

Technology Curriculum 2020-21

In Years 7 and 8, the pupils are on a carousel system and the project they do first will depend on their set.

	Product Design	Project 2	Project 3
Yr 7	Design and make an Animal themed pencil holder using natural softwood		
Yr 8	First rotation – Design and make an Aluminium key fob using hand tools Second Rotation – Introduction to basic Computer Aided Design (CAD) focusing on Tinkercad (3D modelling software) and 3D printing – Computer Aided Manufacture (CAM)		
	Autumn	Spring	Summer
Yr 9	Design and make a Maze Game using Computer Aided Design (CAD) and Laser cutter Computer Aided Manufacture		

	<p>(CAM). Pupils assemble components for maze game.</p> <p>Also</p> <p>Introduction to intermediate Computer Aided Design (CAD) focusing on Tinkercad (3D modelling software) and 3D printing – Computer Aided Manufacture (CAM). Pupils to 3D print a phone stand.</p>		
Yr 9			
Yr 9			

	WJEC EDUQAS 9-1 Design and Technology in the 21st Century		
Yr 10	(Exam Study) Introduction to Core and in-depth subject knowledge for the course studied		
	(Exam Study) Comprehensive Focus on core and in-depth knowledge studying timbers and plastics. Using knowledge and understanding to develop exam skills		
	Students to complete a 30 hour design and make project mirroring skills required for non-examined assessment in year11.		
	EXAM BOARDS		
Yr 11	Continue exam study – focusing on developing exam techniques. Pupils complete 50% of the course NEA – non examined element to design and make a project based on Exam board		

	provided contexts		
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Yr 12	EXAM BOARDS		