

	Year 10 Food Preparation and Nutrition - AQA						
	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6	
Knowledge	Topic: Nutrition, Diet and Health	Topic: Nutrition, Diet and Health Food Science	Topic: Food Science	Topic: • Food Safety	Topic: Food Choices	Topic: Food Provenance	
Skills/ application of knowledge	 Advanced knife skills Protein cookery Use of blender and food processor Cooking methods experiment 	 Advanced Breads Shortcrust and puff pastry Pastry experiments 	 Meringues Foam experiment (mini NEA1) Marinades Emulsions Sponge 	 Flatbreads Pasta Homemade cheese Chicken portioning Choosing and adapting recipes 	 International cuisine research and mini NEA2 Layered dishes – cottage pie, fruit tarts 	 Gelatine set dessert Using seasonal foods – jam Time planning 	
Links to prior learning	Y7/8/9 practicals Y9 Protein foods Y9 Macronutrients	Y8 Breadmaking Y9 Empanadas	Y9 Sugar in Cakes experiment	Y7 H&S Y8 4Cs Y9 Food poisoning	Y9 Religion and food Y9 Global recipes	Y7 Egg provenance Y8 Staple Foods Y9 Dairy provenance	
assessment	Practical - Lasagne	End of unit test – Nutrition Practical – Bakewell Tart	End of unit test – Food Science Mini NEA1 - foams	Practical – own choice chicken dish	End of unit test – Food Safety Mini NEA2 – International food	Written exam paper 2 hr practical– plan, prepare and present 2 dishes	

	Year 11 Food Preparation and Nutrition - AQA								
	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6			
Knowledge	Topic: • NEA1 (Food Science investigation)	Topic: Complete NEA1 Start NEA2 (Food Preparation task)	Topic: • NEA2	Topic: NEA2	Topic: Revision	Topic: Revsion			
Skills/ application of knowledge	High level skills boostPractise NEA1	 NEA2 skills – research/ time planning/ evaluating 	NEA2	 NEA2 	 Exam technique 	 Exam techniqu e 			
Links to prior learning	Y10 knife skills, pastry, sauces Y10 Food science investigations	Y10 scheme of work	Y10 Scheme of work	Y10 Scheme of work	Y10 Scheme of work	Y10 Scheme of work			
assessment	Ongoing NEA1	Ongoing NEA1/ NEA2 Mock written paper	Ongoing NEA2	Ongoing NEA2 Mock written paper	Practice exam questions	GCSE exam			



			ar 10 Design and Techn			
	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Knowledge	Topic: Material categories and properties Paper & Boards (Mould & Deckle) Natural and manufactured timbers Kerfing Ferrous & Non ferrous metals Metal dog tag Thermoforming & Thermosetting polymers Plastic shaping Natural & synthetic fibres Natural & synthetic fibres Natural & synthetic fibres – Weaving Timbers Sources, origins & properties Social & ecological issues Material costs Production Reinforcing & Stiffening Wastage & Addition Chiselling block task	Topic: Timbers Joining Methods Wood processes Wood joints Developments in new materials. Composite Materials Technical Textiles Smart Materials Modern Material Salad server Analyse & Research Drawing techniques Template & prototype Forming, cutting & drilling salad server	Topic: Nut cracker Analyse & Research Design and develop Manufacture prototype Test and evaluate Mini GCSE project Set up TEAMS Create a moodboard Analyse project Analyse boxes Design brief Specification 2 point perspective Rendering Development Prototype	Topic: Mini GCSE project Manufacture of box Applying a finish on the box Testing & Evaluation Online learning NearPOD - Critical evaluation of new and emerging technologies: sustainability and the environment NearPOD - Energy generation and storage: fossil fuels NearPOD - Energy generation and storage: renewable energy sources NearPOD - Energy generation and storage: nuclear power NearPOD - Energy generation and storage: nuclear power NearPOD - Energy generation and storage: nuclear power NearPOD - Energy generation and storage: nuclear power NearPOD - The impact of new and emerging technologies: industry, enterprise, people, culture and society NearPOD - The impact of new and emerging technologies: product life cycle	 Iopic: NearPOD - Electronic systems and programmable components – feedback and control devices NearPOD - Electronic systems and programmable components – input and output devices NearPOD - Electronic systems and programmable components – processes and microcontrollers NearPOD - Mechanical components and devices – Rotary systems NearPOD - Mechanical components and devices – types of movement NearPOD - Mechanical components and devices – types of movement NearPOD - Mechanical components and devices – types of movement Electronics task CAD task Mechanism task 	Iopic: Exam board Eduqas release the contextual challenges Investigate the contextual challenges to identify a problem and a creative solution GCSE Coursework – Generate sketches from the analysis GCSE Coursework – Generate design briefs from the analysis GCSE Coursework – Generate a specification from the analysis GCSE Coursework – Generate a Generate initial ideas



