Key: Recap/Retrieval

Rigour (Vocabulary/Disciplinary knowledge/Reading) Gatsby Benchmarks

Cultural Capital/SMSC

Numeracy

Cross Curricular

Week/ Lesson	Term	Торіс	Knowledge	Skills Complex activity: Writing genre:
1	Autumn T1 Project 1 *SUMMATIVE ASSESSMENT <i>dates TBC</i>	Recap health and safety	 Understand and be able to explain why health and safety is important in the kitchen. Identify hazards and risks in a kitchen environment. Evaluate the consequences of poor health and safety and suggest ways to prevent accidents. 	
2		Sugar	 Identify the Reference Intake (RI) of sugar per day and sources of it. Be able to define 'added sugars' and evaluate the negative health implications of eating too much sugar. 	Recall sugar information from year seven

		Be able to suggest ways to lower added sugars in the diet through food swaps.
3	Brownie Practical	 Follow health and safety procedures at all times, demonstrating respect for self and others. Measuring and weighing ingredients accurately. Using skills and techniques effectively to produce a high quality outcome. Follow health and safety procedures at all times, demonstrating respect for self and others. Measuring and weighing ingredients accurately. Using skills and techniques effectively to produce a high quality outcome. Keasuring and weighing ingredients accurately. Using skills and techniques effectively to produce a high quality outcome.
4	Gluten	 Determine the relative differences in gluten content between different types of flour. Establish the impact this has on the structure of baked products. Use scientific experimentation to support conclusions
5	Garlic bread practical	 Follow health and safety procedures at all times, demonstrating respect for self and others. Measuring and weighing ingredients accurately. Using skills and techniques effectively to produce a high quality outcome.

6		Worlds food	 Explain the factors that affect cuisine linked to land, economy, lifestyle, religion and culture. Identify staple foods from around the world accurately. Suggest possible dishes that could be made from these ingredients/commodities. Explain the factors that affect cuisine linked to land, economy, lifestyle, religion and culture. Use of key terms to create accurate sentences summarising the topic Mathematics -Time Management
7		Quorn	 Explain the nutritive value of eating Quorn. Students can explain the advantages and disadvantages. Identify quality check points and describe how to store and prepare Quorn to prevent food illness. Explain the nutritive value of being a vegetarian and the impact this could have on the globe.
8	Autumn T2	Veggie burgers	 Follow health and safety procedures at all times, demonstrating respect for self and others. Measuring and weighing ingredients accurately. Using skills and techniques effectively to produce a high quality outcome. Literacy Reading and following methods Literacy Reading and following methods Learners will use verbal communication to ma educated points and form opinions Literacy Reading and following methods Learners will use verbal communication to ma educated points and form opinions Sensory analysis using adjectives. Mathematics Time management, using the clock Working in grams, ml, kg (conversion to oz. more able) Weighing and measuring Werking with temperature Working with temperature

				-Proportion of ingredients in recipes -Portioning dishes -Calculating dish cost and profit (extension) Practical Making - (Disciplinary Knowledge)
9		Food Safety	 To explain the importance of good food safety practices when getting ready to store, prepare and cook food. To modify recipes and cook dishes that promote current healthy eating messages 	
10		Food Safety	 To prepare, cook and serve a spaghetti Bolognese or chilli. Contains protein, carbohydrate and at least 2 portions of your 5 a day. To use a broader range of preparation techniques and methods when cooking. To evaluate spaghetti or chilli use different sensory testing techniques. 	Reading and following methods -Learners will use verbal communication to make educated points and form opinions -Use of key words and technical vocabulary -Sensory analysis using adjectives. Mathematics Time management, using the clock -Working in grams, ml, kg (conversion to oz. more able) -Weighing and measuring -Working with temperature -Proportion of ingredients in recipes -Portioning dishes -Calculating dish cost and profit (extension)

