## GCSE Food Preparation & Nutrition Revision Plan (AQA) 2025

Food, nutrition and health		Illuminate textbook	CGP revision guide	Online links
<ul> <li>Macronutrients - Protein</li> <li>low and high biological value proteins</li> <li>protein complementation</li> <li>protein alternatives e.g. textured vegetable protein (TVP), soya, mycoprotein and tofu.</li> <li>Macronutrients - Fats</li> </ul>	<ul> <li>the functions</li> <li>main sources</li> <li>effects of deficiency and excess</li> <li>related dietary reference values.</li> </ul> • the functions	3-9		Protein - Macronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize  Macronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) - Video - BBC Bitesize  Macronutrients – CCEA test questions - GCSE Home Economics: Food and Nutrition (CCEA) - BBC Bitesize  Fat - Macronutrients – CCEA - GCSE Home Economics: Food and
<ul> <li>saturated fats</li> <li>unsaturated fats (monounsaturated and polyunsaturated).</li> </ul>	<ul> <li>main sources</li> <li>effects of deficiency and excess</li> <li>related dietary reference values.</li> </ul>			Nutrition (CCEA) Revision - BBC Bitesize  Macronutrients - CCEA - GCSE Home Economics: Food and  Nutrition (CCEA) - Video - BBC Bitesize  Macronutrients - CCEA test questions - GCSE Home Economics:  Food and Nutrition (CCEA) - BBC Bitesize
Macronutrients – Carbohydrates  • starch (polysaccharides)  • sugars (monosaccharides/disaccharides)  • dietary fibre.	<ul> <li>the functions</li> <li>main sources</li> <li>effects of deficiency and excess</li> <li>related dietary reference values.</li> </ul>	16-21		Carbohydrate - Macronutrients - CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize Fibre - Water and fibre - CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize The science behind dietary fibre   Biology - Gastro Lab Insoluble fibre - Water and fibre - CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize Soluble fibre - Water and fibre - CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize Water and fibre - CCEA - GCSE Home Economics: Food and Nutrition (CCEA) - Video - BBC Bitesize Water and fibre - CCEA test questions - GCSE Home Economics: Food and Nutrition (CCEA) - BBC Bitesize Macronutrients - CCEA - GCSE Home Economics: Food and Nutrition (CCEA) - Video - BBC Bitesize Macronutrients - CCEA test questions - GCSE Home Economics: Food and Nutrition (CCEA) - BBC Bitesize
Micronutrients – Vitamins Fat soluble • vitamin A • vitamin D • vitamin E • vitamin K	<ul> <li>the functions</li> <li>main sources</li> <li>effects of deficiency and excess</li> <li>related dietary reference values.</li> </ul>	22-27		Vitamin A - Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize  Vitamin D - Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize  Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) - Video - BBC Bitesize

Micronutrients – Vitamins Water soluble  B group – B1 (thiamin), B2 (riboflavin), B3 (niacin), B9 (folic acid) and B12  vitamin C (ascorbic acid)  loss of water-soluble vitamins when cooking (B group and Vitamin C).	<ul> <li>the functions</li> <li>main sources</li> <li>effects of deficiency and excess</li> <li>related dietary reference values</li> <li>how preparation and cooking affects the nutritional properties of food.</li> </ul>	22-27	Micronutrients – CCEA test questions - GCSE Home Economics: Food and Nutrition (CCEA) - BBC Bitesize The science behind vitamins and minerals   Biology – Gastro Lab  Vitamin B1 - Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize  Vitamin B12 - Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize  Folate - Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize  Vitamin C - Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize  Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize  Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) - Video - BBC Bitesize
			The science behind vitamins and minerals   Biology – Gastro Lab Micronutrients – CCEA test questions - GCSE Home Economics: Food and Nutrition (CCEA) - BBC Bitesize
