LO1 Understand the environment in which the hospitality and catering providers operate

AC 1.1 The structure of the hospitality and catering industry

- The <u>Hospitality and Catering</u> sector includes: pubs, bars and nightclubs; restaurants; self-catering accommodation, holiday centres travel and tourist services; visitor attractions and hotels. Hospitals. prisons, schools armed forces and social care
- · It has grown over the last 20 years and, despite recession, is predicted to continue to grow .The sector as a whole currently employs almost 2 million people.

Residential hment × P Non Non residentia commercial establishments × × 1 Range of stablishmen **Residential establishments** Hotels Services and Guest houses food provided Bed and breakfasts varies by Farmhouses price Motels charged Holiday parks Some public houses 1 Non commercial establishments Services and food provided Hospitals varies by the Prisons situation and Meals on wheels the needs of Residential care homes the clients. Armed services Not required to make a profit

Non residential establishments

Services and

varies by the

situation and

food

price

charge

provided

Restaurants Fast food outlets Public houses Bars Delicatessens Take away outlets School meals Burger vans

AC 1.1 The structure of the hospitality and catering industry styles of service

Styles of food service

·Depends on

- Type of establishment
- •Type of food being served
- ·Cost of the meal or food
- . Time available for the meal
- Type of customer
- Number of customers
- ·Availability of serving staff

Personal Table service service Cafeteria Plate service

Self service Fast food Take away

Buffet

Carvery

Counter

service

Travel service Family service Trav service Silver service Vending Gueridon service service

AC 1.1

The structure of the hospitality and catering industryhospitality at non catering venues

Contract Caterers

- food for functions such as weddings,
- banquets and parties in private houses prepare and cook food and deliver it to the
- venue, or cook it on site They may also provide staff to serve the
- food, if required Complete catering solutions for works

Planning menus

canteens etc.

- · Who is the event for ? Eg mixed ages, children, teenagers
- How is is going to be served? Eg hot buffet, plate service, finger food, sit down meal What are the special requirements? Eg
- vegetarians, non spicy food, traditional meal What foods are appropriate for the event? Egg
- wedding, Christmas meal, seasonal foods How much is the price per head? Eg cheap and cheerful, full gourmet experience, buffel

AC 11 The structure of the hospitality and catering industry-Standards and ratings

Benefits of ratings?

- · A good establishment could see an increase in business from people wanting to try the food
- · It generates publicity for the establishment. · Customers might come from further away to
- dine · Customers can identify less good

ood hygiene ratings is a ifferent topic altogether.

establishments



AA Rosettes & Stars



THE RESTAURANT GUIDE 2016

***** five star

- · Excellent staffing levels with dedicated teams with management levels.
- · Exceptional levels of proactive service and customer care. · All areas of operation should meet the Five Star level of quality
- for cleanliness, maintenance, hospitality,
- · Hotel open seven days a week all year.
- · Enhanced services offered e.g. valet parking, escort to bedrooms, '24-hour reception, 24-hour room service, full afternoon tea
- · At least one restaurant, open to residents and non-residents for all meals seven days a week.
- · Minimum 80% bedrooms with en suite bathroom with WC, bath and shower
- · facilities e.g. secondary dining, leisure, business centre, spa,
- · At least one permanent luxury suite available, bedroom, lounge and bathroom)

"The prix-fixe lunch for S2 was not much of a deal Poor reviews with food that was as insipid as unwaxed denta · What could this do for their reputation? · How could they address EATER An amuse bouche brings a ve bee todgy croquette, the size ind colour of a cat's turd, on a thick tomato purée ful f metallic tang." Good Food Guide 65 Members of the general public who have visited the establishment fill in a review which is compiled into a guide. THE GOOD Award points for excellence





There are a number of online review sites where anyone can post their reviews of an yelp with a large number of reviews, a restaurant's FIFTFITTTT average score is likely to be reasonably

Online review sites

There are guidelines to clamp down on

establishments that give away freebies for a

00

0 OpenTable good review or give themselves good reviews



Square Meal.

Suppliers

- Hospitality and catering establishments usually need to purchase supplies in large quantities.
- From glassware to custard powder to meat to bed sheets and bathroom soap.
- Establishments use wholesalers and specialist markets where the price charged for large quantities is lower and the VAT is calculated by the establishment so not added to the cost.





- - Restaurants

night.



****four star

higher quality of service levels in all departments and in general higher staffing levels; as well as a serious approach and clear focus to the food and beverage offering

· All areas of operation should meet the Four Star level of quality for cleanliness, maintenance and hospitality, residents should have 24 hour access, facilitated by onduty staff.

24 hour room service, including cooked breakfast and full dinner during restaurant opening hours

services offered, e.g. afternoon tea, meals at lunchtime At least one restaurant, for breakfast and dinner seven days a week

· All bedrooms with en suite bathrooms showers.

Wi-Fi or internet connection provided in bedrooms.

*** Three star

- · All areas meet the Three Star level of quality for cleanliness, maintenance and hospitality
- · Residents have access at all times during the day and evening Dinner served a minimum of six evenings a week with bar snack or equivalent available on seventh
- · Room service as a minimum of hot and cold drinks and light snacks (e.g. sandwiches) during daytime and evening
- · All bedrooms with en suite bathrooms.
- · Internal or direct dial telephone system required
- · Wi-Fi available in public areas.