11	Food choice	 To identify the different groups of the population who have special dietary requirements (including food allergies, food intolerance, and religious cultural needs). To identify vegetarian alternatives to the meat and fish using vegetable sources, Quorn, soya or tofu as a meat substitute To identify the different groups of the population who have special dietary requirements (including food allergies, food intolerance, and religious cultural needs).
12	Food Provenance	 To know and understand where key ingredients come from and how they are grown, reared or caught. To identify and explain some of the environmental issues associated with foods. To know and understand where key ingredients to prepare and cook a recipe such as cottage pie, Cumberland pie or vegetarian pie. To demonstrate the skills of vegetable preparation and cooking, making a meat/ alternative base, combining, layering and finishing of ingredients using the oven.
13	Food Science	 To identify the functions and uses of the main ingredients used in cake making To plan and prepare a fruit based tray bake that demonstrates aeration and the science of how cakes rise. To explain the science of aeration and what makes cakes rise To identify ways of adapting cake recipes to reduce the fat and sugar To identify the functions and uses of the main ingredients used in cake making To plan and prepare a fruit based tray bake that demonstrates aeration and the science of how cakes rise. To demonstrate accuracy and precision when weighing out ingredients to ensure a high quality outcome

14		Presentation Skills	 and increase their fibre content. Understand how to style a plate to mirror industry standards. Explain the importance of using sensory effects to style food. 	-Learners read and scribe -Verbal communication to make educated points and form opinions. Mathematics -time management.
			• Create a range of plate designs using industry techniques that are innovative and creative.	
15		ASSESSMENT Lesson		
16	Spring T1 Project 2	Research and Product Analysis Product that include Mechanisms.	 Methods of research to identify a clients' needs and wants. Understand Form, Fit and Function 	Be able to record and show understanding of a client's demands.
17		Movement and Motion	 Understand the 4 types of motion Understand the 3 types of levers Equilibrium/Lever Calculations 	Be able to re-create these types of motions using modelling materials Accurately and safely with a degree of independence. Complex activity: Bending moments (Mathematics/Science Cross-curricular)
18		Rotary Systems and CAMS	 Understanding how a rotary system works 	

			 Identifying different types of CAM and their applications Recap Movement and motion(Formative Test) 	Complex activity: Bending moments (Mathematics/Science Cross-curricular)
19		Systems and Control	 Understand about different types of systems (open loop. Closed loop and feedback/decisions) Understand simple circuits design. 	• Describe inputs and output devices and their applications
20		Electronic Devices	 Describe the difference between analogue and digital signals Understanding the applications of microchips and integrated circuits Recap rotary systems and Cams 	Complex activity: Circuit Design (Switching) (Science Cross-curricular)
21	Spring T2	Writing a Specification Design Ideas 1	 Produce a client focussed specification. Apply research and specification to produce a range of creative design ideas 	
22		SUMMATIVE ASSESSMENT		

23		Design Ideas 2	 Develop design ideas with annotation and discussion. 	Complex activity: Presentation of Design Ideas (Literacy/Oracy Focus)
24		Computer Aided Design	 Development of CAD skills Recap and Reteach CAD 	Be able to use google sketch up to model an idea. recall google sketch up skills.
25		Model making	Which materials are appropriate for modelling the idea selected.	Complex activity: Soldering Technique (Disciplinary knowledge) recall model making principles.
26		Re Design from initial model	Develop a range of methods to show understanding of quality control when modelling.	Be able to sketch appropriately to show the development of an idea. recall perspective drawings.
27	Summer T1	Model making	• How to develop a model that satisfies the brief and is a fully working idea.	Be able to use appropriate skills, materials and techniques to produce a final working model. Career links to model making (car and set design)
28		Final working model	Quality assurance	Identify the methods used to quality assure a project.
29		Manufacturing specification	• The importance of a detailed manufacturing specification and what it is used for.	Writing genre:' manufacturing specification.' (Literacy) Manufacturing links
30		Practical Making	Use of tools safely	
31		Practical Making	Use of tools safely and accurately	Be able to explain how to use the selected tools safely and accurately
32		Practical Making	• The importance of using the correct tool for the correct job.	Be able to select the appropriate tools and use them with a degree of independence.
33	Summer T2	Practical Making	The importance of accuracy and which tools	Develop independent decision-making and problem solving through iterative design.

		to use to check for quality control.	
34	Practical Making	How to develop an idea using research and the client's needs.	Develop a quality product using on-going evaluation
35	Practical Making	How to record progress in a methodical way to support the practical piece.	Produce well-ordered evidence of making through a diary or photos.
36	Practical Making	How to ensure practical work is of the highest possible standard.	Be able to use a variety of quality assurance methods to indicate a high quality outcome.
37	Evaluation	• Evaluate the outcome against the design specification showing clear strengths and areas to develop.	
38	SUMMATIVE ASSESSMENT		
39	Technical Skills Development	Preparation for Year 9	
40	Technical Skills Development	• Preparation for year 9	