

# DT - KS3

Students will study DT & Engineering for half the year and Food Technology for half the year

	Year 7	Year 8	Year 9
Topic - DT	<p><b>Isometric Drawing</b></p> <p>Rationale: To reinforce pupils' understanding of the difference between 2D and 3D design. To make pupils aware there is a range of 3D drawing techniques that can be used to present ideas. To introduce pupils to isometric drawing.</p>	<p><b>Mini Light</b></p> <p>Rationale: To develop pupils' understanding of logos and packaging. To develop pupils' ability to use existing products to inspire design. To develop pupils' ability to design in 2D and use 2D Design. To develop pupils' modelling skills. To develop pupils' ability to evaluate.</p>	<p><b>Clock</b></p> <p>Rationale: To introduce pupils to a number of new materials, tools, equipment and machinery used in the workshop and reinforce their understanding of those used previously. To introduce pupils to different types of wood joint. To develop pupils' ability to evaluate.</p>
Topic - DT	<p><b>Wall Mirror</b></p> <p>Rationale: To introduce pupils to a range of materials, tools, equipment and machinery. To teach pupils how to use existing products to design. To develop pupils' ability to design in 2D. To teach pupils how to evaluate their work and what they have learnt.</p>	<p><b>Night Light</b></p> <p>Rationale: To introduce pupils to the basic principles of electricity - current, voltage etc. To develop pupils' understanding of how developments in electronics can impact everyday life. To introduce pupils to a range of basic components and the soldering process.</p>	<p><b>Mobile Phone Holder</b></p> <p>Rationale: To introduce pupils to a number of new materials, tools, equipment and machinery used in the workshop and reinforce their understanding of those used previously. To develop pupils' ability to evaluate their work and what they have learnt.</p>
Topic - Food Technology	<p><b>Food Technology - Food Safety and Hygiene</b></p> <p>Rationale: To introduce pupils to good safety and hygiene practice in the food rooms. To teach pupils how to weigh ingredients and use different parts of</p>	<p><b>Food Technology - Eatwell Guide</b></p> <p>Rationale: To introduce pupils to the Eatwell Guide and develop safety and hygiene practice in the food rooms. To develop pupils understanding of different ingredients used to prepare</p>	<p><b>Food Technology</b></p> <p>Rationale: To develop pupils' understanding of the Eatwell Guide. Develop safety and hygiene practice in the food rooms. To develop pupils understanding of different ingredients</p>

	the cooker safely to prepare and cook dishes. To develop pupils' ability to work independently and as part of a team.	and cook dishes. To develop pupils' ability to work independently and as part of a team.	used to prepare and cook dishes. To develop pupils' ability to work independently and as part of a team.
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**Assessment**

Four key tasks in each area of DT (DT & Engineering/Food) which assess pupils' ability to design make and evaluate, in addition to their technical understanding of the topics covered.

**How I can support my child?**

Discuss your topics and encourage research into skills and production techniques.