<ul> <li>Antioxidant functions of vitamins</li> <li>vitamin A</li> <li>vitamin C</li> <li>vitamin E.</li> </ul>	The role of antioxidants in protecting body cells from damage.	22-27	Vitamin and mineral interactions - Micronutrients - CCEA - GCSE  Home Economics: Food and Nutrition (CCEA) Revision - BBC  Bitesize  Micronutrients - CCEA - GCSE Home Economics: Food and  Nutrition (CCEA) - Video - BBC Bitesize  Micronutrients - CCEA test questions - GCSE Home Economics:  Food and Nutrition (CCEA) - BBC Bitesize
Micronutrients – Minerals  calcium  iron  sodium (salt)  fluoride  iodine  phosphorus.	<ul> <li>the functions</li> <li>main sources</li> <li>effects of deficiency and excess</li> <li>related dietary reference values.</li> </ul>	30-35	Calcium - Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize Sodium - Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize Iron - Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize Micronutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) - Video - BBC Bitesize Micronutrients – CCEA test questions - GCSE Home Economics: Food and Nutrition (CCEA) - BBC Bitesize The science behind vitamins and minerals   Biology – Gastro Lab
Water The importance of hydration and the functions of water in the diet.	<ul> <li>functions of water to eliminate waste from the body, cooling and for digestion.</li> <li>how water is lost from the body.</li> <li>how much water/fluid is needed each day.</li> </ul>	36-37	Hydration The Eatwell Guide The science behind hydration   Biology – Gastro Lab Water - Water and fibre – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize Functions of water - Water and fibre – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize

	occasions when extra fluids are		Sourcing water and staying hydrated - Water and fibre – CCEA -
	needed.		GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC
			<u>Bitesize</u>
			Water and fibre – CCEA - GCSE Home Economics: Food and
			Nutrition (CCEA) - Video - BBC Bitesize
			Water and fibre – CCEA test questions - GCSE Home Economics:
			Food and Nutrition (CCEA) - BBC Bitesize
Nutritional needs and health	<ul> <li>the current guidelines for a</li> </ul>	38-39	What is The Eatwell Guide
Making informed choices for a varied	healthy diet e.g. The Eatwell Guide		Food groups and the Eatwell Guide - Food and nutrition for good
and balanced diet	<ul> <li>nutritional needs for the</li> </ul>		health – CCEA - GCSE Home Economics: Food and Nutrition
<ul> <li>the current guidelines for a healthy</li> </ul>	following life stages: young	45,48, 50,	(CCEA) Revision - BBC Bitesize
diet.	children, teenagers, adults and the	51, 55, 57	Eight tips for healthy eating - Food and nutrition for good health
<ul> <li>portion size and costing when meal</li> </ul>	elderly.	, ,	CCEA - GCSE Home Economics: Food and Nutrition (CCEA)
planning.	how to plan a balanced meal for		Revision - BBC Bitesize
<ul> <li>how peoples' nutritional needs</li> </ul>	specific dietary groups: vegetarian		Tips for healthy eating - Food and nutrition for good health –
change and how to plan a balanced diet	and vegan, coeliac, lactose		CCEA - GCSE Home Economics: Food and Nutrition (CCEA)
for different life stages.	intolerant and high fibre diets.		Revision - BBC Bitesize
how to plan a balanced meal for	interestant and high hore diets.		Food and nutrition for good health – CCEA test questions - GCSE
specific dietary groups.			Home Economics: Food and Nutrition (CCEA) - BBC Bitesize
<ul> <li>how to maintain a healthy body</li> </ul>			Vegetarians - Vegetarians and vegans – CCEA - GCSE Home
weight throughout life			Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize
weight throughout me			
			Reasons people may follow a vegetarian diet - Vegetarians and
			vegans – CCEA - GCSE Home Economics: Food and Nutrition
			(CCEA) Revision - BBC Bitesize
			Nutrients in a vegetarian diet - Vegetarians and vegans – CCEA -
			GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC
			Bitesize
			Healthy eating advice for vegetarians - Vegetarians and vegans –
			CCEA - GCSE Home Economics: Food and Nutrition (CCEA)
			Revision - BBC Bitesize
			<u>Vegetarians and vegans – CCEA - GCSE Home Economics: Food</u>
			and Nutrition (CCEA) - Video - BBC Bitesize