* one star

· minimum of five bedrooms.

· All bedrooms with en suite or private facilities.

· guests have access to the hotel at all times.

·Proprietor and/or staff on site all day and on call at

·A dining room, restaurant serving a cooked or continental breakfast seven days a week.

•A dining room, restaurant serving evening meals at least five days a week

·A bar or sitting area with a Liquor (alcohol) Licence. ·Hotel open seven days a week during its operating season

•Proprietor and or staff available during the day and evening to receive guests and provide information · A clearly designated reception facility



AC 1.1 The structure of the hospitality and catering industry- suppliers to hospitality and catering

Advantages	Disadvantages
 Large choice of commodities Several suppliers at the market means costs are kept down by competition Supplies are always at their freshest New supplies in every day 	 May not be easy to get to eg London Work through the night and close early in the morning Costs of transport back may be expensive Purchaser has to judge quality for themselves before they buy

Local suppliers

Advantages Disadvantages Local deliveries, less May not have a wide environmental impact selection May use local farms and Smaller companies buy in companies for smaller quantities so costs commodities more Smaller firms, personal May not be able to supply business relationship large orders May be able to change order at short notice

Advantages	Disadvantages
 Very large range of	 May be expensive for
commodities and sundries Can have in house	made foods Have to order well in
butchery department Pre made and pre	advance Set delivery days Have to order large
portioned food Large bulk packaging of	quantities to get a
ingredients	discount

Frozen foods suppliers



Barmen/maids

Kitchen

Head chef

Sous chef

Chefs de partie

Commis chef Kitchen porter



Chambermaids

Front-of-house staff

Receptionist

Porter /concierge

Supervisors

Waiters

Wine waiter

LO1 Understand the environment in which the hospitality and catering providers operate A smaller establishment may have one manager in overall control of the day to day running. A larger establishment may have several managers each responsible for a different Job roles in the Hospitality area of the business. Eq and Catering industry Food services manager · Head chef

- Bar manager
- Office manager
- Maintenance/housekeeping manager

Sous chef

- · The Sous chef (sous=under in french) is directly in charge of food production, the minute by minute supervision of the kitchen staff, and food production
- A sous chef will also have many years experience in all stations of the kitchen and level 4 qualifications gained over years of study.
- this role is more kitchen based than the head chef which may have office based duties as well

Other areas- Chefs de partie

Poisonnier-fish Legumier-vegetable accompaniments Potager - soups Boulanger - bread and baked goods Boucher - prepares meat and charcuterie Glacier - chilled and frozen desserts Friturier - fry chef Grillardin - grill chef

The pastry chef is responsible for the

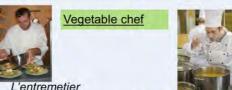
preparation of baked goods such as pastries, cakes, biscuits, macarons, chocolates, breads and desserts .special occasion cakes. In larger establishments, the pastry chef often has team in their own kitchen

Commis chef le commis

Chef in training, helps in all areas of the kitchen to gain experience, and complete training, answers to the chefs de partie for the section they are working on

Kitchen assistants

Kitchen assistants carry out a range of jobs including washing up, fetching and carrying preparation of vegetables and ingredients. They could be training to be a commis chef



Prepares hot appetisers and often prepares the soups, vegetables, pastas and starches, side dishes Sometimes split into soup (le potager) and vegetable (le legumier) chefs



Le Saucier

Prepares sauces, stews and hot hors d'oeuvres and sautes food to order, After the head chef and the sous chef the sauce chef is the next in line





Le garde manger Responsible for preparing cold foods, including salads, cold appetisers, pates and buffet items

Restaurant manager

- The restaurant manager is in overall charge of the restaurant,
- · Takes bookings, relays information to the head chef, completes staff rotas, ensures the smooth running of the restaurant

Maître d'Hôte



Managers responsibilities

Depending on the size of the establishment, management responsibilities may include the following

- · Dealing with complaints
- · Setting budgets and monitoring spending
- · Ensuring that wages are paid
- · Complying with legislation
- · Setting staff rotas
- · Interviewing applicants for jobs
- · Setting standards of service

Patience, tact and diplomacy

You need to be sensitive when dealing with others who have difficult issues, when solving problems or dealing with complaints. Always answer politely and make sure the customer is happy. Eg if they ordered a steak medium and then say it is undercooked even if it is medium

Team player

Hospitality jobs need people to be team players and communicate effectively and correctly with their co workers to ensure the smooth running of the establishment.

