



Curriculum Intent

Subject: Design and Technology

Year: 8

	What?	Why?	National Curriculum Links
Term 1	<ul style="list-style-type: none"> Health & Safety rules explained. Names of tools & equipment and how to maintain and use them Graphical skills with annotation. Inputs, process and outputs. What are components? Re-cap Crucial Knowledge. 	<ul style="list-style-type: none"> Keeping students safe when using tools & equipment Be able to select tools & equipment. Identification of materials used and ways of joining them to complete practicals. Build presentation skills. Understanding systems thinking. Understanding electronic systems. 	<ul style="list-style-type: none"> Selecting tools from a wider range. Increase understanding of health & safety within the workshop. Developing sketching techniques including using the computer.
Term 2	<ul style="list-style-type: none"> Inputs, process and outputs. What are components? Re-cap Crucial Knowledge. 	<ul style="list-style-type: none"> Understanding systems thinking. Understanding electronic systems. 	<ul style="list-style-type: none"> Understanding electronic parts in products and how they work.
Term 3	<ul style="list-style-type: none"> Re-cap Crucial Knowledge. 	<ul style="list-style-type: none"> Check understanding of existing products, materials, health & safety, tools & equipment, components, process thinking and new & emerging technologies. 	<ul style="list-style-type: none"> Understanding electronic parts in products and how they work.