

Design Technology

Throughout KS3 students have one hour a week for Design Technology. Students study Resistant Materials, Graphics and CAD/CAM. They complete projects allowing them the opportunity to work through the design process whilst learning key practical skills.

Year 7

Students learn key skills in all areas through a series of focused practical tasks and design and make activities that include a Wooden Tug Boat, a Plastic Keyring, a foundation in Graphical Drawing Techniques, a Wooden Clock and an introduction to the world of Computer Aided Designing and Manufacture using ICT packages such as 2D Design.

Year 8

Students continue to learn key skills in all areas through a series of focused practical tasks and design and make activities that include a Metal animal lamp and a complete Board Game Project including board, box, dice and counters. The graphics project should help to improve techniques which will assist with their designing skills. It is also a project that introduces students to the world of Computer Aided Designing and Manufacture using ICT packages such as 2D Design.

Year 9

Students complete a series of focused practical tasks and design and make activities that include a Multi Cornered Box, Band Merchandise for a Musical group, a Metal Dog Tag and a reclaimed wooden phone stand. These projects, in addition to allowing students the opportunity to develop their key skills, support their preparation for GCSE.

Design Technology - Oakgrove KS3 Tiers

5	Full in depth analysis of fully relevant products, relevant data collected and analysed, complete list of specifications, all points are fully justified.
	A wide range of different ideas drawn using a wide variety of techniques, fully labelled and explained in depth.
	Marking and measuring is accurate and precise, excellent health and safety shown with a wide range of tools and equipment demonstrating an excellent technique.
	The outcome is fully complete as initially intended to a high standard.
	In depth evaluation completed with evidence; modifications are suggested in comprehensive detail.
4	Good relevant products collected with good analysis of relevant data, list of specifications shown with all points justified.
	A range of different ideas drawn using a variety of techniques, labelled and explained.
	Marking and measuring is careful and mostly accurate, good health and safety shown with a range of tools and equipment demonstrating good technique.
	The outcome is fully complete as initially intended to a good standard.
	Good evaluation completed with evidence; modifications are suggested in detail.
3	Relevant products collected with clear analysis of relevant data, list of specifications shown with most points justified.
	A range of different ideas drawn using different techniques, most are labelled and explained.
	Marking and measuring is satisfactory and mostly accurate, Health and Safety shown with a range of tools and equipment demonstrating technique.
	The outcome is mostly complete as initially intended to a satisfactory standard.
	Evaluated against most specifications; modifications are suggested in adequate detail.
2	Some products identified with minimal analysis from limited data collected. Specifications are basic with some justification.
	A limited range of ideas drawn using a few different techniques. Mainly 2d with some labels/annotations or explanations.
	Marking and measuring is inaccurate, Health and Safety needs occasionally improving, some tools and equipment used.
	The outcome is partially complete and is slightly different from the initial intention and needs improving.
	Limited responses and evaluation against the specification; modifications are suggested in limited detail.
1	No similar products collected or analysed and no data collected, specifications are very basic with no justification.
	One or two ideas drawn using simple drawing techniques used, limited labels or annotations and not explained.

	Marking and measuring is careless, Health and safety is regularly unsatisfactory, basic tools used showing poor technique.
	The outcome is incomplete and is totally different from the initial intention, and needs improving.
	No evidence of testing or evaluation; no modifications suggested.