Personal presentation

Workers must have good standards of personal hygiene, tidy appearance and good posture . Smart dress, tidy hair and non visible tattoos give a good impression of the establishment

Honesty

When dealing with serving drinks and taking payments as well as other working situations you must be honest and transparent with your job. Telling the truth if something happens and being honest with money are essential

Initiative

Being able to work on your own initiative is a very important quality, anticipating customer needs and solving problems, if something spills , clear it up without having to be told, if a customer is looking unhappy with their food ask if everything is ok

Self motivation

Being self motivated means trying to do your best, not having to be constantly asked to do things, being at work on time, making sure things are done even if it was not your duty

LO1 Understand the environment in which the hospitality and catering providers operate

AC 1.3 working conditions across the hospitality and catering industry

Employers want to employ most workers when they have busy times

Time of day

Lunchtime

· Afternoon

Dinner time

· (breakfast)

Busy times of year: Christmas

- Tourist season School holidays
- · Mothers day Days of the week
- valentines • Friday
 - · Saturday
 - Sunday
 - Pay day

Working hours

- · Hospitality and Catering jobs tend to be long hours, early starts for breakfast in a hotel to late nights for dinner in a restaurant.
- · Staff will still get 2 days off a week but it will be quieter days instead of the weekend
- · Shifts could be 6-3. 11-6. 3-11 or other hours.
- · Monthly salaried staff may not have set hours eg Head Chef who might work from early morning to late night every day

Contracts of employment

Full-time staff = over 36hrs a week

- Have permanent jobs and work all year.
- · Contract explaining the terms of their employment · They may work set shifts or have shifts that
- change daily/weekly/ monthly. · They will work a set amount of days over a 7 day week, including weekends.
- · Entitled to sick pay and holiday pay
- · Entitled to maternity pay

Contracts of employment

Part- time staff = 4- 16hrs a week

- · Have permanent jobs and work all year.
- · Contract explaining the terms of their employment.
- · They may work set shifts or have shifts that change daily/weekly/ monthly.
- · They will work mostly at the busiest times of the
- day/week including weekends. Entitled to sick pay and holiday pay (in proportion)
- · Entitled to maternity pay

Contracts of employment

- Temporary staff Employed for a specific length of time such as the summer tourist season or the month of December.
- · Temporary staff have the same rights as permanent staff for the duration of their contract.
- Temporary staff employed for longer than 2 years become permanent by law

Casual staff / Agency staff

Christmas or for weddings, New years eve.

work for specific functions and can be employed through an agency. They do not have a contract or set hours of work. They are needed at busier times of the year e.g. At

Full-time and part-time employees must have ONTRA PAYSLIP

Full-time and part-time employees must have

- 1. a written statement of employment or contract setting out their duties, rights and responsibilities
- 2. the statutory minimum level of paid holiday 28 days for full time workers 3. a pay slip showing all deductions, eg National
- insurance, tax . Earning above £155 a week 4. the statutory minimum length of rest breaks- one 20
- min break for 6 hrs worked 5. Statutory Sick Pay (SSP) £88.45 pw for 26 weeks (some may get full wages for a limited amount of
- time) 6. Maternity, paternity and adoption pay and leave-90% of earnings for 6 weeks then £139.58 for next 33



Conditions for workers

- · Provision of uniform Optional overtime · Working hours
- Meal allowance Pension
- · Minimum wage

Pay

Role

Hotel manager

lead chef

Bar manager

Sous chef

Pastry chel

Duty manage

Waiting staff

Chef de partie

Bar staff

BAR STAFF

Restaurant mana

- · Training adequate to job
- · Equal opportunities recruit, promote, train
- · Health and safety a right and a responsibility

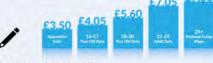


Legislation that protects workers

Part-time workers Regulations 2000



The National Minimum Wage



Monthly salaried staff

Work fixed hours or shifts eg; managers, receptionists, housekeepers Hourly paid staff

Hours of work vary day to day ,paid for the actual hours they work either at the end of a shift or weekly eq: waiters, kitchen assistants

Paid Annual Leave

All workers are entitled to 28 days paid leave annually

no legal right for employees to be given Bank and Public Holidays. Most hospitality staff would work these days

To calculate holiday entitlement,

Multiply the full-time entitlement (28 days) by the number of days worked and divide by the number of days full-time staff work



Compulsory Rest Breaks

·Adult workers are entitled to 24 hours off in each 7 day period and young workers (15-18) are entitled to 2 days in 7. Adult workers are entitled to at least 20 minutes uninterrupted rest if their working day is longer than 6 hours.

 Young workers are entitled to 30 minutes rest if their working day is over 4.5 hours



Benefits of portion control

Keeps the food costs down Keep losses in food preparation and serving to a minimu

- · Offer a consistent portion to
- customers
- Minimise wast ea leftovers

long.

- To make a profit
- which is constant

AC 1.4

Factors that affect the success of Hospitality and catering providers

Reasons for failure

- 1. A saturated market there is a fine line between competition & too many for the number of customers
- 2. General business incompetence 46% of business fail due to lack of business knowledge
- 3. Lack of capital not enough money to get through the first few months
- 4. Location either not enough people walk past (foot-fall) live & work nearby
- 5. Quality of life most restaurateurs work 60 hours a week - not the glamorous life they thought
- 6. Lack of industry experience most successful restaurateurs tend to have previous industry experience

Factors affecting success

Trends healthy food options, pop-up bars, cafes and restaurants, cronut, clean eating, low carb, good fats,

Political factors - Increasing regulations - from government due to health issues, Brexit, use of migrant labour, migrants - ethnic foods

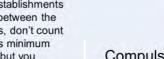
Media - Strong global brand, Good community reputation - children's charities / Ronald McDonald House, celebrity chefs, celebrity endorsements, Masterchef,

Reasons for failure

7. Failure to create a good enough brand -They did not incorporate the 12 Ps of restaurant branding,(Place, Product, Price, People, Promotion, Promise, Principles, Props, Production, Performance, Positioning and Press)

