NUTRITION

**FOOD SAFETY** 

**FOOD CHOICE** 

**FOOD SCIENCE** 

FOOD IN INDUSTRY

FOOD PROVENANCE

**COOKING AND FOOD PREPARATION** 

Nutrition

The 5 main nutrients are:

Carbohydrate (Sugar, Starch, Fibre)

Fat

Protein

Vitamins (A, B, C, D, E, K)

Minerals (Iron, Sodium, Flouride, Calcium)

Macro Nutrients: Carbohydrate, Fat,

Protein

**Micro Nutrients: Vitamins and Minerals** 

**Non Nutrients:** 

FIBRE – Vegetables, wholemeal flours/

pasta – aids digestion

WATER - Water, juice, fruit, vegetables - hydration of all cells

NEA1 – if you choose GCSE Food Preparation you will do a Non-examination Assessment (coursework & Practical) NEA1 called Food Science – this would account for 15% of your GCSE. You would start it in Sept Yr11.

Example of task title: Investigate the chemical and functional role of yeast in bread making

C

# **Raising Agents**

cream of tartare

Biologically e.g. yeast

A raising agent is an ingredient or process that introduces a gas into a mixture so that it rises when cooked The gases introduced are air (a mixture of gases), steam (water in its gaseous state), or carbon dioxide (CO2 There are 3 ways this can be done Mechanically e.g. whisking, sieving, folding Chemically e.g. baking powder, bicarbonate of soda,

Residential – You can sleep there

Non -residential - You can't sleep there

Commercial – makes a profit (Costa, Travel Lodge)

Non-commercial - doesn't make a profit (Hospitals, Schools, Prisons)

GOOD

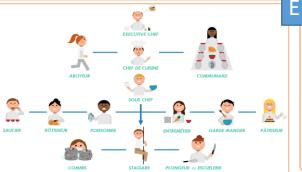
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Hospitality & Catering. The Front of House system, kitchen layouts and different chefs.

Head chef, sous chef, saucier etc

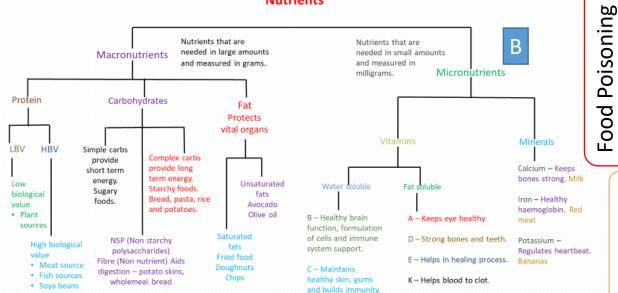


SOURCE



Service types Table Silver Vending Family Counter Buffet

#### Nutrients



PRACTICE diarrhea, fever, unpasteurized cooking raw STERIA food thoroughly muscle aches milk, soft cheese cooking raw nausea, fever, raw milk, CAMPYLOBACTER food thorughly ramps, diarrhea raw meat hold food at below stews, soups, ausea, vomiting, CLOSTRIDIUM 40°F (4°C) or abov PERFRINGENS pain, diarrhea 140°F (60°C) diarrhea, cooking raw SALMONELLA food thorughly ESCHERICHIA amps, diarrhea food thorughly, ound beef, unpasfever, vomiting pasteurized food

#### The Environmental Health Officer

SYMPTOMS

- Inspecting business for food safety standards
- Follow up complaints
- · Follow up outbreaks of food poisoning
- Collecting samples for testing
- Giving evidence in prosecutions
- Maintaining evidence
- Submitting reports

Knife Skills – Bridge, Claw, Cross-cutting. Chefs knife, vegetable knife. Cuts – julienne, dice, brunoise

Sauce making – Roux, bechamel, reduction, emulsion

#### Sauces classification

Kitchen sauces are prepared in the kitchen by Chefs for the preparation & completion of various dishes.