			<u>Vegetarians and vegans – CCEA test questions - GCSE Home</u>
			Economics: Food and Nutrition (CCEA) - BBC Bitesize
Energy needs	factors which affect the BMR,	58-61	Why is energy needed? - Energy and nutrients – CCEA - GCSE
the basal metabolic rate (BMR) and	such as age, gender and PAL. Their		Home Economics: Food and Nutrition (CCEA) Revision - BBC
physical activity level (PAL) and their	importance in achieving energy		Bitesize
importance in determining energy	balance.		Factors influencing energy requirements - Energy and nutrients —
requirements.	• the percentage of recommended		CCEA - GCSE Home Economics: Food and Nutrition (CCEA)
	energy sources from nutrients:		Revision - BBC Bitesize
	chergy sources from flutthents.		REVISION DDC DICESIZE

• the recommended percentage of energy intake provided by protein, fat	• protein 15% • fat 35% or less			Energy balance - Energy and nutrients – CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize
and carbohydrates (starch and sugar).	• carbohydrate 50% (of which 45%			Energy values of protein, fat and carbohydrates - Energy and
and conserve (comes and cognitive	from starches, lactose in milk and			nutrients – CCEA - GCSE Home Economics: Food and Nutrition
	fruit sugars and a maximum of 5%			(CCEA) Revision - BBC Bitesize
	from free sugars).			Eating well when balancing energy - Energy and nutrients – CCEA
				- GCSE Home Economics: Food and Nutrition (CCEA) Revision -
				BBC Bitesize
				Energy and nutrients – CCEA - GCSE Home Economics: Food and
				Nutrition (CCEA) - Video - BBC Bitesize
				Energy and nutrients – CCEA test questions - GCSE Home
				Economics: Food and Nutrition (CCEA) - BBC Bitesize
How to carry out a nutritional analysis	how to use current nutritional	63-67		Explore Food - Main Menu
how to plan and modify recipes, meals	information and data e.g. food			
and diets to reflect the nutritional	tables, nutritional analysis software			
guidelines for a healthy diet.	to calculate energy and nutritional value.			
Diet, nutrition and health	how diet can affect health and how	70-76		Obesity - Priority health issues – CCEA - GCSE Home Economics:
• the relationship between diet,	nutritional needs change in	70 70		Food and Nutrition (CCEA) Revision - BBC Bitesize
nutrition and health	relation to:			Cardiovascular disease - Priority health issues - CCEA - GCSE
• the major diet related health risks.	• obesity			Home Economics: Food and Nutrition (CCEA) Revision - BBC
,	cardiovascular health (coronary			Bitesize
	heart disease (CHD) and high blood			Diabetes - Priority health issues – CCEA - GCSE Home Economics:
	pressure)			Food and Nutrition (CCEA) Revision - BBC Bitesize
	<ul> <li>bone health (rickets and</li> </ul>			Osteoporosis - Priority health issues – CCEA - GCSE Home
	osteoporosis)			Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize
	dental health			<u>Dental caries - Priority health issues – CCEA - GCSE Home</u>
	iron deficiency anaemia			Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize
	Type 2 diabetes.			<u>Iron deficiency anaemia - Priority health issues – CCEA - GCSE</u>
				Home Economics: Food and Nutrition (CCEA) Revision - BBC
				Bitesize
				Priority health issues – CCEA - GCSE Home Economics: Food and
				<u>Nutrition (CCEA) - Video - BBC Bitesize</u> Priority health issues — CCEA test questions - GCSE Home
				Economics: Food and Nutrition (CCEA) - BBC Bitesize
Food science		Illuminate	CGP	Online links
100000000000000000000000000000000000000		textbook	revision	
			guide	
Cooking of food and heat transfer	Food is cooked to:	78-84		Fun Kitchen investigates heat transfer and sauce making for AQA
• the reasons why food is cooked	make food safe to eat			Conduction -Convection- Radiation-Heat Transfer

• the different methods of heat transfer.	<ul> <li>develop flavours</li> <li>improve texture</li> <li>improve shelf life</li> <li>give variety in the diet. How preparation and cooking affect the appearance, colour, flavour, texture, smell and overall</li> </ul>	05.00		
	palatability of food.  How heat is transferred to food through:  • conduction  • convection  • radiation.	85-90		