- 8. Name of the restaurant is too long. A restaurant with a name that is brief, descriptive and
- attractive is more likely to succeed.
- 9. Lack of differentiation -
- the brand is not different enough
- 10. Poor financial controls -
- Main costs labour and food exceeded 60% of sales

Entitlement for 3 days a week: 28 x 3/5 = 16.8 days



Costs - need to make a	profit. Consider cost of
everything you buy and s	selling price.
Material - Anything inv	olved in making product
Labour - Costs of staff	
Overheads - Anything making products	not connected with

business have lower sales as consumers eat out less because they have less disposable income Environment - 3 R's, packaging, food waste, global warming, carbon footprint, clean eating

Factors affecting success

Technology - Using technology to improve service, delivery and stock control - touch screen customer ordering, EPOS systems, stock management, apps for delivery services

Emerging and innovative cooking techniques - sous vide, clean eating, steaming, new restaurants, Customer demographics and lifestyle - delivery services Facebook Twitter

Customer service-customer satisfaction - free WiFi. order online

Competition - Low cost food (£1 menu, coffee McDs espresso v Starbucks)

What is portion control?

· Portion control is the amount of each menu item that is served to the customer · It depends on the type of customer, the type of food served.

· some foods are served in very small portions due to the high cost of the item eg caviar is served by the teaspoon

Costing recipes

In order to calculate selling price and profit for dishes you need to calculate the recipe cost Pack cost X weight used Ingredient cost =

Pack weight

Divide by the number of portions made for the portion cost

Selling price

Selling price =

Portion cost

X 100

Materials costs Soap, loo roll, Menus Order pads Cleaning materials flowers

Food costs Inaredients Pre made foods Bar food and drink Food and drink for staff

Costs for an establishment

Overhead costs Heating, lighting Furniture Maintenance of equipment Curtains, carpets

Personnel costs wages Chefs Kitchen assistants Bar staff Waiting staff Managers Casual staf

AC2.1 Describe the operation of the kitchen

- · lavout:
- work flow:
- operational activities: · equipment and materials;
- · stock control;
- documentation and administration;
- staff allocations:
- dress code:

Kitchen workflow

Workflow in the kitchen should follow a logical process by using different areas so that the clean stages in food production never come into contact with the "dirty" stages





Organising the kitchen into separate areas for separate jobs is the heart of hygienic kitchen design. The e layout will depend upon the size of the kitchen as well as on the type of meals it prepares.

Delivery

Ensure vehicles have access to the premises Space for a goods check in area before entering the kitchen

Storage

Store close to the delivery area so delivery personnel do not enter the food preparation areas Bulk suppliers may have minimum orders which need a lot of storage

Food preparation

- · Food preparation area should be between storage and cooking areas
- Separate different processes eg raw meat separate from pre prepared foods.
- Separate high risk food area
- · Need sinks, pot wash facilities and hand washing If separation by area is not possible, then do a preparation before cleaning down for cooking

Cooking

- · Consider requirements of menu and ability of sta · Flow must suit style of service eg fryers and grill: near to point of service for fast cooking and bulk cooking further away
- Need worksurface beside cooking equipment so there is somewhere to put foods down
- Gas and electric supply near to cooking equipment



Holding

- · Needs to be near food service area Hot holding needs food to be over 63C
- · Cold holding in chillers eg desserts

Food service

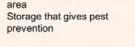
- · Should be located close to the cooking process so handling is minimised
- Area for plating up if A la Carte restaurant Replenish food during service for buffets and counters

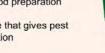
Washing up

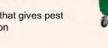
- · Space for sinks and dishwashers
- · Area for dirty items before washing and for clean items after washing needs to be segregated to
- prevent cross contamination · Ventilation to remove steam

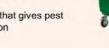
Waste

- · Try to keep separate from food preparation
- area









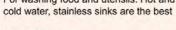
Hygienic kitchen design

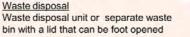
Ventilation

Sinks

Effective ventilation system to remove the heat, steam and condensation from the kitchen. Bacterial growth in moist conditions

For washing food and utensils. Hot and



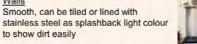


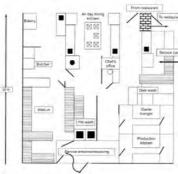
Hygienic kitchen design

Work surfaces Must be strong, hard wearing and easily cleaned Stainless steel with wheels that can be moved out of the way while

cleaning Floor Hard wearing, easy to clean , non

absorbent and non slip Coving with the walls prevents dirt and food particles from accumulating Walls







Stock control

Perishable food and products that do not stay fresh for very long

- · Fresh fruit, vegetables
- · Dairy products
- · Meat and fish
- · Only buy enough to last a few days



Stock control

Staple foods and supplies that are canned, bottled, dried or frozen

These have a longer shelf life and so do not need to be purchased as frequently. Larger

amounts can be bought to get cheaper prices and can be stored

- · Condiments,
- · Canned vegetables · Frozen foods including meat, fish and
- deserts
- Sauces
- · Flour, sugar, fat,oil
- FIRST IN FIRST OUT stock rotation

Documentation and Administration

HEINZ

C THE

Chef's uniform

· Chef's jacket

· Chef's pants

Neckerchief

Hand towel

· Slip-resistant shoes

• Hat

Apron

STAPL

- Complete kitchen documents:
- · They must be legible (readable)
- · At correct interval (daily, hourly)
- · Completed accurately
- · They must be signed and date.

