



Subject Intent Statement

In food we aim to improve students' wellbeing by allowing them to develop an appreciation of nutrition and healthy eating, a deep and broad understanding of food, as well as instilling a love of cooking. Learning how to cook healthy, tasty and economical meals is a crucial life skill everyone should be taught. Students will develop a wider understanding of environmental impacts including those relating to food production and an understanding of sustainable choices such as seasonal, local foods, the importance of food provenance, as well as the impact of food waste. Through the analysis of past and present technology we aim to develop an enriched understanding of positive design on the world that we live in. We have high expectations of student's intellectual, creative and practical abilities during problem solving activities, whilst developing the personal skills they will need when entering employment, in order to become a successful and positive member of the local community.

Key Concepts

Key Language/Terminology

Key Stage 3		Key Stage 4		Key Stage 3		Key Stage 4	
<ul style="list-style-type: none"> Food safety Food nutrition and health Food science Food provenance Food choice Food preparation skills Food preparation and cooking techniques 	<ul style="list-style-type: none"> Research Investigation Demonstrating and trialling technical skills Planning Analysis Evaluating 	Visible Function Energy Hypothesis Factors	Justify Undertake Research Portion Hypothesis Factors	Adult Finance Impact			

Year 7

Curriculum Coherence

In Year 7 we focus on healthy eating and The Eatwell guide. Where compatible we start to introduce some food science with some simple experiments that link with the topic area being covered.

Medium Term Plan Title/Topic	Themes/Concepts	Key Core Knowledge Foci	Application/Skills Foci	Ambitious Tier 2/3 Vocabulary	Assessment	Independent Learning
Health and Safety	Food safety <ul style="list-style-type: none"> Personal hygiene Kitchen Safety 	Washing hands Key temperatures Bacterial growth Food storage Using a cooker safely	Washing hands before practical tasks Beans on toast			Using a cooker safely worksheet.
Equipment and knife skills	Food safety <ul style="list-style-type: none"> Knife skills Food spoilage 	Bridge and claw Walking with a knife Enzymic browning Bridge and claw How to prevent food spoilage	Knowing which foods need putting in the fridge Fruit salad	Hypothesis		Information sheet on how to handle knives safely. Organising and weighing out ingredients for practical lesson
Fruit and vegetables	Food, nutrition and health <ul style="list-style-type: none"> Carbohydrates Vegetable 	Functions and sources Complex and simple Nutritional value and uses	Pasta salad			Research the ways fruit and vegetables can be used in meals Organising and weighing out ingredients for practical lesson

Carbohydrates	Food, nutrition and health <ul style="list-style-type: none"> Sugar Fibre 	Mono, di and polysaccharides Health issues from too much sugar Importance of fibre in the diet	Fruit crumble			Fast Food Babies – video and questions Organising and weighing out ingredients for practical lesson
Fats and oils	Food, nutrition and health <ul style="list-style-type: none"> Fats Oils 	Functions and sourced Structure and uses in food Health implications of too much fat.	Butter and mayonnaise	Visible		Research Obesity and CHD.
Protein and dairy	Food, nutrition and health <ul style="list-style-type: none"> Protein Vegetarians 	Functions and sources (plant and animal) HBV and LBV Protein complementation Reasons to become a vegetarian	Fish/chicken goujons			Interview a vegetarian/vegan to find out the reasons that they choose vegetarianism Organising and weighing out ingredients for practical lesson

Year 8

Curriculum Coherence

In Year 8 we start to introduce more scientific knowledge to the curriculum. We start to ask the students to consider why changes happen to food and how we can use the functional properties of nutrients to change the organoleptic qualities of food. We also start to look at food from around the world.

Medium Term Plan Title/Topic	Themes/Concepts	Key Core Knowledge Foci	Application/Skills Foci	Ambitious Tier 2/3 Vocabulary	Assessment	Independent Learning
Micronutrients	Food, nutrition and health <ul style="list-style-type: none"> Vitamins Minerals 	Functions and sources Deficiencies and excess	Fruity muffins	Function		Organising and weighing out ingredients for practical lesson
Flour, gluten and yeast	Food science <ul style="list-style-type: none"> Cereals Structure Raising agents 	Types of cereal Types of flour Uses of flour Function of gluten How yeast works	Garlic bread			Research the history of scones.
Gluten	Food science <ul style="list-style-type: none"> Structure of baked products 	Function of gluten in more detail	Making scones	Function		Research why do some people choose/need a gluten free diet. Organising and weighing out ingredients for practical lesson
World foods	Food choice	What factors affect the cuisine of different countries Land, weather, religion	Bolognese sauce (reduction method)	Factors		Organising and weighing out ingredients for practical lesson
Eggs	Food, nutrition and health Food science <ul style="list-style-type: none"> Coagulation 	Nutritional value of eggs Function of eggs in cooking	Cloud eggs			Menu based on eggs or make an omelette for a family member.
Cooking methods	Food science <ul style="list-style-type: none"> Heat transfer 	Conduction Convection Radiation	Making Spanish Omelette	Energy		Organising and weighing out ingredients for practical lesson

