

Art	Powerful knowledge and Application
<ul style="list-style-type: none"><li>• To be able to draw from observation using a range of measuring strategies</li><li>• To be able to draw a range of shapes and forms using the principles of perspective</li><li>• To understand how to use positive and negative space to ensure drawings are accurate and in proportion</li><li>• To understand how to use a range of tones to create depth, contrast and texture</li><li>• To know a range of basic painting techniques and be able to apply them consistently</li><li>• To be able to print using at least one art printing technique</li></ul>	

Design Term 1.5	Powerful knowledge and Application
<ul style="list-style-type: none"><li>• Two groups of plastics – thermoplastics and thermosets</li><li>• methods of manipulating plastics in a workshop</li><li>• Industrial methods of manufacturing plastics and its impact on products and people</li><li>• The impact of designers/people on the environment – the role manufacturing, resource gathering has on the world.</li><li>• Soft soldering electronic components</li><li>• The impact of standard components on designers and consumers</li><li>• To be able to draw in isometric using a grid and free hand to generate design ideas</li><li>• Be able to use CAD to measure and draw parts to fit and solve problems</li><li>• To know about sensors and how they fit into electrical systems linking to programming a microbit.</li></ul>	

Food  
Term 1.5

Powerful knowledge and Application

- Know how to design and create healthy balanced meals that link to the government's recommendations – The Eatwell Guide.
- Know the hazards that can occur within the kitchen environment through hygiene & kitchen safety practices.
- To know a range of different food types and identify the 5 main nutrient groups they link to, making links to the function of the body.
- To be able to analyse and describe foods through sensory analysis.
- Be able to reflect on prior learning and outcomes in order to make judgements to improve practices by evaluation.