Selecting appropriate cooking methods Selection of appropriate preparation, cooking methods and times to achieve desired characteristics.	how the selection of appropriate preparation and cooking methods can conserve or modify nutritive value or improve palatability:  • water based: steaming, boiling, simmering, blanching, poaching, braising  • dry methods: baking, roasting, grilling, dry frying  • fat based: shallow frying, stir fry  • how preparation and cooking affect the appearance, colour, flavour, texture, smell and overall palatability of food e.g. the use of marinades to denature protein.	90-101		
Functional and chemical properties of food Proteins  • protein denaturation  • protein coagulation  • gluten formation	<ul> <li>the scientific principles underlying these processes when preparing and cooking food</li> <li>the working characteristics, functional and chemical properties</li> </ul>	105-107		
foam formation.	of proteins	114-115		
Carbohydrates	the scientific principles	110-111	Making a white sauce using t	he roux method (Teacher version)
gelatinisation	underlying these processes when	122-123		
dextrinisation	preparing and cooking food	116-119		
caramelisation.	• the working characteristics, functional and chemical properties of carbohydrates.			

Fats and oils (lipids)	the scientific principles			The science behind fat   Biology – Gastro Lab
• shortening	underlying these processes when	126-127		The science behind protein   Biology – Gastro Lab
• aeration	preparing and cooking food	130-131		The science behind carbohydrates   Biology – Gastro Lab
• plasticity	• the working characteristics,	134		Rubbing in fat to flour (Teacher version)
• emulsification.	functional and chemical properties	135-136		- Control of the cont
	of fats and oils.	100 100		
Fruit and vegetables	the scientific principles underlying	158		Love Food Love Science - video 3 - conducting experiement II
enzymic browning	these processes when preparing			
• oxidation.	and cooking food.			
Raising agents	the scientific principles	140,141,		Fun Kitchen investigates how raising agents work for AQA
<ul> <li>chemical (baking powder, bicarbonate</li> </ul>	underlying these processes when	143,146,		
of soda, self- raising flours which	preparing and cooking food	149, 151		
produce carbon dioxide)	• the working characteristics,	,		
<ul> <li>mechanical (whisking, beating,</li> </ul>	functional and chemical properties			
folding, sieving, creaming and rubbing	of raising agents.			
in – all incorporate air into the mixture)				
steam is produced when the water in				
any moist mixture reaches boiling point				
<ul> <li>biological (yeast).</li> </ul>				
Food safety		111	CCD	
roou salety		illuminate	CGP	Online links
roou salety		Illuminate textbook	revision	Online links
roou salety				Online links
Food spoilage and contamination	• growth conditions for		revision	Food Safety   Design and Technology - Food Preparation and
	growth conditions for microorganisms: role of	textbook	revision	
Food spoilage and contamination		textbook	revision	Food Safety   Design and Technology - Food Preparation and
Food spoilage and contamination Microorganisms and contamination	microorganisms: role of	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the	microorganisms: role of temperature, moisture, food and time	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the control of food spoilage • bacteria,	microorganisms: role of temperature, moisture, food and time • control of microorganism growth:	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the	microorganisms: role of temperature, moisture, food and time	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the control of food spoilage • bacteria, yeasts and moulds are microorganisms • high risk foods	microorganisms: role of temperature, moisture, food and time • control of microorganism growth: temperature control, pH, water availability	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the control of food spoilage • bacteria, yeasts and moulds are microorganisms	microorganisms: role of temperature, moisture, food and time • control of microorganism growth: temperature control, pH, water availability • high risk foods: ready to eat	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the control of food spoilage • bacteria, yeasts and moulds are microorganisms • high risk foods • enzymes are biological catalysts	microorganisms: role of temperature, moisture, food and time • control of microorganism growth: temperature control, pH, water availability	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the control of food spoilage • bacteria, yeasts and moulds are microorganisms • high risk foods • enzymes are biological catalysts	microorganisms: role of temperature, moisture, food and time • control of microorganism growth: temperature control, pH, water availability • high risk foods: ready to eat moist foods, usually high in protein	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the control of food spoilage • bacteria, yeasts and moulds are microorganisms • high risk foods • enzymes are biological catalysts	microorganisms: role of temperature, moisture, food and time	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the control of food spoilage • bacteria, yeasts and moulds are microorganisms • high risk foods • enzymes are biological catalysts	microorganisms: role of temperature, moisture, food and time	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the control of food spoilage • bacteria, yeasts and moulds are microorganisms • high risk foods • enzymes are biological catalysts	microorganisms: role of temperature, moisture, food and time         • control of microorganism growth: temperature control, pH, water availability         • high risk foods: ready to eat moist foods, usually high in protein that easily support the growth of pathogenic bacteria and do not require any further heat treatment or cooking	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the control of food spoilage • bacteria, yeasts and moulds are microorganisms • high risk foods • enzymes are biological catalysts	microorganisms: role of temperature, moisture, food and time	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition
Food spoilage and contamination Microorganisms and contamination • the growth conditions for microorganisms and enzymes and the control of food spoilage • bacteria, yeasts and moulds are microorganisms • high risk foods • enzymes are biological catalysts	microorganisms: role of temperature, moisture, food and time	textbook	revision	Food Safety   Design and Technology - Food Preparation and Nutrition

The signs of food spoilage	enzymic action: ripening of	158-170	Love Food Love Science - video 3 - conducting	g experiement II
enzymic action	bananas, browning of some fruits			
mould growth	mould growth: e.g. on bread and			
• yeast action.	cheese. Recognise the signs of			
, , , , , , , , , , , , , , , , , , , ,	mould growth on foods			
	<ul> <li>yeast action on fruits e.g. grapes,</li> </ul>			
	strawberries and tomatoes.			
Microorganisms in food production	moulds in the production of blue	170	Fun Kitchen investigates different flours for b	read making for
the use of microorganisms in food	cheese	149	AQA	read making for
production.	• yeasts to raise bread	143	How It's Made: Blue Stilton Cheese	
production.	<ul> <li>bacteria in yoghurt and cheese</li> </ul>		How it's Made. Blue Stitem cheese	
	production.			
Bacterial contamination	Contamination from:	171-181	Bacteria Bite Business	
the different sources of bacterial	other contaminated foods	1/1 101	FSA Explains: Campylobacter	
contamination	including the following raw foods:		FSA Explains: Salmonella	
• the main types of bacteria which	meat, poultry, eggs, seafood and		FSA Explains: E. Coli	
cause food poisoning	vegetables		FSA Explains: Listeria	
• the main sources and methods of	<ul><li>work surfaces and equipment</li></ul>		15A Explains, Listeria	
control of different food poisoning	• the people cooking			
bacteria types	• pests			
• the general symptoms of food	waste food and rubbish			
poisoning.	• campylobacter			
poisoning.	• e-coli			
	• salmonella			
	• listeria			
	• staphylococcus aureus			
Buying and storing food	• temperature control:	185-190	Food Safety   Design and Technology - Food	Proparation and
