

Year 9 Design Technology Long-Term Plan

Temperance Term

W/C	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	
Торіс	Introduction to Y9 DT	Acrylic Puzzle for Zero Gravity		Y9 Consolidation Project: Puzzle -Bag		Pewter Casting and Metal Clay Investigation		
Core	Introduction to the workshop • Bench expectations • Where resources and equipment are stored • Risk Assessment – cutting acrylic Check sketchbooks: • Iabel, book smart, GCSE/EBI statements and ACCESS FM What it means to be Y9 • Options ready • Discuss GCSE NEA and Exam Combined Design Activity • Fun design activity • Presenting an idea	 Introduction to working with polymers (acrylic) to make a puzzle and to develop a product for different environments (zero gravity) W2 Explore the Header sheet, linking the criteria to GCSE DT standards, and encourage independence with the project: "Work at your pace but finish in 3 lessons" W2 Analyse the brief W2 Investigate acrylic: how it is made, shaping and finishing - make the puzzle W2 Develop the puzzle, previously made, for zero-gravity W2-3 Make the puzzle developments W19 Evaluating and costing the puzzle 		 Textiles project to consolidate Year 8 knowledge W4 Explore the Header sheet, linking the criteria to GCSE DT standards, and encourage independence with the project: "Work at your pace but finish in 3 lessons" W4 Brief, mind-mapping and designing W4 Revisit textile skills/processes used for the swag bag in Y8 W4 Planning making of the drawstring bag W4 - S Making the drawstring bag, including embellishment W5 Evaluating and costing the drawstring bag 		 Focussed practical task (FPT) - Introduction to casting metal to make a pendant and semi-precious clay by sculpturing a charm W6 Header sheet and the brief for a pewter pendant and charm W6 Observing the pewter casting process: COSHH and safety W6 Creating a design for a pendant combining pewter and acrylic W6 Making a mould for a pendant: 4mm thick wood W6-7 Making the pewter pendant: casting, drilling, filing, edge finishing metal W6-7 Modelling a design for a charm: plasticine prototyping, pea-sized clay, sculpture tools W6-7 Polishing the charm – semi-precious clay W6-7 Polishing the charm 		HALF TERM
Challenge	Designing for a real client No homework	Creative and effective storage of the puzzle Homework 1: Polymer keywords 1 Homework 2: Polymer processes keywords 1		By outcome as it is a baseline test Homework: set 2 <i>Design like</i> tasks focussing upon two of the most appropriate, in terms of the class being taught, from the AQA GCSE DT 16 designers		Combining pewter with acrylic Homework 1: Design like: Templier or Tiffany Homework 2: Design like: Mackintosh		
Assessment	Self and peer Assessment (SA)	Teacher assessment	g the Header Sheet ACs using the Header Sheet Cs	Self-assessment using ACs Teacher assessment Sheet A	using the Header		ing the Header Sheet ACs using the Header Sheet ACs	

W/C	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	
Торіс		Advanced Drawing Tech	niques	Rapi	d Prototyping	Respond to Feedback and End of Term Test	
Core	 W8 Warming up to Isometric W8 Revisit colour hatching, to W8 Enhancing drawings: Line drawing) W8 Introduction to freehand i W9 Developing freehand isom W1 Introduction to one-point 	Drawing: revisit using the isometric one and shading (apply to the obser e Weightings, textures of metal, pla: sometric projection: drawing withour to through observational drawin t perspective: name or skyscraper ne-point perspective: name or skyscraper t perspective: cubes	stic and fabrics apply to the observational out a grid and judging size (house and boat) og (workshop tools)	 FPT - Introduction to 3d printing W11 Using DesignSpark Mechanical: creating simple shapes with holes and raised portions W11 How to use the 3d Printer: set up, upload, printing and safety W11-12 Design and print a product for keys, coins or mobiles 		 Book Smart Read Teacher feedback Improve work Respond to teacher feedback (purple pen) End of term keyword test 	CHRISTMAS
Challenge	Extended Homework: Designing	ties will be set as emerging, se g a home of the future and presentir kills taught in the Advanced Drawing	ng it as a range of pictorial views which uses		ore rapid prototyping techniques yping tools and processes keywords 1	Reassessed	
Assessment		-assessment using the Head er assessment using the Hea				Teacher	



Year 9 Design Technology Long-Term Plan

Justice Term

W/C	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	
Торіс		Respond to Feedback and End of Term Test					
Core	Re W14 Explore the Header shee W14 Analyse the brief and inv W15 Compare CAM to Hand C W15 Mind-map exploration o W16 Design and Model tic-tac W16-17 Making the tic-tac-toe W18 Evaluating and costing	 Book Smart Read Teacher feedback Improve work Respond to teacher feedback (purple pen) End of term keyword test 	HALF TERM				
Challenge		Reassessed					
Assessment		Teacher					

W/C	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	
Торіс		Respond to Feedback and End of Term Test					
Core	M • W20 Introduction to the project • W20 Explore the Header shee • W20 Analyse the brief • W20-21 Mind-map and design • W21 Investigate felt: how it is • W21 Mind-map and design the • W22 Pattern making and cuttir • W22 Embellishing soft toys: s • W22-23 Make the felt bacteria • W24 Evaluating and costing th	 Book Smart Read Teacher feedback Improve work Respond to teacher feedback (purple pen) End of term keyword test 	EASTER				
Challenge		Reassessed					
Assessment		Teacher					



Year 9 Design Technology Long-Term Plan

Courage Term

W/C	Week 26	Week 27	Week 28	Week 29	Week 30	Week 31	
Торіс		Respond to Feedback and End of Term Test					
Core	FPT to W26 Making the dowel joint b W26-27 Production techniques W28 Revisit 2d Design and the W28 Semi-permanent fixture W29 Wood finishes: oil, varni W29 Introduction to electronic W29 Assembling and testing W30 Evaluation and Costing	 Book Smart Read Teacher feedback Improve work Respond to teacher feedback (purple pen) End of term keyword test 	HALF TERM				
Challenge		Reassessed					
Assessment		Teacher					

W/C	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	
Торіс		Book Smart					
Core	Independent study – focu manufacturing fron DT Transition Project – S	Ending the year	SUMMER				
Challenge	GCSE Optio	n/a					
Assessment		n/a					