Personalised Revision Checklist for GCSE Food Preparation and Nutrition

	I must know and understand		
	The functions		
D	Main sources		
Protein	Effects of deficiency (not enough)		
	Effects of excess (too much)		
	Related dietary reference values		

	I must know and understand		
	The functions		
Fasta	Main sources		
Fats	Effects of deficiency (not enough)		
	Effects of excess (too much)		
	Related dietary reference values		

	I must know and understand		
	The functions		
Carbohydrat	Main sources		
es	Effects of deficiency (not enough)		
	Effects of excess (too much)		
	Related dietary reference values		

must know and understand				
he functions				
1ain sources				
ffects of deficiency (not enough)				
ffects of excess (too much)				
Related dietary reference values				
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Vitamins –	I must know and understand		
Water	The functions		
soluble	Main sources		
• B	Effects of deficiency (not enough)		
• C	Effects of excess (too much)		
	Related dietary reference values		
	How preparation and cooking affects nutritional properties of food.		

Vitamins	I must know and understand		
–antioxidant	The functions		
functions			
• A			
• C			
• E			
	Main sources		
	Effects of deficiency (not enough)		
	Effects of excess (too much)		
	Related dietary reference values		

How preparation and cooking affects nutritional properties of		
food.		

	I must know and understand		
	The functions		
	Main sources		
Minerals	Effects of deficiency (not enough)		
	Effects of excess (too much)		
	Related dietary reference values		

	I must know and understand		
	Function of water to eliminate		
	waste from body		
	Function of water to cool the		
Water	body		
	Function of water to aid digestion		
	How water is lost from the body		
	Occasions when extra fluids are		
	needed		

	I must know and understand		
Making	Guidelines for healthy eating –		
informed	Eatwell Guide		
choices for a	Nutritional needs at different life		
varied and	stages		
healthy diet	How to plan a balanced meal for		
	specific dietary needs		

	I must know and understand		
	Factors which affect basal metabolic rate		
Energy	The percentage of recommended		
needs	energy sources Protein 15%		
	Fat 35%		
	Carbohydrates 50%		

	I must know and understand		
How to	How to use current nutritional		
carry out	information and data to calculate		
nutritional	energy and nutritional values		
analysis	Food tables		
	Nutritional analysis software		

-	I must know and understand		
	Obesity		
Diet,	Cardiovascular disease		
nutrition	High blood pressure		
and health	Bone health		
	Dental health		
	Iron deficiency anaemia		

Type 2 diabetes		
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	I must know and understand		
	Make food safe to eat		
	Develop flavours		
Why is	Improve texture		
food	Improve shelf life		
cooked and	Give variety to diet		
how heat is	Improve colour , flavour, texture and		
transferred	smell		
	Conduction		
	Convection		
	Radiation		

	I must know and understand		
Selecting	Select appropriate cooking & preparation methods		
appropriat e cooking	Can conserve or modify nutritive value		
e cooking methods	Know how cooking and preparation affect appearance, colour, flavour, texture, smell and palatability		

Function and chemical	I must know and understand		
properties of Protein: • Protein	Scientific principles underlying these processes when preparing and cooking food		
 denaturation Protein coagulation Gluten formation Foam formation 	The working characteristics, functional and chemical properties of proteins		

Function and chemical	I must know and understand		
properties of Carbohydrates: • Gelatinisation	Scientific principles underlying these processes when preparing and cooking food		
DextrinisationCaramelisation	The working characteristics, functional and chemical properties of proteins		

Function and chemical	I must know and understand		
properties of Fats and Oils: • Shortening • Aeration • Plasticity	Scientific principles underlying these processes when preparing and cooking food		

The working characteristics, functional and chemical		
properties of proteins		

Function and chemical	I must know and understand		
 properties of fruit and vegetables: Enzymic browning Oxidation 	Scientific principles underlying these processes when preparing and cooking food		

Function and chemical	I must know and understand		
properties of raising agents: • Chemical	Scientific principles underlying these processes when preparing and cooking food		
MechanicalSteam	The working characteristics, functional and chemical properties of proteins		

	I must know and understand		
	Growth conditions for		
Microorganis	microorganisms		
ms and	Control of microorganisms		
enzymes	growth		
	High risk foods		
	Control of enzymic action		

	I must know and understand		
Signs of food	Enzymic action		
spoilage	Mould growth		
	Yeast action on fruits		