Where do you get kitchen documentation from?:

- Purchased from stationers · Designed in-house
- · Central purchasing

Documentation and Administration

- Types of Kitchen Documents
- · Temperature charts fridge, freezer, display, point of sale. Taken at least twice per day.
- Time sheets logging staff working hours
- · Accident report forms used to report any accidents and near misses
- · Food safety information blast chill records, food related incidents and cleaning rotas
- · Equipment fault reports What was the issue and how was it dealt with
- · Stock usage reports- order books, stock control sheets, requisition books, invoice, delivery notes

Documentation and Administration

Establishments have a legal responsibility to work safely and hygienically. Records kept to prove this and in case of due diligence proof

Importance of documentation

Maintaining organisational procedures

Complying with food safety legislation

Some information is confidential or sensitive ie staff personal information

Sous chef

Larder

chef

Traditional staff structure in

Kitcher

Chefs de parti

Kitchen Dress Code

A chef's uniform is more than a fashion stater Each component plays a specific role in prote from potential dangers common in most kitchens

Hotel Manag

Restaurant

There is a legal requirement under the data protection act to store this type of information securely

The kitchen brigade

Head che

Commis chef

Sauce

chef

Vegetable

Kitchen porter

AC1.2 fo

Housekeeping

ont-of-house staf

chef

Ensuring accurate payment of bills

Ensuring profitability of kitchen

Complying with accounting and taxation practices

Safety of staff and customers

- 1. Temperature charts
- 2 Time sheets

LO2 Understand how Hospitality and Catering provisions operate

- 3. Accident report forms
- 4. Food safety information
- 5. Equipment fault reports 6. Stock usage reports.

Why must they be completed?

Legal requirements

Pastry

chef

Kitchen assistant

hotel

Bar

Head bar pers

2.

3.

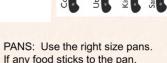
AC2.1 small and large equipment



5.cut with a slicing action ie forwards and backwards.

yourself accidentally

screwdriver!



If any food sticks to the pan, soak in water

TEFLON lined pans: Avoid scrubbers which scratch, steel spoons and slicers as they cause the items to loose their non-stick quality always use a wooden spoon.

> BOWLS / DISHES Use the right bowl for the dish. Wash and wipe dry after every use.

WHISKS special attention should be paid to where the wires meet at the base.Do not bang

SIEVES / STRAINERS / COLANDERS: Wash immediately after every use

Kitchen dress code

Where an item of clothing is for personal protection while doing the job then the employ must provide it free of charge



WOODEN : Scrub with a brush & hot water. Dry thoroughly. If items are left wet, cracks can appear. Do not use broken wooden spoons as it can leave shavings in the food.

PLASTIC: Jugs, etc should not be kept near direct heat as it can discolour or melt

AC2.1 small and large equipment

LO2 Understand how Hospitality and Catering provisions operate

AC2.2

Handling small equipment:

1) Do not apply too much pressure while handling these equipment as they can break easily.

2) Always wash and wipe well after each use personally. Do not put these in the wash up area as it can be misplaced or broken.

3) Keep in the correct and safe place of the kitchen for the others to use.

Large Equipment

Depending on the type of establishment the equipment may be similar size and type to domestic equipment or larger scale for mass catering All pieces of equipment are used more than domestic kitchen ware so need to have the following qualities

- · Hard wearing
- · Easy to store
- · Easy to clean
- · Economical to use
- · Suitable size for establishment

Large Equipment

	Domestic	Catering
Finish	Decorative	Plain
Materials	Plastic	Metal
Size	Small	Large
storage	Stored in cupboards	Kept out to use

Mixing



Frying





Baking

Toasting



GENERAL SAFETY PRECAUTIONS

- 1) Equipment must be turned off before cleaning.
- 2) Use correct cleaning materials.

3) Any specific instructions should be observed. 4) After cleaning, washing & drying the equipment & parts thoroughly reassemble and check that it is ready for use.

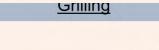
5) Any attachments should be stored correctly. 6) Ensure there is no particle of food left in the equipment, or else it can contaminate other foods when the machine is next used.

7) In the event of equipment not working satisfactorily, do not ignore it; report the fault

00000

OVENS/HOBS

- · Avoid spills and water, it can lead to a short circuit To clean switch off electric
- supply. Do not use more water than necessary. Clean thoroughly and remove parts that can be
- cleaned separately & fit them correctly. Dry thoroughly when cleaned.



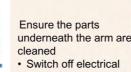


Ensure the tray beneath the bars are clean. Switch off electrical supply and clean the bars thoroughly, as wel as the top.

Do not clean when hot.

MIXERS

GRILLS/ SALAMANDERS



supply and clean the blade/whisk thoroughly, as well as the top.

 Do not clean when moving

FRYERS

- · Check the level of oil is above the heater coils.
- in the oil.
- Do not overheat the oil. · When cool, drain off the oil into a container
- containers & wash
- thoroughly. · Rinse & dry well. add
- clean oil.

