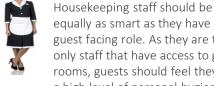


UNIT 1 The hospitality & catering industry



Front of House Staff Should be smart and presentable. They are the first point of contact for the customer. Desk staff should wear a suit and name badge with title to inform the customer of their responsibilities.

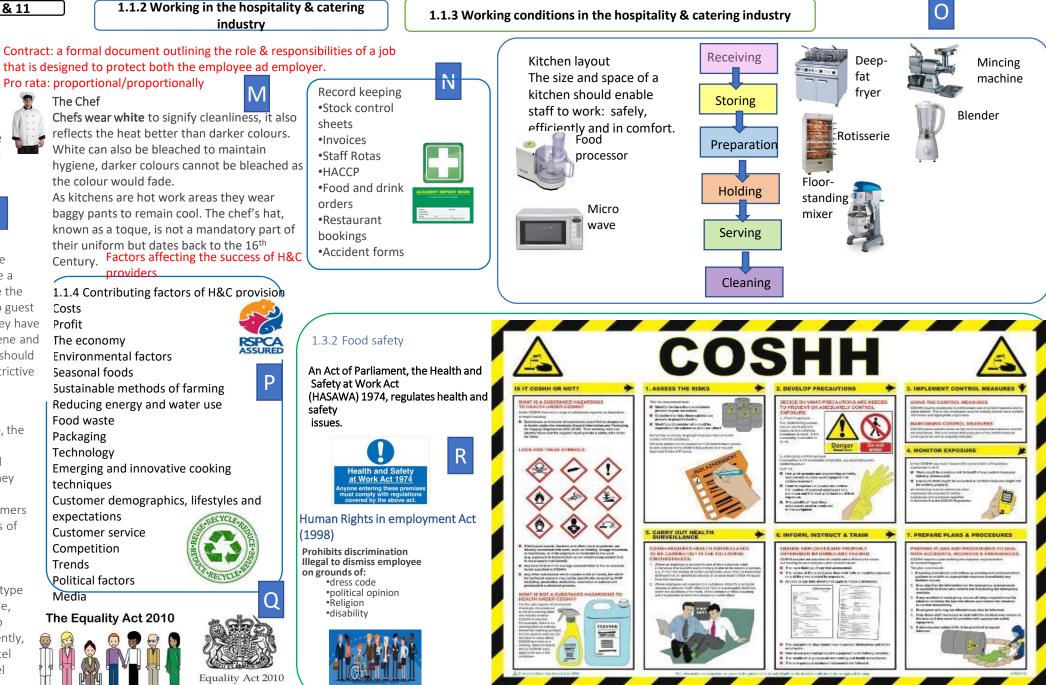
Housekeeping Staff



equally as smart as they have a guest facing role. As they are the only staff that have access to guest rooms, guests should feel they have a high level of personal hygiene and presentation. Their uniform should also be practical and not restrictive as they have a physical job.

Wait Staff

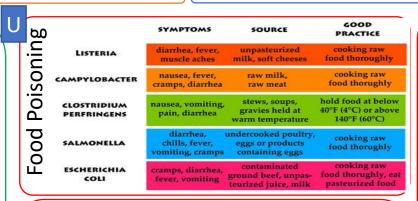
Another customer facing role, the wait staff directly speak to customers; taking orders and dealing with any issues. As they also present food to the customer it is essential customers feel they have high standards of personal hygiene. Wait staff should be **presentable** and represent the establishment accurately, regardless of the type of establishment. For example, fast food servers priority is to serve food quickly and efficiently. whilst waiters in a deluxe hotel would not want guests to feel rushed.



1.3.1 Health and safety in hospitality and catering

1.3.2 Food safety and 1.4.1 & 2 & 3





Food spoilage and contamination

1. Food spoilage may be caused by many various microorganisms – bacteria yeast and moulds – as well as by enzymes naturally present in the food products

Microorganisms

- 1. Tiny organisms visible only under a microscope e.g. bacteria, yeast and mould.
- 2. Warmth ideally a temperature between 5c-63c.
- 3. Water microorganisms grow better in moist conditions
- 4. Good ideally protein, but sometimes also sugar
- Time the longer the time, the more time the microorganisms have to multiply
- 6. DANGER ZONE 5c-63c. Bacteria growth above and below these temperatures is slower.
- Growth controlled by storing food in proper conditions, freezing and refrigerating food, cooking food before eating, not refreezing food once it has been defrosted.

