

Design Technology



KING EDWARD VI
SCHOOL LICHFIELD

Key Stage 3 - Year 7

Graphic Products	Product Design	Fashion and Textiles	Food Preparation and Nutrition
House Night Light	Automata	Ugly Doll	Healthy Lives
<p>In this project you will learn about graphic design and electronics.</p> <p>You design a house based on your chosen theme and create it using key design skills like rendering and one-point perspective.</p> <p>You will make a working circuit with a colour-changing LED that really makes the house light up. You develop your designing skills, and you gain new knowledge, helping you to become a better graphic designer.</p>	<p>This project will require you to design and make a working mechanical toy (automata).</p> <p>You will learn about forms of motion and CAMS. You will make a working mechanical system using your practical skill and engineering knowledge.</p> <p>The most exciting part is designing your own automata and thinking of fun ways to produce a moving and entertaining toy.</p>	<p>Have you ever wanted to design and make your own cuddly toy but don't know how to sew?</p> <p>Well, here's your chance. You are going to get creative whilst learning all the basic sewing and decorative skills from bondaweb to felt applique, including sewing buttons and sequins and even basic machining stitching.</p> <p>You will be given the opportunity to personalise your toy to your chosen theme or could even make it as a perfect present for someone you love.</p>	<p>In this project you will learn the basic skills needed to create a range of dishes such as cous cous, apple crumble and carrot muffins following health and safety guidelines.</p> <p>This project will also widen your knowledge and understanding of seasonal foods, how to eat healthily and how to plan and adapt dishes.</p>

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Key Stage 3 - Year 8

Graphic Products	Product Design	Fashion and Textiles	Food Preparation and Nutrition
Board Game	Trinket Box	Creative Cushion	Eat Well
<p>Looking at existing products is an important part of developing new and improved ideas.</p> <p>We evaluate and research existing board games to find a gap in the market, then design and create your own. Using key CAD skills and using graphics specific equipment you will produce a prototype of your chosen concept.</p> <p>You will never get 'bored' with the board game project!</p>	<p>In this project you will learn how to work with woods and plastics.</p> <p>You will learn how to mark out and cut wood joints, join similar and dissimilar materials; and how to use CAD CAM to personalise your work.</p> <p>This project will also teach you how to draw, just like real designers. Your trinket box will be a perfect gift or something you can take home for yourself.</p>	<p>Let's develop the skills you learnt last year into a larger and more professional product.</p> <p>You are now going to get creative whilst developing pattern pieces and learning about product construction and technical textiles processes such as hems and seams to produce your own personalised Cushion design.</p> <p>You will improve upon the hand and machine skills you learnt in year 7, as well as introduce new techniques such as fabric paints, pens and tie dye if you wish. The options are all yours.</p>	<p>In this project you will learn how to prepare a range of multi-cultural dishes such as curry, chill, pizza and cheesecake adapting them to make them healthier and more nutritious.</p> <p>You will also learn how our nutritional requirements change through life and the effects of a poor diet. This project will also widen your knowledge of food labelling, staple foods eaten around the world and special diets.</p>



Design Technology

Key Stage 3 - Year 9

Graphic Products	Product Design	Fashion and Textiles	Food Preparation and Nutrition
Merging Media	Tick-Tock	Street Shirt	Food Prep and Nutrition
<p>Let's get creative with graphic products. You are going to look at graphic design in a whole new way by selecting 2 media products of your own choice from books, DVDs, album covers, comic books & movie posters.</p> <p>You will develop your graphic designing and presentation skills by combining these 2 products to create a whole new one with merged characters, fonts and themes.</p> <p>Evaluating the existing products to leads us into a wacky world of whole new possibilities.</p>	<p>This is better than Tick-Tok! You will make a clock that you have designed and made yourself.</p> <p>You will work with woods, metals, plastics and premanufactured components.</p> <p>You will develop your drawing skills and use computer aided design software (CAD) to produce a high quality and desirable final outcome.</p>	<p>In this project you will be creating and customising your own t shirt design on the theme of Graffiti and Street Art.</p> <p>You will have a chance to experiment with new textile techniques such as batik, tie dye, fabric manipulation, mono printing, stencilling and freehand embroidery.</p> <p>You will also learn the importance of CAD and CAM in design by creating your own stencils. You will go home with a personalised t shirt that you can wear with pride!</p>	<p>This project will prepare you with the base knowledge for GCSE including understanding the principles of food and nutrition, the legalities around food poisoning, food and the environment and budgeting.</p>