Making coffee



HOT PLATES

- · Avoid spilling water on surface
- switch off parts, which are not being used.
- Cool hot plates before cleaning the sides with a wet cloth and detergent.





Describe the operation of front of

Food service

Food can be served in many ways. The type of service depends on the following factors:

- . The type of establishment or where it is
- . The type of food or menu being served The cost of the meal or food
- . The time available for the meal
- . The type of customer
- . The number of customers expected . The availability of skilled serving staf

Counter service		
Method	Description	
Cafeteria (free flow)	A single long display counter but can sometimes be multiple counters	
Buffet	 Set up in a room usually along one long table. It can be self service or staff can serve customers. Carvery service is where joints of meat are carved in front of customers and plated 	
Fast Food	Takeaway with eat-in areas where customers collect food from one small counter	

· Avoid spilling any water · Lift up coils and take ou



Restaurant manager

- · The restaurant manager is in overall charge of the restaurant.
- Takes bookings, relays information to the head chef, completes staff rotas, ensures the smooth running of the restaurant

Head waiter (ess)

- · Second in charge of the restaurant,.
- · Greets and seats customers, relays information to the staff.
- Deals with complaints and issues referred by

Maître d'Hôte



Wine waiter

- Le sommelier
- · Specialises in all areas of wine and matching food, advises customers on their choices of wine.
- Wine waiters serve the wine to the customer and can

Comments

- · Queuing is often required
- · It can be fast so can produce a high turnover
- · A simple, basic experience for customers
- There can be impulse buying from displays
- · Low skill of serving staff
- · Creates a more informal function than plated or silver service meals
- · It can be fast and simple
- Poor portion control
- Needs efficient clearing away of crockery .
- · A quick and simple method of service
- · Can be a very high turnover of food
- · Often a limited choice of menu
- · Use of disposable packaging and utensils because of the type of food and service

LO2 Understand how Hospitality and Catering provisions operate

Method	Description	Comments
Plate	 Pre-plated meals from the kitchen Can be a basic plated meal or a decorated nouveau cuisine style 	 From café's to luxury restaurants Good portion control methods Consistent presentation of food Relies more on skilled kitchen staff than the skill of serving staff Time consuming for the kitchen
Family	 Dishes are put on the table where spoons are provided and the customers swerve themselves. Suited to ethnic restaurants such as Indian, Chinese and Spanish tapas 	 Sociable Less portion control Easy and quick to serve Suits families with young children Needs big tables to fit all of the dishes on
Silver	 Food is served by the staff using spoon and fork 	 A more personal customer experience Can be slow service Portion control may fluctuate Staff costs are high as it needs more serving staff
Gueridon	 Food is served from a side table or a trolley using a spoon and fork Sometimes dishes are assembled or cooked in front of the customer 	 Very high staff and menu costs

Personal service

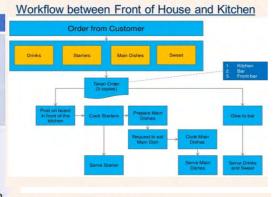
Table service

Method	Description	Comments
Tray or Trolley	 An assembled meal provided or a choice of food and drink from a trolley 	 Available where needed Trays are used in airlines, hospitals and hotel rooms (room service) Trolleys are used in offices, airlines and trains
Vending	Sold from a machine	 24 hour service if required Drinks, snacks and meals can be offered including hot meals
Home Delivery	 Delivered to house individually or on a round 	 Usually Ethnic such as Indian and Chinese. Also 'Meals on Wheels'

Waiting staff

- Serve customers, clear and lay tables, check the customers are satisfied with the food and service.
- May give advice on choices from the menu and special order foods





Equipment and Materials

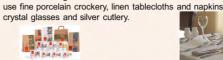
Use and care of hand equipment:

- Choose cutlery carefully plain cutlery is easier to clean than patterned cutlery and stainless steel cutlery resists scratches.
- Cutlery should be stores carefully to avoid scratches and marks.
- Glassware should be washed, stored and handled carefully to avoid breakages. Cutlery should be dishwasher proof.
- Cutlery should be stacked carefully and covered if
- possible to prevent dust and germ settling.
- · Store linen, same sizes together in a cupboard away from dust

Equipment and Materials Hand Equipment

This includes the crockery, cutlery, table linen and glassware used to lay tables, as well as serving equipment and the tables, chairs and sideboards found in food service areas.

The type used will depend upon the type of menu and service offered, the cost, and the washing up facilities. Many fast-food restaurants use disposable items and have easy to clean tables. High class restaurants on the other hand, may



Equipment and Materials

Powered Equipment A wide range of powered equipment is used in food service areas. This includes hand-held credit or debit payment facilities, coffee machines, toasters, vending machines, flambé trolleys and hot and cold service

EPOS (electronic point of sale) can be used to send orders from the restaurant and bar to the kitchen and reception – this assists staff with the customers bills



Equipment and Materials

Use and care of powered equipment

- · All electrical equipment must be checked for safety every year • All equipment on view in a food service area should be
- The temperature of hot and cold food service areas should
- be monitored daily · Coffee machines should be kept clean at all times and
- serviced regularly

Task Find out how EPOS works

Record keeping – administration



Stock control

Monitor stock levels for re ordering Decide frequency of stock check First in First out for items with a shelf life Stock level checks could be for · Wines · Spirits · Coffee Order pads . Garnishes

- Cutlery .
- Crockery
- Drinks in bar area Nuts, breadsticks
- Other consumables

Personnel records

· Hours worked

- · Personal details
- · Wages

.