Enzymes

- 1. Enzymes Biologically active protein-based molecules.
- 2. Catalysts speed up the rate of chemical reactions
- 3. Enzymes are necessary for fruit to ripen.
- Enzymic browning darkening of fruit and vegetables caused by enzymes and should be avoided to preserve the nutritional value of food. Browning can be stopped by blanching and use of acids
- Best before applied to food quality (look, flavour and colour) and it's relatively safe to eat 4. the food after that date: it is used on dry, frozen or tinned foods and eggs.
- 6. Use by applies to food safety so it might be harmful to eat a food after that date: used on fresh foods such as milk and dairy.

Ambient storage – storing at room temperature 7. usually around 20°c.

British Lion Scheme – food safety mark which 8. guarantees that eggs are produced in the UK and that al the hens have been vaccinated against salmonella. Cross-contamination – is when bacteria, toxins or food particles are transferred to a food product.

- Caused by:-
- Waste food and rubbish
- Pests and rodentsThe cooks hand



• Work surfaces and equipment

W

- Other contaminated foods, including high-risk foods. 2. Anaphylactic shock – is a life-threatening reaction Most common allergens – nuts, fish and seafood, milk
- and eggs.

Temperature control

- Tainting means that the
- m=smell of one food
- contaminates other food.

Always cover.

Freezer burn – involves the dehydration and oxidation of food causec by improper freeing. E.g inadequate packaging.

SAL Keep

SALAD, FRUIT & VEGETABLES Keep ready to eat fruit & vegetables in sealed bags or containers, always wash before use.

	Freezing	-18c
	Chilling	0—5c
	Cooking	Above 75
	Reheating	Above 75
Д	Hot holding	63c

Nutritional needs for different activity levels BMR – basal metabolic rate is the amount of energy we need to keep our body alive Energy balance – the amount of energy we get from food each day is the same as the amount of energy we use each day Energy dense – a food that contains a lot of fat and/or carbohydrate (sugar, starch) and has a high energy value

PAL – this means physical activity level, and is the amount of energy we use for movement and physical activity every day

> High biolo value • Meat si • Fish so: • Soya be

Y

because the pancreas doesn't produce any, or enough, insulin to control the amount of sugar in the blood. **Coeliac:** is a person suffering from coeliac

disease.

Kosher: refers to food that is allowed to be eaten because it is considered clean in Judaism. Halal: meat which has been slaughtered in a specific way. Lacto vegetarian: are vegetarians who eat no fish, meat, meat products, or eggs, but eat dairy foods. Lacto-ovo vegetarian: are vegetarians who eat no fish, meat, meat products, but eat eggs and dairy products. Vegan: are vegetarians who eat no fish no meat meat products eggs or

Nutrients that are

and measured in

milligrams

needed in small amounts

Vitamins

Vegan: are vegetarians who eat no fish, no meat, meat products, eggs or dairy foods. Only plant foods are eaten.

UNIT 2 Hospitality and catering in action

Micronutrients

A – Keeps eve healthy.

K - Helps blood to clot.

D - Strong bones and teeth.

E - Helps in healing process.

Minerals

Calcium - Keeps

bones strong. M

haemoglobin. Re

Regulates heartb

Iron - Healthy

Potassium -

Bananas

Ethical: relating to moral principles or the branch of knowledge dealing with these.

2.2.1 Factors affecting menu planning

Special diets continued

Gluten: is a general name for the proteins found in flour. Lactose intolerance: means you cannot digest lactose. Allergy: conditions caused by hypersensitivity of the immune system to something in the environment that usually causes little or no problem in most people. These diseases include hay fever,

food allergies, atopic

dermatitis, allergic asthma, and anaphylaxis.

Multicultural: relating to or containing several cultural or ethnic groups within a society.

Cuisine: is a style of food characteristics to a particular country or region

Food intolerance: is a sensitivity to some foods. **Lactose:** is the sugar naturally found in milk.

Coeliac disease: is a bowel disease; a sensitivity to gluten. **Seasonal:** refers to foods that are only available at certain times of the year.

