

"At St Michael's, we believe that children across the school should have the opportunity to perform practical tasks with increasing confidence, being able to explain their thoughts behind the process. As designers, the children at St Michael's are able to work with a range of tools, designing, making and evaluating their projects."

	Reception	Year 1	Year 2	Year 3	Year 4
Design	I know how to represent my own ideas through design and technology.	I can use my own experiences to generate ideas, explaining what it is I am going to do and how.	I can use my own experiences, and other peoples to generate ideas. I know how to develop my ideas through drawing, modelling, observation and discussion	I can consider the purpose and user to generate ideas, considering why my product is necessary, and how I will make it. I know how to plan the order of my work and use drawings with labels.	I can consider the purpose to generate ideas, making labelled drawings to show specific features. I know what needs to be done, how do it and what to change if it fails.
Make	I can safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.	With help I can measure, mark out, cut and shape a range of materials, using tools safely. I can assemble, join and combine materials using a variety of temporary methods.	I can select tools and materials, and measure, cut and score them with some accuracy. I know how to use some hand tools safely and appropriately to assemble, join and combine materials to make a product	I know which tools and techniques to use to make my product. I can measure, mark out, cut, score and assemble with more accuracy. I know to work safely and accurately with a range of simple tools. I can change things if this helps to improve my work.	I know which tools and techniques to use to make my product. I can measure, mark out, cut, and shape a range of materials using appropriate tools, equipment and techniques. I can join and combine components accurately in temporary and permanent ways.
Evaluate	I can adapt my work where necessary, and with help can explain why.	I can talk about how well my product works, linking to things that worked well and things I might change next time.	I can evaluate my product, linking back to my design. I can talk about what worked well and what I might change next time, linking to my likes and dislikes.	I can evaluate my product to see how well it meets it purpose. I know how to disassemble and evaluate other products.	I can evaluate my work both during and at the end of the project. I know how to evaluate my product, using appropriate tests, and consider the views of others.
Technical Knowledge	I know that a range of technology is used in places such as home and schools. I can select and use technology for different purposes.	I know how structures can be made more stable. I can use the correct technical vocabulary.	I can explore and use simple mechanisms such as levers, sliders, wheels and axles. I can use the correct technical vocabulary.	I know that mechanical systems such as levers can create movement. I can use the correct technical vocabulary.	I know how simple electrical circuits can be used to create functional products. I can use the correct technical vocabulary.
Cooking and Nutrition	I can role-play cooking, practising manipulative skills. With help I can use basic tools.	I can follow safe procedures for food safety and hygiene.	I can use simple hygiene practices and select and use	I know the rules for basic food hygiene and other safe practices. I can prepare and	I know the rules for basic food hygiene and other safe practices, and can explain

			fruit and vegetables, processes and tools.	cook a dish safely and hygienically.	these to others. I can prepare and cook a dish safely and hygienically.