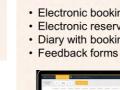
- Taxation
- National insurance
- Training
- · Accidents
- Staff rotas and timetables

Personnel Record

Health and safety, hygiene

- Fire certificate
- Staff training records
- Accident book Food hygiene checks
- Cleaning checks
- First aid records









Purchasing			-		2
		BE 11 Jan Joan E Dari Bearin Long Ward By Non York, 57 YOR	SAP 13 Jame Soale BM Lauregen Association BM Place Mar York, NY 1555	NUDELA NUDELEATE PEA DIE DATE	NORMA TRADEW TRADEW Defective
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Staff allocation

The restaurant manager coordinates all activities at the restaurant.

The restaurant manager must define the tasks that staff must perform Consider

- · The size of the restaurant, • Flow of customers, type of clientele and
- · Menu offerings
- · Different skills and personnel requirements related to changes of volume and customer preferences.

Staff allocation

Each employee must have a Clear job description which enables the restaurant manager to ensure that the duties assigned to staff members do not overlap and to control staffing costs

The restaurant manager allocates the number of personnel to shifts according to the demand forecasts for the day.



Staff allocation

A restaurant that experiences peak and slow seasons has a different staffing schedule than one with a steady flow of customers throughout the year. The restaurant manager determines whether to hire temporary workers supplement the permanent workers when the season is at its peak



Bookings and reservations

- · Electronic booking system
- · Electronic reservations system
- · Diary with bookings and reservations

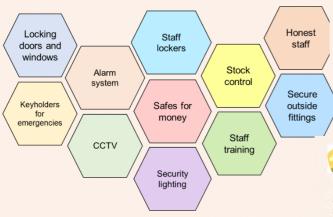




Uniform / dress code

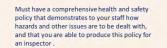
- · Some establishments have staff wear the same uniform; this makes them easily identifiable for staff and customers. The uniform may change depending on which area of the establishment they work in.
- Protective clothing as part of a uniform must be paid for by

Safety and security



Health and safety

All businesses should carry out a regular health and safety risk assessment. This involves looking at your business and identifying potential hazards that may affect staff or members of the public. Your risk assessment should tell you whether you are doing enough to mitigate these risks.



Health and safety

As there are risks to the public ie customers of the establishment as well as staff. the establishment should have both public liability insurance and employers liability insurance. As well as complete risk assesments for the public aroas of the



Describe The Front of House Operation

Task = Design the front of house operation for a new café that is opening in your town. Incorporate the; style of the restaurant and work flow, equipment and materials needed, how you will control stock, documentation used, staff allocation and dress code and safety and security.

= Visit a local café (or watch a you tube clip) describe the operation layout and work flow, equipment and materials needed, how you will control stock, documentation used, staff allocation, dress code and safety and security.

ee AC3.

AC2.3 explain how Hospitality and Catering provision meets

customer requirements

Customer		
•	leisure	
-	loisure	

- business/corporate local residents
- Requirements

· customer needs, expectation

- customer trends customer rights, equality
- Types of establishments-recap

Non-commercial

*Hospitals

*Prisons

*Care homes

*Armed services

Commercial

*Hotel *Bed and breakfast Residential *Guest houses establishment *Holiday parks *Café *Pub *Restaurant

*Fast food outlets (food only) *Take away outlets Food trucks

Types of customer

Leisure	Local residents	Business / corporate
Customers who visit the establishments in their leisure time e.g. a meal with friends, a family day out, tourists,	Customers who live in the local area who visit the establishment often eg regular Sunday lunch, or get togethers	e.g. business lunches. Use business facilities in establishment for meetings or presentations. Courses and conferences

Business customers requirements

- · Dedicated corporate (business) contact at

LO2 Understand how Hospitality and Catering provisions operate

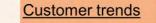
- establishment Discounted rates
- Meeting rooms
- · Water, juice on tables
- · Presentation equipment, projector, tv,
- · Office facilities- printer, phone, fax, internet, statione
- · Tea and coffee for breaks
- · Lunch or other meals- buffet or restaurant
- Accommodation if attendees are from a long distance
- Quick service for lunch meetings

leisure customers requirements

- · Value for money
- Good facilities
- · Families want child menus, play area, child friendly
- Tourists want local food, easy to communicate
- Older people may want more formal service
- Good customer service Varied choice of menu
- · Dietary needs eg allergies, intolerances, vegetarian catered for without having to ask for special foods · Facilities for physically impaired customers

local customers requirements

- · Value for money
- good standard of customer service so they return
- · Catering for local needs (culture, religion) Consistent dishes served
- Loyalty schemes
- Recognised by staff- feel welcome
- · Menu specials
- · Theme nights
- OAP discount day
- · Child friendly
- Entertainment
- · Mailing list or email for special offers



- Customers are influenced by
- TV
- Magazines · Health
- Travel abroad
- Technology
- · Ratings and reviews

"Delish! " ()()()()()) Reviewed 2 weeks app Nice and cozy restaurant with super friendly staff. They made deli tasting mohito. Loved it!

nizza and orea

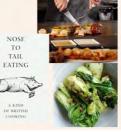
Latest trends 2016-17

- · Traditional foods served new ways
- · Authentic ethnic food eg Korean, Mexican, In · Less sugar in foods
- · Use of nuts and seeds and plant milks
- · Clear lists of ingredients on menus
- Increased use of spices



Latest trends 2016-17

- · New ways of cooking, barbeque, teppenaki · Nose to tail - using less conventional parts of animal so
- none is wasted
- Premium local foods
- Food truck style dishes
- · More vegetable dishes



Why is customer service so important in the hospitality industry?