Disposable income: is what money is left over for saving or spending after taxes are subtracted from income. **Food miles:** are the distance that food is transported as it travels from producer to consumer.

Carbon footprint: is the amount of greenhouse gases produced in the production and transportation of foods. **Anaphylaxis:** Anaphylaxis is a severe and potentially lifethreatening reaction to a trigger such as an allergy. It's also known as **anaphylactic shock**.

How nutritional needs vary depending on age

As we age our nutritional needs change due to a number of reasons. **YOUNG CHILDREN** – growth spurt – require more protein, calcium and vitamin D. Teething – calcium, fluoride and Vit D, developing immune system, fewer sugary sweets and drinks to prevent overweight and tooth decay.

TEENAGERS—Calcium and vitamin D for growth spurts and bones, iron to prevent anaemia, eat regularly for energy, fewer sweets and sugary drinks to prevent obesity.

Portion size and costing when planning a meal.

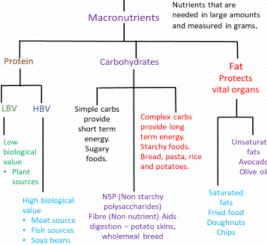
Eating the correct portion size ensures that individuals nutritional ad energy needs are met. Must stay within the family budget.

Energy

Jobs in the body – growth and movement, chemical reactions, using the brain, making sound and body warmth. It is measured in Kcals KJ – 1g carbohydrate=3.75 kcals/16 KJ, 1g fat= 9 kcals/37 KJ, 1g protein = 4 kcals/16 KJ

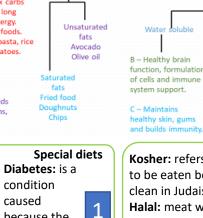
Energy dense foods contain lots of fat and sugar. The amount of energy needed depends on BMR, PAL and life stage. The macro nutrients are converted to glucose in the body to produce energy. Too much energy in the diet (excess) causes gradual weight gain and obesity Balanced weight is equal amount of energy eaten to used Energy deficiency is not enough eaten for energy used. Results in lack of energy in diet (energy deficiency) Gradual weight loss

activity levels the amount of ody alive of energy we same as the



HOSPITALITY & CATERING YR 10 & 11

2.1.1 The importance of nutrition



Nutrients

2.2 Factors affecting menu planning

Deficiencies – Too much. too little

Hypertension – condition in which blood pressure is too high. Due to obesity, smoking ...

Iron deficiency anaemia – condition caused by a lack of iron in the diet.

Obesity – Condition in which fat is stored by the body in large amounts.

Coronary heart disease - condition in which blood vessels in the heart are narrowed by cholesterol plaque build – up.

Type 2 diabetes – chronic condition in which blood sugar levels are abnormally high.

Skeletal disorders - group of diseases of the skeletal system caused by a deficiency of micronutrients. Energy –is the number of calories you need to consumer every day to maintain function and body

mass.

Energy needs – depend on sex, age, height, weight, occupation, lifestyle, body composition.

BMR – basal metabolic rate.

PAL – physical activity level

BMR x PAL = total energy expenditure (TEE)

BMI – body mass index.

Rastafarians - eat i-tal (clean, natural and pure), coconut oil, herbal tea, fruit and veg. Don't eat pork, salt. milk coffee. alcohol.

Buddhists - eat a vegetarian diet, don't eat meat and alcohol.

Muslims –eat halal food only, don't eat pork, alcohol. fish and shellfish, without scales.

Jews – eat kosher food, don't eat shellfish, pork, meat with diary.

Hindus –eat milk, main vegetarian, don't eat beef and alcohol.

Sikhs – eat a vegetarian diet,, don't eat alcohol, kosher, halal, beef.

Christians -eat generally everything, don't eat meat on a Friday. 5

HOSPITALITY & CATERING YR 10 & 11

Ethical beliefs

May be based on – animals suffering, how food is made or how food production affects the environment. Fair-trade – global movement focused on ensuring fair working conditions, prices and wages to farmers and workers in developing countries.

Animal welfare - Movement focused on ensuring the wellbeing of animals and humane conditions for rearing animals. Organic foods - Plants and animals are grown and reared in the most natural way possible.

GM foods – Plants or animals in which DNA has been altered. Local produce – local food fresher, tastier, cheaper, fewer food miles and lower carbon emissions.