	I must know and understand		
Microorganis	Mould in the production of blue		
ms in the	cheese		
production of	Yeasts in bread		
food	Bacteria in yoghurt and cheese production		

	I must know and understand		
	From other contaminated foods		
	Work surfaces and equipment		
	The people cooking		
Bacterial	Pests		
contaminatio	Waste food and rubbish		
n	Campylobacter		
	E-coli		
	Salmonella	 	
	Listeria		
	Staphylococcus aureus		

	I must know and understand		
	Temperature control		
	Ambient storage		
Buying and	Temperature danger zone		
storing food	Correct use of fridges and		
sioning loou	freezers		
	Date marks		
	"Best before" and "Use by" dates		
	Covering foods		

	I must know and understand		
	Personal hygiene		
Food safety in	Clean work surfaces		
preparing,	Separate raw and cooked foods		
cooking and	Correct cooking times		
serving food	Temperature control		
	Care with high risk foods		
	Use of food temperature probes		

	I must know and understand		
	Physical activity level		
	Celebration		
	Cost of food		
	Preferences		
	Enjoyment		
Factors which	Food availability		
may influence	Healthy eating		
food choice	Income		
	Lifestyle		
	Seasonality		
	Time of day		
	Time to prepare and cook		
	Be able to cost recipes and make modifications		

	I must know and understand		
How food	Mandatory information included		
labelling and	on packaging		
marketing	Non mandatory information		
influences	How to interpret labelling		
food choice.	How marketing can influence		
	choice		

Food choices	I must know and understand		
related to	Food choice linked to religious		
religion, culture,	teachings		
ethical and	Food choice linked to ethical and		
moral beliefs	moral beliefs		
and medical conditions	Food choice linked to food intolerances		
conditions			

Foods from British tradition and 2 different	I must know and understand		
	Distinctive features and		
	characteristics of cooking		
	Equipment and cooking methods		
	used		
cuisines	Eating patterns		

Prese	ntation styles		
	ional and modern		
variat	ions of recipes		

	I must know and understand	
	Preference tests: paired	
	preference, hedonic	
	Discrimination tests: triangle	
	Grading tests: ranking, rating and profiling	
Sensory	How to set up a taste panel	
evaluation	Controlled conditions for sensory	
evaluation	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	

	I must know and understand	
	Grown ingredients: fruit, vegetables, cereals	
Where and	Reared ingredients: meat and poultry	
how ingredients	Caught ingredients: fish Organic and conventional	
are grown, reared and	farming	
caught	Free range production Intensive farming	
	Sustainable fishing	
	Local produced foods	
	Seasonal foods	

	I must know and understand		
	Seasonal foods		
	Sustainability eg fishing		
Environmenta	Transportation		
l issues	Organic foods		
associated	Reasons for buying food locally		
with food	Food waste in the		
	home/production/retailers		
	Environment issues relating to		
	packaging		
	Carbon footprint		

Impact of food on local and global markets and communities	I must know and understand		
	Climate change		
	Global warming		
	Sustainability of food sources		
	Insufficient land for growing food		
	Availability of food		
	Fairtrade		
	Problems of drought and flooding		
	Genetically Modified foods		
	Food waste		

Food	I must know and understand		
production:	Primary processing related to		
Primary and	the rearing, fishing, growing,		
secondary	harvesting and cleaning of the		
stages of	raw food material		
processing and	Secondary processing relating		
production and	to how the raw primary ingredients are processed to		
how processing	produce a food product		
affects the	Loss of vitamins through heating		
sensory and	and drying		
nutritional	The effect of heating and drying		
properties of	on the sensory characteristics of		
ingredients	milk		

	I must know and understand		
	Cholesterol lowering of spreads		
	Health benefits of fortification		
Technological	Thiamine, niacin, calcium and iron added to white bread		
developments to support	Folic acid and iron added to breakfast cereals		
better health and food	Vitamins A and D added to fats and low fat spreads		
	Positive and negative aspects of additives		
	Positive and negative aspects of Genetically Modified foods		

	I must know and understand		
	Consider lifestyle and choice when planning meals		
	Consider nutritional needs when planning meals		
	Review and make improvements to recipes		
Food preparation	Manage the time and cost of recipes		
and cooking techniques	Use testing and sensory evaluation to improve the recipe		
leeningues	during the preparation and cooking process		
	Explain, justify and present ideas about chosen cooking methods		
	Make decisions about appropriate cooking, preparing		
	and presenting techniques		