

All projects within Design and Technology in Year 7 and 8 follow the same assessment format and relate directly to KS4

ROTATION EVERY 8/9 WEEKS	Graphics	Food	D&T: Materials	Engineering
<p align="center">Year 7 Introduction</p> <p>Technical drawing and sustainability (Isometric drawing colour and shading) – 2 weeks</p>	<p align="center">Travel board game:</p> <p>Paper and boards, colour, typography, measuring, nets, CAD and CAM, Product analysis and writing a design specification both using ACCESS FM, industrial processes – die cutting and laser cutting, packaging symbols</p>	<p align="center">Basic Skills</p> <p>Food Hygiene & Safety Healthy Eating Learning practical skills in cooking</p>	<p align="center">Desk Tidy Project:</p> <p>Knowledge of materials and processes, building basic making skills using plastic, woods and metals. Skills: Sawing / Drilling / Sanding / Finishing / Quality Control Workshop safety</p>	<p align="center">Pewter Keyring:</p> <p>Knowledge of materials and processes and building basic skills when working practically with metals – casting</p> <p align="center">Workshop safety</p>
<p align="center">Year 8 Introduction</p> <p>Technical drawing and sustainability (1 and 2 point perspective drawing and Orthographic drawing) – 2 weeks</p>	<p align="center">Computer game packaging:</p> <p>Develop understanding and knowledge of the 6 key components of Graphic Design, packaging, nets and developing skills to use Adobe Illustrator confidently.</p>	<p align="center">Core Skills</p> <p>Food Hygiene & Safety Sustainability Food miles Introduction to nutrition Developing practical skills in cooking</p>	<p align="center">Bird Feeder Project:</p> <p>Knowledge of materials and processes, building basic making skills using plastic, woods and metals. Skills: Sawing / Drilling / Sanding / Finishing / Quality Control Workshop safety</p>	<p align="center">Racing car:</p> <p>Develop understanding and knowledge of materials and processes while developing practical skills when using metals</p> <p align="center">Workshop safety</p>