Food miles – Distance from a farm to the plate.

Carbon footprint – amount of carbon dioxide and other greenhouse gases emitted during the production of the food. Greenhouse gases - carbon dioxide, water vapour, nitrous oxide, ozone.



Medical Conditions

4

Food intolerances – reaction of the digestive tract to a food ingredient.

Most common intolerances - lactose, gluten (in wheat, barley, rye and oats)

Symptoms and diet – cause bloating, stomach cramps or diarrhoea.

Food allergy – reaction of the immune system to a food ingredient.

Most common allergens - nuts, eggs, milk, wheat, fish and shellfish.

Symptoms and diet – can cause a severe, life threatening reaction.

Anaphylactic shock – must avoid the food. Factors influencing food choices:

Physical activity level - amount of energy needed to perform daily tasks.

Healthy eating – a balanced and varied diet. Lifestyle – the way people live.

Food availability – the amount and variety of food available.

Seasonality – availability of foods.

UNIT 2 Hospitality and catering in action

Cost of food – the price of food products. **Income** – disposable income is the amount of money a family can spend on rent and food. **Preferences** – some prefer sweet or savoury. Enjoyment – eat certain foods for enjoyment. Time available to prepare food – busy **Celebration** – plays an important part for special occasions

8

9

Why do we cook food?

Making it safe – heat fills bacteria, inactivates harmful enzymes and toxins.

To develop flavours – water evaporation, adding sugar – caramelisation and other reactions add flavour.

To improve texture – makes food easier to eat. To improve shelf life – cooking kills bacteria

To increase variety – one product may be cooked in many different ways

Smell – Olfactory system responds to aroma stimuli and sends information to the brain.

Touch – helpful in judging the texture, consistency and mouthfeel of the food.

Evesight – important when presenting food, more appetising, colourful, neat and decorated. Hearing – crunchiness and crispiness indicates its freshness.

Taste –5 tastes – sweet, sour, salty, bitter and umami.

Local and seasonal foods

Characteristic of countries or regions, as well as certain seasons of the year. Fresher, more nutritious and tastier

Empowers local farmers and support local communities

May be cheaper than imported foods Supports biodiversity of specifies



Cooking methods - how does cooking affect food?

Appearance – meats shrink, cakes rise, eggs become solid, sauces thicken, rice pasta increase in size.

Colour - Foods become golden or brown, red and green vegetable may lose colour. Flavour – may become sweeter, more pronounced, rich.

Texture – eggs set, vegetables and meats soften, chips become crunchy, bread becomes crispy, custard becomes creamy, sauces thicken. Smell - is more pronounced because essential oils fill the air and are more easily detected by the olfactory system.

Cooking methods – oil based methods

Deep fat frying – foods become golden and crunchy, but their nutritional value is poor. (loss of vitamins, high fat content) Shallow frying – seals the surface of food and helps to obtain crunchy top and juicy interior. Stir frying - low fat. Helps to preserve nutritional value of food.

Cooking methods – water based methods

Steaming – Helps preserve nutritional value of food. Low in fat.

Boiling – May cause vitamin loss. Low in fat. Simmering- long time required. Causes vitamin loss

blanching - prevents enzymic browning and oxidation, preserves nutritional value. Poaching - deal for preparing delicate ingredients

braising – long time required. Causes vitamin loss

Cooking methods – dry methods

Baking - long time required. Causes vitamin loss. Palatability is improved (cakes and other baked goods become sponge like and often have crispy top).

Roasting - Helps to reduce amount of fat in food. Long time required. Decreases vitamin content. Helps to obtain a crispy skin or surface. **Grilling** – may create harmful substances. Usually low in fat. Dry-frying – Reduces amount of fat n food. Nutritional value is preserved.

Sensorv needs

Sight (appearance of food)

Sound (eg. crispy, crunchy, fizzy)

Smell (aroma of food)



11



2.2.1 Factors affecting menu planning

12

Limited offer/ small variety of foods offered Limited availability/ short time for purchase Depends on weather conditions and local climate

May be more expensive than imported foods Other factors to consider when menu

proposing dishes for menus: Skills of staff, equipment available, time available, type of provision, finance, client base

How dishes on a menu address environmental issues: Danger of carbon

dioxide – production creates carbon dioxide. This creates a layer around the earth which reflects warmth back onto the earth. Average temp rise

Carbon footprint – amount of CO2 and greenhouse gases emitted into the environment. By input, processing and output. **Global warming** – rise in average temperature on earth due to extravagant release of greenhouse gases.