Year 9		Curriculum Coherence				
		In Year 9 we start to widen the students understanding of food to consider the factors that affect why we choose the food we do. We cover religious aspects and geographical knowledge of environmental impact and sustainability.				
Medium Term Plan Title/Topic	Themes/Concepts	Key Core Knowledge Foci	Application/Skills Foci	Ambitious Tier 2/3 Vocabulary	Assessment	Independent Learning
Teenage diet	Food, nutrition and health Food choice	What influences choice of food Nutritional requirements Nutritional deficiencies	Quesadillas			Organising and weighing out ingredients for practical lesson
Reducing food waste	Food Provenance	What is food waste Environmental impacts Methods of reducing food waste	Carrot and apple cupcakes			Organising and weighing out ingredients for practical lesson
Food labelling	Food choice	Mandatory information Why have it	Chilli con carne (gelatinisation)			Organising and weighing out ingredients for practical lesson
Asian cuisine	Food choice	Research into the Chinese culture and cuisine	Stir fry			Organising and weighing out ingredients for practical lesson
Functions of ingredients	Food science	Functions of ingredients used in biscuits	Group investigation	Hypothesis		Organising and weighing out ingredients for practical lesson
Traybake	Food choice	Design and make a traybake suitable for sale in the supermarket	Making a traybake			Organising and weighing out ingredients for practical lesson
Year 10		Curriculum Coherence				
		Year 10 is spent concentrating on the delivery of the exam element of the course. It picks up and revisits all areas of Years 7, 8 and 9 and looks at the key themes and concepts in more detail. Regular end of topic assessments ensure that students practice different styles of exam questions throughout.				
Medium Term Plan Title/Topic	Themes/Concepts	Key Core Knowledge Foci	Application/Skills Foci	Ambitious Tier 2/3 Vocabulary	Assessment	Independent Learning
HT1a: Principals of Food Safety	Food safety	<ul style="list-style-type: none"> personal hygiene buying, storing, preparing and cooking food key temperatures bacterial contamination 	Omelette Challenge Knife skills Burger - using a food probe (H&S)		End of topic assessment – Food safety and hygiene	Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook
HT1b: Macronutrients: Protein	Food, nutrition and health Food science	<ul style="list-style-type: none"> function sources (HBV/LBV) deficiency/excess complementation alternatives sensory testing 	<ul style="list-style-type: none"> denaturation coagulation gluten formation foam formation 	Vegetable Curry Vegetarian alternatives (taste testing tofu,soya,TVP) Bread Rolls Cloud eggs	Function Expand	End of topic assessment – Protein Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook
HT2a: Macronutrients: Carbohydrates	Food, nutrition and health Food science	<ul style="list-style-type: none"> function sources deficiency/excess DRV's 	<ul style="list-style-type: none"> gelatinisation caramelisation dextrinization 	Courgette, onion and cheese muffins -high in carbohydrates Macaroni Cheese - gelatinisation	Function Energy	End of topic assessment – Carbohydrates Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions

HT2b: Macronutrients: Fats	Food, nutrition and health Food science	<ul style="list-style-type: none"> • function • sources • deficiency/excess • DRV's 	<ul style="list-style-type: none"> • shortening • plasticity • emulsification • aeration 	Pastry experiment – outcomes when using different types of fats Chocolate Log – whisking aeration	Function Energy Visible	End of topic assessment – Fats	Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook
HT3a: Micronutrients: Vitamins and minerals	Food, nutrition and health	<ul style="list-style-type: none"> • function • sources • deficiency/excess • DRV's • Protecting cells from damage • Function • How lost from body • How much the body needs • When is extra required 	Creating a PowerPoint Presentation on the different vitamins and minerals	Function	End of topic assessment – Micronutrients	Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook	
HT3b: Cooking methods and heat transfer	Food science Food science	<ul style="list-style-type: none"> • Conduction • Convection • Radiation • Why is food cooked • Water (boil, steam, simmer, poach, blanch, braise) • Fat (shallow and stir frying) • Dry (bake, roast, grill, dry fry) 	Stuffed Peppers Pancakes Raising Agents Experiment Sausage rolls/Cheese twists (puff pastry)		End of topic assessment – Cooking methods	Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook	
HT4a: Changing nutritional requirements	Food, nutrition and health Food choice Food, nutrition and health	<ul style="list-style-type: none"> • Children • Teenagers • Adults • Elderly • Obesity • BMI • BP • CVD/CHD • Bone (rickets, osteoporosis) • Dental health • Iron deficiency - anaemia • Type 2 diabetes. Using Explore Food to calculate current nutritional information and data calculate energy and nutritional value.	Using nutritional analysis programme on FaFoL Jointing a chicken Jambalaya Lemon, garlic and thyme chicken Cheesecake	Portion Adult Finance Impact Media Factors	End of topic assessment – Changing nutritional requirements (long answer questions)	Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook	
HT5: Food processing	Food science Food science Food choice	Milk → cheese Wheat → flour Yeast (bread, beer) Bacteria (yoghurt, cheese) Micro-organisms: <ul style="list-style-type: none"> • enzymes • uses in food production Enzymic browning/oxidation Nutritional needs Food labelling Religion and food	Taste testing milk (primary) Making cheese (secondary) Making pasta (secondary) and pasta sauce	Process	End of topic assessment – Food processing	Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook	

HT6: Environmental impact and sustainability of food		Sensory analysis Raising agents Seasonal foods Food sources Technological developments Food packaging and waste	Taste testing crisps Profiteroles		End of topic test - Environmental impact and sustainability of food	Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook
--	--	--	--------------------------------------	--	---	---

Year 11	Curriculum Coherence					
	In Year 11 students will complete NEA1 in HT1 with NEA2 being completed throughout the rest of the year. NEA1 task is published on 1 st September, NEA2 task is published on 1 st November. Regular revision lessons will be set aside to prepare for the final exam in June with HT5 being full devoted to revision activities and exam practice.					

Medium Term Plan Title/Topic	Themes/Concepts	Key Core Knowledge Foci	Application/Skills Foci	Ambitious Tier 2/3 Vocabulary	Assessment	Independent Learning
HT1: NEA1: Food investigation (30 marks) Students' understanding of the working characteristics, functional and chemical properties of ingredients	Research Investigation Analysis and evaluation	<ul style="list-style-type: none"> analyse the task, explaining the background research carry out secondary research, using different sources, focusing on the working characteristics, functional and chemical properties of the ingredients analyse the research and use the findings to plan the practical investigation establish a hypothesis/predict an outcome as a result of the research findings. <ul style="list-style-type: none"> Investigate and evaluate how ingredients work and why through practical experimentation A range of appropriate testing methods should be identified and carried out to record the results e.g. annotated photographs, labelled diagrams, tables, charts, sensory testing methods, viscosity tests <ul style="list-style-type: none"> analyse and interpret the results of the investigative work evaluate the hypothesis/prediction with justification explain how the results/findings can be applied in practical food preparation and cooking. 	Practical investigations	Research Undertake Justify Hypothesis	Written report (1,500–2,000 words) including photographic evidence of the practical investigation.	Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook
HT2: NEA2	Researching the task	<ul style="list-style-type: none"> analyse the task explaining the research requirements carry out relevant research and analysis identify a range of dishes select and justify a range of technical skills to be used in the making of different dishes. 		Research Undertake	Production of a portfolio. The portfolio is not to exceed 20 sides of A4 or A3 equivalent. Students will be taken off timetable to prepare, cook and present a final menu of three dishes within a single period of no more than 3 hours	Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook
HT3: NEA2	Demonstrating technical skills	<ul style="list-style-type: none"> demonstrate technical skills select and use equipment for different technical skills demonstrate food safety principles identify the technical skills within each dish select three dishes to showcase technical skills 	Making trial dishes	Justify		Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook Practicing dishes at home

HT4: NEA2	Planning for the final menu Making the final dishes Analyse and evaluate	<ul style="list-style-type: none"> • justify the appropriateness of the final • produce a detailed time plan • demonstrate food safety principles • demonstrate appropriate use of the three hours to dovetail tasks to prepare, cook and present the final three dishes • record and analyse the sensory properties • carry out nutritional analysis • analyse the cost 	3 hour practical exam	Justify		Organising and weighing out ingredients Use revision book to check knowledge and practice series of exam questions Flip learning using digital workbook Practicing dishes at home
HT5: Exam Revision						