Principles of food safety	• freezing: -18°c	185-190	Nutrition	r reparation and
The food safety principles when buying	• chilling: 0 to below 5°c		Natrition	
and storing food.	• danger zone: 5 to 63°c			
and storing rood.	• cooking: 75°c			
	• reheating: 75°c			
	• ambient storage			
	temperature danger zone			
	<ul> <li>temperature danger zone</li> <li>correct use of domestic fridges</li> </ul>			
	and freezers			
	• date marks			
	• 'best before' and 'use by' dates			
Dunnaying cooking and coming to ad-	• covering foods	102 100		
Preparing, cooking and serving food	personal hygiene	192-199		

The food safety principles when preparing, cooking and serving food.	<ul> <li>clean work surfaces</li> <li>separate raw and cooked foods and use of separate utensils</li> <li>correct cooking times</li> <li>appropriate temperature control including: defrosting and reheating</li> <li>appropriate care with high risk foods</li> <li>correct use of food temperature probes.</li> </ul>			
Food choice		Illuminate textbook	CGP revision guide	Online links
Factors affecting food choice Factors which influence food choice To know and understand factors which may influence food choice.	The following factors in relation to food choice:  • physical activity level (PAL)  • celebration/occasion  • cost of food  • preferences  • enjoyment  • food availability  • healthy eating  • income  • lifestyles  • seasonality  • time of day  • time available to prepare/ cook.	202-210	<b>J</b>	Factors that influence eating habits and food choices Factors Affecting Food Choices
Food choices Food choices related to religion, culture, ethical and moral beliefs and medical conditions.	<ul> <li>food choice linked to the following religions and cultures:     Buddhism, Christianity, Hinduism, Islam, Judaism, Rastafarianism and Sikhism</li> <li>food choice linked to the following ethical and moral beliefs: animal welfare, Fairtrade, local produce, organic, Genetically Modified (GM) foods</li> <li>food choice linked to food intolerances (gluten and lactose)</li> </ul>	211-215		Food allergies and intolerance: What's the difference? BBC Stories K is for Kosher   A to Z of Religion and Beliefs   BBC Teach Global warming resistant GM crops   Biology - Beneath the Lab Coat

	1	T	
	and the following allergies: nuts,		
	egg, milk, wheat, fish and shellfish.		
Food labelling and marketing	mandatory information included	220-234	Food labelling   Design and Technology - Food Preparation and
influences	on food packaging in accordance		<u>Nutrition</u>
How information about food available	with current European Union and		Front of pack labeling - The Eatwell Guide
to the consumer, including labelling and	Food Standards Agency (FSA)		
marketing, influences food choice.	legislation		
	<ul><li>non-mandatory information:</li></ul>		
	provenance, serving suggestions		
	<ul> <li>how to interpret nutritional</li> </ul>		
	labelling		
	<ul> <li>how food marketing can</li> </ul>		
	influence food choice e.g. buy one		
	get one free, special offers, meal		
	deals, media influences,		
	advertising, point of sales		
	marketing.		
British and international cuisines	distinctive features and	237-246	
Food products from British tradition	characteristics of cooking		
and two different cuisines.	<ul> <li>equipment and cooking methods</li> </ul>		
	used		
	eating patterns		
	• presentation styles		
	• traditional and modern variations		
	of recipes.		
Sensory evaluation	Importance of senses when making	247-254	Sensory perception   Design and Technology - Food Preparation
sensory testing methods	food choices: sight, taste, touch		and Nutrition
how taste receptors and olfactory	and aroma		
systems work when tasting food.	preference tests: paired		
	preference, hedonic.		
	<ul> <li>discrimination tests: triangle.</li> </ul>		
	<ul> <li>grading tests: ranking, rating and</li> </ul>		
	profiling		
	how to set up a taste panel		
	controlled conditions required		
	for sensory testing		
	evaluating how senses guide		
	evaluating a wide range of		
	ingredients and food from Britain		
	and other countries		

	how to test sensory qualities of a wide range of foods and combinations.			