CO2 layer – heat cannot escape – rise in temp – glaciers melt- fierce hurricanes, rainfallcrop failure – food shortage.

Greenhouse gases – vapour, CO2, nitrous oxide

methane, ozone, CFC's, absorb infrared radiation

Food miles – distance from the field to the plate.

Food production – direct and indirect effect on the

environment by creating various pollutants and by causing deforestation.

Packaging – using fossil fuels to produce, tonnes thrown

away, unrecycled creates pollution, animals, birds and

Food availability – climate change affects food availability. Droughts, flood causes crop failure. Therefore no plants to eat and no food for animals.

HOSPITALITY & CATERING YR 10 & 11

Food security – when all people, at any time, have access to nutritious, healthy food in sufficient amount. Seasonal foods – foods which are characteristic of a given season when they ripen and are harvested. Food waste – due to buying or cooking too much, not eating before it goes off. Effect – waste of money, pollution, carbon footprint increased. Prevention – planning, only cook what's needed, store leftovers, prevent spoilage, make compost from left-overs.

Food sources – where and how food is made depends on climate, soil quality, availability of water, resources, availability of land, size of population. Religion, ethical beliefs. Grown – orchards, fields, polytunnels.

Reared – sheds, barns, fish farms

Gathered - in forests, near the roads,

Caught – open spaces and forests oceans and seas.

Sustainable fishing – fishing in natural fisheries limited to certain period of time. Giving the shoal time to reproduce and restore itself. Policy set by the Marine Stewardship Council. Advantages of fish farms – protect the natural ecosystems, prevent overexploitation of fisheries, keep animal welfare standards, protect wild species diversity. Prevent by catch. By catch – accidental catch of a sea organism which wasn't the primary goal of the fishing.

Disadvantages of fish farms – fish tanks often overcrowded, fed low-quality feed affecting their flavour and nutritional value, might be fed antibiotics, increasing risk of antibiotic resistance.

Farming

Organic farming – No chemicals, little or no use of pesticides no artificial fertilisers, no herbicides, no GM feed or seeds antibiotics are only used when necessary. Crop rotation may be applied to preserve soil quality. Animal welfare standards are kept.

Intensive farming – Chemicals such as pesticides, herbicides and artificial fertilisers are used to prevent crop failure. Antibiotics are used to prevent diseases in livestock, not to cure them. GM feed and seeds are used to obtain high –yield crops. Animal welfare standards are often violated. 14

Genetically modified foods

Come from GM animals or plants, or GM

Intensive farming –

Chemicals such as pesticides, herbicides and artificial fertilisers are used to prevent crop failure. Antibiotics are used to prevent diseases in livestock, not to cure them. GM feed and seeds are used to obtain high -yield crops. Animal welfare standards are often violated. Microorganisms are used during production. Resistance to pests and unfavourable weather conditions. More nutrients, e.g. beta-carotene in golden rice. Fewer pesticides and herbicides are used. How menu dishes meet customer needs

Nutritional: The nutritional needs of the customer should be considered carefully (nutritional needs) You should consider when people eat out and the need for healthy eating. You should also consider the different life stages and take these into consideration.

Organelptic: using the senses to assess the qualities of food Appetising: food that appeals to your senses

Cost: this needs to be considered when planning menus

Planning production of dishes for a menu -Sequencing, timing -Production plan 2.2.2 How to plan production When you have decided on your menu or choice of dishes the writing of the time plan is the next difficult concept. The following method is a successful way of working out a time plan. Although it takes a lot of time to start with it ensures no stages are missed out. Go through each dish and list the stages in making each one from mise en place through to serving. Number each stage as shown.
You then need to 'dovetail' (fit together) each stage of each dish into a final time plan. Start with the dishes that need:
the longest cooking time e.g. casseroles or pies
the longest cooling time e.g. cakes that need to be decorated

It he longest setting time e.g. cheesecakes and mousses Finish with the final garnish and serving. Make sure you START and FINISH at the correct times.