Proprietary sauces are ones available in shops & are usually prepared commercially. These are usually served on the table in restaurants as a part of accompaniments to certain dishes. The Chef may use some of these sauces in marinades, as seasoning and in preparation of certain dishes.

Kitchen sauces may be further classified as:

Mother/Leading sauces, Dessert sauces, Miscellaneous sauces and Compound Butters.

Mother or leading sauces may be divided into Hot, Warm and Cold sauces

Hot Sauces: Béchamel, Veloute, Espagnole & Tomato sauce. Warm Sauces: Hollandaise/ Béarnaise (Emulsion sauce) Cold Sauces: Mayonnaise sauce (Emulsion sauce)

**NUTRITION** 

City & Guilds

industry

service

Examples of courses :

Introduction to the

**Cooking & Service** 

for the Hospitality

**H&C industry** 

**Culinary skills** 

Food & Beverage

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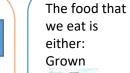
#### **FOOD PROVENANCE**

#### **COOKING AND FOOD PREPARATION**

scones, ham, bacon, processed

meats, e.g. sausages

There are many job roles available in the Hospitality & Catering Industry. There are a number of training courses available for different industry sectors..



Reared

or Caught

**Pasta** 

# **Springboard UK** Examples of courses;

- **Springboard** FutureChef work in schools
- **FutureChef** competitions & awards
- **Mentoring industry** visits, visiting speakers etc.

## Universities & Colleges Admissions service (UCAS) Examples of courses; **Higher National** Certificates & Diplomas

- & degrees Hospitality management
- Professional Cookery
- Culinary Industry Management
- Food & Culinary Arts

# Chartered Instritue of **Environmental Health** (CIEH)

Examples of courses;

- Level 1 introductory Certificate in Food Safety
- Level 2 Foundation certificate in Food Safety

# What personal attributes do you need to work in the industry?

Enthusiastic, hard working, punctual & reliable, wiling to learn & develop skills, ability to take initiative, helpful & approachable, sense of humor, ability to take criticism & act on it, good team member, calm & composed, good commitment, good communicator

# Food Provenance – Processing and production

Modern processing techniques have made it possible to produce a wide variety of food products to the same quality, standard, colour, flavour, shape

There are two main stages in food processing



# Primary processing.

Foods are processed straight after harvest or slauahter, to get them ready to be eaten or ready to be used in other food products.

wheat grains turned into flour

heat treatment of milk

# Secondary processing

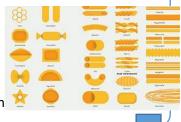
Primary processed foods are either Used on their own or mixed with other foods and turned into other food products.

wheat flour turned into bread or

milk into yoghurt

# Pasta is an Italian type of food

typically made from an unleavened dough of wheat flour or 00 flour (gluten) mixed with water or eggs, and formed into sheets or other shapes, then cooked by boiling or baking



# **Careers - employment contracts**

Full-time: hours of work & start/end times are specified. Any shift work is specified. The employee qualifies for sick pay and holiday pay

Part-time: days of the week & start/end times specific. Reduced sick and holiday pay

Casual work: seasonal or available through an agency e.g. to cover someone who is away due to illness. No sick or holiday pay

Zero hours: is an agreement between worker & employer, no specific hours/end/finish times. No sick or holiday pay.