Food provenance		Illuminate textbook	CGP revision guide	Online links
Environmental impact and sustainability of food - Food sources where and how ingredients are grown, reared and caught.	<ul> <li>grown ingredients: fruits, vegetables and cereals reared ingredients: meat and poultry caught ingredients: fish an understanding of:</li> <li>organic and conventional farming</li> <li>free range production</li> <li>intensive farming</li> <li>sustainable fishing</li> <li>advantages and disadvantages of local produced foods, seasonal foods and Genetically Modified (GM) foods.</li> </ul>	255-262		What is Organic Farming?   Agriculture   Biology   FuseSchool What is the difference between organic and free range eggs Is intensive farming the right way to produce food?   Geography: The Big Issues BBC Look North: How sustainable is your Fish & Chips?  David Attenborough Explains What We Need to Do to Stop Over- Fishing
Food and the environment environmental issues associated with food.	<ul> <li>seasonal foods</li> <li>sustainability e.g. fish farming</li> <li>transportation</li> <li>organic foods</li> <li>the reasons for buying locally produced food</li> <li>food waste in the home/ food production/retailers</li> <li>environment issues related to packaging</li> <li>carbon footprint.</li> </ul>	263-268		Rachel Green on Seasonal Food What's the real carbon footprint of your food?   FT Food Revolution
Sustainability of food the impact of food and food security on local and global markets and communities.	the challenges to provide the world's growing population with a sustainable, secure, supply of safe, nutritious and affordable high-quality food. Students must have an awareness of:  • climate change  • global warming  • sustainability of food sources  • insufficient land for growing food	269-272		Climate Change & Food Security   Explained The difference that Fairtrade makes FSA Explains: Genetically Modified Food Global Warming 101   National Geographic What is food insecurity? An explanation What is food security? Food waste

	<ul> <li>availability of food</li> <li>Fairtrade</li> <li>problems of drought and flooding</li> <li>Genetically Modified (GM) foods</li> <li>food waste.</li> </ul>		
Food processing and production Food production primary and secondary stages of processing and production. how processing affects the sensory and nutritional properties of ingredients	<ul> <li>primary processing related to the: rearing, fishing, growing, harvesting and cleaning of the raw food material (milling of wheat to flour, heat treatment of milk, pasteurised, UHT, sterilised and microfiltered milk)</li> <li>secondary processing related to: how the raw primary processed ingredients are processed to produce a food product (flour into bread and/or pasta, milk into cheese and yoghurt, fruit into jams)</li> <li>loss of vitamins through heating and drying</li> <li>the effect of heating and drying on the sensory characteristics of milk.</li> </ul>	136 (butter) 274-283	Food production   Design and Technology - Food Preparation and Nutrition - YouTube Baked Bread: how flour is made Baked Bread: how is bread made? Perfect Pasta: what is pasta made from? Perfect Pasta: what is durum wheat? How It's Made: Milk How Cheese Is Made!   Ever Wonder?   Highlights Kids How Cheese Is Made How Yogurt is Made The Science Behind Jam How to make strawberry jam - Mary Berry Cooks: Episode 1 Preview - BBC
Technical developments associated with better health and food production technological developments to support better health and food production including fortification and modified foods with health benefits and the efficacy of these.	<ul> <li>cholesterol lowering spreads</li> <li>health benefits of fortification</li> <li>fortified foods: thiamin, niacin, calcium and iron added to white flour</li> <li>folic acid and iron added to breakfast cereals</li> <li>vitamins A and D added to fats and low-fat spreads</li> <li>the positive and negative aspects of the use of additives: colourings, emulsifiers and stabilisers, flavourings, and preservatives</li> <li>the positive and negative aspects of Genetically Modified (GM) foods.</li> </ul>	284-288	What is food fortification? - Food additives and fortification — CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize Why are foods fortified? - Food additives and fortification — CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize What are food additives? - Food additives and fortification — CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize Types of food additives - Food additives and fortification — CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize Reasons for and against the use of food additives - Food additives and fortification — CCEA - GCSE Home Economics: Food and Nutrition (CCEA) Revision - BBC Bitesize

	Food additives and fortification – CCEA - GCSE Home Economics
	Food and Nutrition (CCEA) - Video - BBC Bitesize
	<u>Food additives and fortification – CCEA test questions - GCSE</u>
	Home Economics: Food and Nutrition (CCEA) - BBC Bitesize