Allow at least 10 minutes for final garnish and decoration before serving.

Menu chosen:: Chicken Chasseur Creamed Potatoes, peas and Strawberry Gateau

Time	Order of work	Notes
8.30	Mise en place. Set up table. Collect serving dishes. Peel and chop potatoes. Prepare garnishes and decorations (whip cream, fan strawberries). Chop parsley. Peel and chop onion, dice bacon, chop mushrooms. Tidy table for start.	Refrigerate perishables (chicken and cream). Potatoes in water to prevent discolouration. Light oven Gas 6 or 200C.
9.00	Gateaux- make sponge using whisking method. (Whisk eggs and sugar till think, fold in flour). Divide between 2 tins.	Fold in gently. Bake- Gas 6 – 20 mins.
9.45	Wash up. Put potatoes onto boil, once boiling reduce the heat and simmer. Simmer 20 mins on low heat.	Stir chasseur. Add tsp salt.

Knife Skills – Bridge, Claw, Cross-cutting. Chefs knife, vegetable knife. Cuts - julienne, dice, brunoise Sauce making – Roux, bechamel, reduction, 15 emulsion

Techniques used in food production

Weighing and measuring. Shaping, peeling, whisking, meting, rubbing in, sieving, segmenting, hydrating, blending





ake the chicken out of the packaging and place onto a chopping board. (why are you doing this?)



Place the packaging into the bin immediately. (what are you trying to prevent? Explain

what food poisoning bacteria chicken

might contain)



how to portion a chicken



of the chicken use the knife to cut

through the skin.

Cut through the joint carefully to

separate into two parts

(What is the name of these two cuts of

chicken?

*Thigh

★ Cross Contamination

UNIT 2 Hospitality and catering in action

2.3 and 2.1.2 How to prepare and make dishes

(including 2..1.2 How cooking methods can impact

on nutritional value

Once the bone is reached, use the tip of your knife to find the joint where the thigh meets the main body. Pressing down between the joint, cut through the cartilage and separate the leg from the body.



Following the angle of the breast Cut down one side of the keel bone bone, cut the breast away from the carcass



carcass

Food Safety & Hygiene!

(breast bone)

Ensure all equipment is washed in hot soapy water

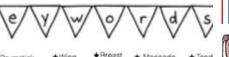
This includes wiping down any surfaces that may have been in contact with the chicken or its juices

Finally, wash your hands thoroughly!

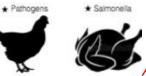
2.3.3 Food safety practices



To separate the leg into two portions, fee the chicken leg, to find the middle joint (Describe what you can feel)



★Breast ★ Marinade ★ Tend ★Wina * Drumstick



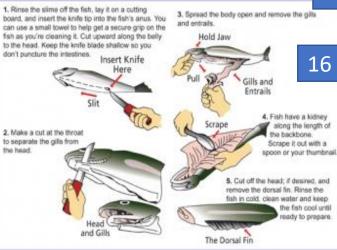
2.4.1. and 2 Evaluating cooking skills

Dish selection – did your dishes show a range of basic, medium and complex skills? Dish production – Did you follow the production of the dish in a logical order in your production plan? Did you have any problems during the production of your dishes? Health and safety – Did you store your ingredients correctly? Did you clear up regularly? Did you use the correct chopping boards? Did you use a food probe? Did you work safely with knives, heat, equipment?

Hygiene – Were you dressed hygienically to work in a kitchen? When did you wash your hands? Did you cover any sores/cuts on your hands? Did you cough or sneeze over the Improvement you could make -

19

food?



management



Commodities: Fish, eggs, vegetables, rice, poultry, meat, cereals, fruit, dairy, soya

2.3.2 Presentation techniques– fanning, waterlily effect, scoring, twists, ribbons, curls, blending, coulis, creaming, cutting and stenciling, glazes, icing, dressings, fluting, foams, glazing, jus, latticing, layering, moulding, piping, shaping









18

and aroma, texture Presentation of your dishes -Appearance and temperature Food and other waste – Food waste and recycled waste Decision making – how the production was planned and carried out Organisation, planning and time

Selection of dishes, organization of

preparing dishes, use of equipment

Organoleptic – Appearance, flavour

your work station, mise en place,