

Learning Journey for Design Technology



Year 7	Autumn	Spring	Summer
	1 – Materials Woods 2 – Design briefs - puzzles 3 – Modelling Card 4 – CAD/CAM 5 – Health and Safety - sanders	6 – Practical learning 7 - Evaluations <u>Changeover to food</u> 1 – Kitchen hazards - Knives 2 – Food journeys	3 – Eatwell guide - carbs 4 - Seasonality 5 – Heat transfer methods 6 – Practical learning 7 – Sensory analysis

Year 8	Autumn	Spring	Summer
	1 –Materials Metals 2 –Design briefs – key letters 3 – Modelling wood 4 - CAD/CAM 5 – Health and Safety - drills	6 – Practical learning 7 - Evaluations <u>Changeover to food</u> 1 – Kitchen hazards - Ovens 2 – Food provenance	3 – Eatwell guide - fats 4 – Health trends 5 – Food certification 6 – Practical learning 7 – Sensory analysis

Year 9	Autumn	Spring	Summer
	1 – Materials Polymers 2 – Design briefs – phone holder 3 – Modelling virtual 4 – CAD/CAM 5 – Health and Safety – line bender	6 – Practical learning 7 - Evaluations <u>Changeover to food</u> 1 – Kitchen hazards - Boiling 2 – International cuisine	3 –Eatwell guide – fruit and veg 4 - Bacteria 5 –Macro nutrients 6 – Practical learning 7 – Sensory analysis

Year 10	Autumn	Spring	Summer
	1 -Production techniques 2 - Sustainability 3 - Planned obsolescence 4 – Practical learning 5 - Material properties	1 - Ecological issues 2 - Properties of materials 3 - Modifying properties 4 – Practical learning 5 - Surface treatments	1 – The work of others 2 – Practical learning 3 – Conducting research 4 – Presentation drawings 5 - Modelling

Year 11	Autumn	Spring	Summer
	1 – investigating design possibilities 2 – Design briefs 3 - Specifications 4 – Generating ideas 5 – Developing ideas	1 - Modelling 2 – Practical learning 3 - Prototyping 4 – NEA completion 5 – NEA completion	1 – Revision - Materials 2 – Revision – Environmental issues 3 – Revision – Smart materials 4 – Revision – Maths in DT 5 – Revision – Exam technique

CONCEPTS – CAD/CAM / The design process / Sustainability and recycling / Material properties / Modelling /

Health and Safety / Practical learning / New and Emerging Technologies / Energy, materials, systems and devices /

Materials and their working properties / Specialist technical principles / Designing and making principles