

Year 2: Autumn

Our Learning Leaves Curriculum – DT

	Required prior knowledge	Knowledge to be explicitly taught	How knowledge will be built upon
Substantive knowledge	<p>Food Kneading makes the dough stretchy and elastic. You need to stretch the dough away from you with the heel of your hand. (Y1 Aut)</p> <p>Construction A plan is a set of decisions about how to do something. (Y1 Spr)</p> <p>Tools are anything that can be used to make a change to something else or to help get a job done. (Y1 Spr)</p>	<p>Food Kneading is mixing ingredients together using your hands. Kneading is used to make bread.</p> <p>Construction Mechanisms are the parts that make something work.</p> <p>Sliders and levers are mechanisms that make things move.</p> <p>Sliders help things move up and down and left and right.</p> <p>Joining is putting two or more things together.</p>	<p>Construction Mechanisms are the parts that make something work. (Y2 Sum)</p> <p>Wheels are mechanisms. They are circular objects, connected at the centre to a bar and are used for making things move. (Y2 Sum)</p> <p>To use a glue gun safely you need to keep your hands away from the hot glue and make sure no one trips over the cable. (Y2 Sum)</p>
Disciplinary knowledge	<p>Food I can knead dough and shape it to make a landmark from the UK. (Y1 Aut)</p> <p>Construction I can use cutting, rolling and coiling to create a habitat in a shoebox with moving parts. (Y1 Spr)</p>	<p>Food I can knead dough to make a loaf of bread, like the ones made in the bakery on Pudding Lane.</p> <p>Construction I can use a slider to make something move up and down.</p> <p>I can cut and join different materials together to create a Tudor house.</p>	<p>Construction I can use tools safely to make a bathing machine, by joining different materials together. (Y2 Sum)</p> <p>I can use wheels to make my bathing machine move. (Y2 Sum)</p>
Key Drivers	<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: Christopher Wren, United Kingdom (1632 – 1723)</p> <p>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 challenge time; use of cardboard boxes and recycled materials to create Tudor houses.</p> <p>Creative arts and physical development - which helps our pupils to express themselves and excel as holistic learners. Children can use designing and constructing to present their knowledge in different ways across the curriculum. Physical development: CoJo – 'Samuel Pepys' Mission 4, 5 and 6 – designing, making and evaluating. Mission 2 and 3 – learning about food hygiene, the differences in the food eaten by the poor and rich and following instructions to make dough.</p> <p>Learning to learn - which helps pupils to concentrate and focus and build resilience as learners. Design and technology can develop resilience and teamwork. Books: The Great Fire of London by Emma Adams</p>		