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Skills/ application of knowledge	 Workshop tools and equipment. Kerfing with manufactured wood. Analysing existing products. Inclusive Designing. Cutting, drilling and bending plastics. Workshop skills using tools and equipment. Shaping, smoothing and polishing metal (dog tags). Marking and measuring out. Identifying materials. Recycling paper. Weaving Finishing techniques. 	 Workshop tools and equipment. Analysing existing products. Chiselling and making wood joints. Workshop skills using tools and equipment. Marking and measuring out. Using permanent and non-permanent joining methods. Identifying materials. 	 Using Ergonomics and Anthropometric data. Workshop tools and equipment. Designing from Research. Analysing existing products. Inclusive Designing. Cutting, drilling and bending plastics. Workshop skills using tools and equipment. Marking and measuring out. Identifying materials. 1 point and 2 point perspection drawing techniques. Shading and rendering techniques. Finishing techniques. 	 NearPOD - The impact of new and emerging technologies: production techniques Core - Breadth of Understanding: design and technology and our world smart materials electronic systems and programmable components mechanical components and devices materials 	 Core - Breadth of Understanding: design and technology and our world smart materials electronic systems and programmable components mechanical components and devices materials 	•
Links to prior learning	KS3 program of study – the national curriculum for Design and Technology	KS3 program of study – the national curriculum for Design and Technology	KS3 program of study – the national curriculum for Design and Technology	KS3 program of study – the national curriculum for Design and Technology	KS3 program of study – the national curriculum for Design and Technology	KS3 program of study – the national curriculum for Design and Technology
assessment	DC1a written theory exam	DC1b written theory exam	DC1c written theory exam	Nearpod online assessments on completion of tasks.	DC2 mock exam paper	NEA



		Year 11 Design an	d Technology - Eduqas			
	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Knowledge	Topic: Component 2: Design and make task Non-exam assessment approximately 35 hours 50% of qualification	Topic: Component 2: Design and make task Non-exam assessment approximately 35 hours 50% of qualification	Topic: Component 2: Design and make task Non-exam assessment approximately 35 hours 50% of qualification	Iopic: Component 1: Design and Technology in the 21st Century Written examination preparation	Topic: Revision	<u>Topic</u> : ■
Skills/ application of knowledge	 Developing workshop skills when using tools and equipment. Marking and measuring out using measuring equipment. Learning CAD skills using 2D design. Develop design thinking skills to generate ideas. Applying appropriate finishes to materials. Develop design techniques to communicate design ideas. design and technology and our 	 Developing workshop skills when using tools and equipment. Marking and measuring out using measuring equipment. Learning CAD skills using 2D design. Develop design thinking skills to generate ideas. Applying appropriate finishes to materials. Develop design techniques to communicate design ideas. design and technology and our 	 Developing workshop skills when using tools and equipment. Marking and measuring out using measuring equipment. Learning CAD skills using 2D design. Develop design thinking skills to generate ideas. Applying appropriate finishes to materials. Develop design techniques to communicate design ideas. 	 technical principles designing and making principles, along with their ability to analyse and evaluate design decisions and wider issues in design and technology. 	•	•
Links to prior learning	 design and technology and our world smart materials electronic systems and programmable components mechanical components and devices materials Natural & manufactured timbers 	 design and rechnology and our world smart materials electronic systems and programmable components mechanical components and devices materials Natural & manufactured timbers 	 design and technology and our world smart materials electronic systems and programmable components mechanical components and devices materials Natural & manufactured timbers 	 design and technology and our world smart materials electronic systems and programmable components mechanical components and devices materials Natural & manufactured timbers 		
assessment	AO1 Identify, investigate and outline design possibilities to address needs and wants 10% AO2 Design and make prototypes that are fit for purpose 30%	AOI Identify, investigate and outline design possibilities to address needs and wants 10% AO2 Design and make prototypes that are fit for purpose 30%	AOI Identify, investigate and outline design possibilities to address needs and wants 10% AO2 Design and make prototypes that are fit for purpose 30% AO3 Analyse and evaluate: design decision and outcomes including for prototypes made by themselves and others wider issues in design and technology 10% Mock exam 50%	AO1 Identify, investigate and outline design possibilities to address needs and wants 10% AO2 Design and make prototypes that are fit for purpose 30% AO3 Analyse and evaluate: design decision and outcomes including for prototypes made by themselves and others wider issues in design and technology 10% Mock exam 50%		