/	Type of diet	Reason for following diet	Foods that can be eaten	Foods to avoid
	Vegan	Health, religious, ethical or other	All plant foods, Protein alternatives: tofu, tempeh, TVP	All animal foods including fish and shellfish
	Lacto-ovo Vegetarian	Health, religious, ethical or other	All plant foods, Milk & dairy foods, eggs	Any animal food where the animal has been killed, including fish and shellfish
	Lacto- vegetarian	Health, religious, ethical or other	All plant foods Milk & dairy foods	Any animal food where the animal has been killed, including fish and shellfish, eggs
	Gluten free	Coeliac disease	Rice, rice products, soya, maize (corn), Cassava (tapioca), linseeds, polenta, beans, peas, lentils, quinoa, sorghum, agar, nuts	Wheat and wheat products, bread, cakes, biscuits, pastries, barley, oats, rye products
	Lactose free	Lactose intolerance	Specially produced lactose-free dairy products. All foods with no dairy in them	Mil, milk products (cream, yogurt, cheese, butter), foods containing milk products
	High fibre	Diseases of the intestines e.g. constipation, diverticular disease	Fruits, vegetables, wholegrain cereals, breads, pasta, rice, peas, beans, lentils	White flour and white flour products, white rice, smooth fruit juice
	Low sugar	Diabetes, weight reduction diet	Fresh vegetables and fruit, milk, unsweetened milk products	Free sugars that have been added to cakes, biscuits, drinks, confectionary, desserts, sauces, ice cream, breakfast cereals, honey, syrup, jam, etc.
	Fat reduced	Heart disease, weight reduction diet	Naturally low-fat foods, e.g. fruits, vegetables, cereals, white fish, fat reduce cheese, spreads, milk, etc.	Full-fat dairy foods, pastries, meats, crisps, chips, doughnuts, cakes, biscuits, fried foods, desserts, ice cream
	Low sodium (salt)	Heart disease, high blood pressure, kidney disease	Fruits, vegetables, milk, eggs, poultry, unprocessed meat	Yeast extract, cheese, dried fish, canned fish, soy sauce, ketchup, pickles, ready meals, snack foods, cakes, biscuits,

**NUTRITION** 

**FOOD SAFETY** 

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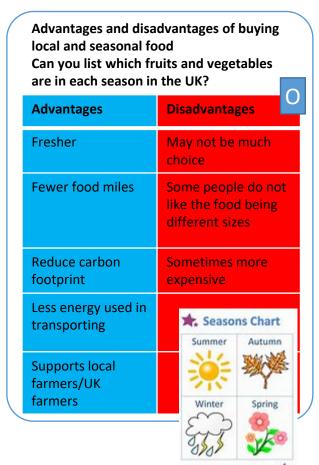
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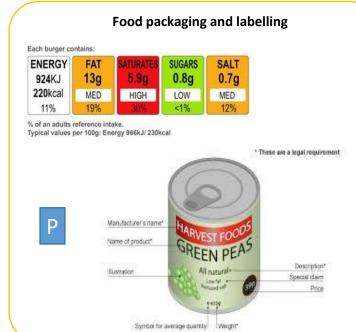
**FOOD PROVENANCE** 

**COOKING AND FOOD PREPARATION** 



# **Red Tractor Organic Fairtrade GM** free

You need to know what these terms mean and how they link to food choice



## Information required by law:

The name of the food

A 'best before' or 'use by' date (or instructions on where to find it)

Any necessary warnings

Net quantity information

A list of ingredients (if there is more than 1)

The name and address of the UK business responsible for the information on the food or, if the business is not established in the UK, the name and address of the importer

the country of origin, if required

the lot number or use-by date

any special storage conditions

instructions for use or cooking, if necessary

# Types of pastry

There are four main types of pastry that we use in school:

Filo

# **Shortcrust**





Rough Puff/



Choux











# Bakina blind

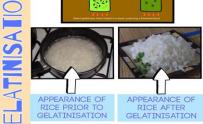
Means to partly cook the pastry case before adding the filling.

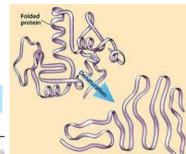
Fillings can make the pastry very soqqy. YOU DON'T WANT A SOGGY BOTTOM!!! Baking beans on paper are used to stop the pastry rising, then lifted out.











**Food Science:** Gelatinisation **Denaturation Shortening** Aeration Layering **Elasticity** Glazing

