environment. Recycled materials are also reused within DT and children regularly use old boxes and junk modelling within construction.

Eco: free access to 'MAKEDO' kits and cardboard during choice and challenge

Creative arts and physical development - which helps our pupils to express themselves and excel as holistic learners.

Children use construction to present their new knowledge in different ways, particularly in the outdoor area.

Physical development: using cutlery correctly is a key skill and will develop motor skills; stacking and balancing different objects to develop strength and gross motor skills.

Learning to learn - which helps pupils to concentrate and focus and build resilience as learners.

Children need time outside within the construction area in order to focus within the classroom. Constructing allows the children to work together, developing both their teamwork skills and resilience.

Across the curriculum: using scissors correctly is a key skill that can be applied across the curriculum

Books: Space Tortoise by Ross Montgomery