

## Design and Technology Curriculum Overview

### KS3 Design Technology

Students study a range of topics in line with the DT National Curriculum. They learn through a broad and varied coverage of practical skills as well as developing knowledge and understanding of design and make principles. Topics may change in line with current issues and topical events.

Students in DT are encouraged to work creatively; using different tools when learning about processes. They produce innovative products using a range of materials. Students will often be asked to look at the work of other designers and use 3d models as a way of communicating their own design ideas.

KS3 Curriculum 2018 – 2019					
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Funky Frame	Designing for others	Protect and Promote	Functional Products	Bottle Openers	Sportswear/Fashion
Electronics/Wood	Textiles	Graphics	Polymers	Metals	Smart/Modern Materials

### KS4 Design and Technology

Larches High School has recently developed a new Design and Technology department where pupils complete a GCSE qualification or WJEC Entry Pathways qualification.

KS4 Curriculum 2018 – 2019						
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Yr 10	Skills workshops	Storage Unit	Sports Equipment	Passive Amp	Mock GCSE	Mock GCSE
Yr 11	Skills workshops Exam Prep	Individual Project	Individual Project	Individual Project improvement	Completion and improvement of portfolio	GCSE Exams

### GCSE

GCSE students will study the new specification which sets out the knowledge, understanding and skills required to undertake the iterative design process of exploring, creating and evaluating. Students will cover a range of core and specialist technical principles of Design & technology and also develop the ability to design and make products with creativity and originality, using a range of materials and techniques.

Students are required to develop their practical knowledge of timber, paper and boards, metals, polymers, textiles and electronic and mechanical systems. Other materials may also be used and the use of new technologies is also encouraged.

**Exam Assessment 50% GCSE Non Exam Assessment (Design & Make Task) 50% GCSE**

**Alternative WJEC Design and Technology**

For Entry Level pathways students will have the opportunity to study different credit valued units within four focus areas, resistant materials, Textiles, Graphic Products or Systems and Control. They will plan, design, make and evaluate products of their own choosing, developing knowledge and practical skills as they progress using a range of different materials and techniques.

**WJEC completed qualification levels – Award 8-12 credits, Certificate 13-36 credits, Diploma 37+ credits**