Customer service is what an establishment does in order to meet the expectations of their customers and generate customer satisfaction

- · So customers return.- People will not return to a place where they were not satisfied with the service. Repeat business means a successful business.
- · Exceeding expectations-This makes repeat business more likely
- · Growth of the business- If customers receive a high standard of service ad return, they will spend more money and also tell other people about the business

What is good customer service?



Types of c	usioniei	
eisure	Local residents	Business / corporate
Customers who visit the establishments	Customers who live in the local area who visit	e.g. busine lunches. U business

Customer rights.

- · The right to be protected (against hazardous goods)
- · The right to be informed (about quality, quantity, allergies etc)
- The right to have their complaints be heard
- · The right to seek redressal (compensation.)
- the right to receive satisfactory goods that match their product description





Consumer Rights Act

Food Safety Act

•A restaurant hasn't kept my booking, can I claim compensation? When you book a table, a restaurant has a contractual obligation to provide it. If it fails to, you may be entitled to compensation. •Do I have to pay a service charge if the service is poor? If

you go out for a meal and receive poor service you have rights that protect you from having to pay any service charge.

 I got food poisoning while eating out, can I get my money back? Under the Consumer Rights Act, you can claim compensation or a refund if you get food poisoning from a restaurant.

I had poor quality food at a restaurant, should I have paid? You have a right to expect food of satisfactory quality and 'as described' on the menu. If it is not, you shouldn't have to pay for it.



(a) Explain how the accessibility in this hotel will meet the needs of the James famil

(b) Explain how the free Wi-Fi service in this hotel will meet the needs of the James family.

AC3.1 personal safety responsibility

Abbreviation	Full name
HASAWA	Health and safety at work act 1974
RIDDOR	Reporting of injuries diseases and dangerous occurrences regulations 1995
COSHH	Control of substances hazardous to health regulations 2002
PPER	Personal protective equipment at work regulations 1992 http://www.hse.gov.uk/pubns/indg174.pdf
MHR	Manual handling operations regulations 1993

Health and safety at Work Act 1974

- · This act covers all aspects of health and safety at work
- · All employers must take care of their own health and safety and not endanger others.
- The health and safety executive (HSE) exists to protect peoples health and safety by ensuring risks are properly controlled.
- · HASWA also protects other people from risks to their health and safety arising out of the activities of people at work.
- · The law applies to everyone at work and anyone can be prosecuted if they do not act safely

Duties of employers HASAWA

- To protect the health, safety and welfare of staff
- Carry out risk assessments
- · To provide and maintain safe equipment and safe systems of work
- · Safe use, handling, storage and transport of articles and substances
- Provide a safe workplace with a safe entrance and exit · Provide information, instruction, training and
- supervision on how to work safely Provide a written safety policy

Duties of employers HASAWA

- Make sure there are toilets, places to wash and drinking water for workers
- Make sure that there is first aid provision
- Provide PPE for jobs if needed
- · Have insurance to cover injury or illness at work · Ventilation lighting and emergency exits
- provide a health and safety law poster entitled "Health and Safety law: What you should know" displayed in a prominent position and containing details of the enforcing authority.

Duties of employees HASAWA

- To take care of themselves and others
- · To follow safety advice and instructions
- · Not interfere with any safety device
- To report accidents





 The H.S.E employ Health and Safety Enforcement Officers who will inspect safety procedures being used.

H.S.E Health and Safety Executive.

• H.S.E stands for the Health and Safety Executive.

. The H.S.E will investigate any complaints and safety

incidents.

- They have the power to serve notice and/or issue legal proceedings over safety incidents.
- It is compulsory to contact the H.S.E if an operative has an absence of more than three days following an accident at work.

Prevention of Falls

· Employers must ensure that any working areas above the ground or below (e.g. inspection pits) are guarded or protected

- If you have to work above ground level you must be kept safe e.g. by wearing a safety harness if it is an area such as a flat roof which is not guarded
- · Stepladders should only be used for jobs that do not take long and they must be safe and stable when in use
- Slips prevention with non slip floors or shoes

Environment

- · There must be sufficient space to work safely and enough lighting and ventilation
- · Workplaces must be kept generally clean and tidy
- · Chairs must be safe and comfortable
- Temperature must be "reasonable"
- Reasonable means at least 16°C for office work and 13°C where there is physical work · In very hot weather, employers only need to
- provide local cooling e.g. fans

First Aid

· Employers have to provide first aid facilities at work

- As a minimum, there should be a fully stocked in first aid box and a person appointed to take charge in an emergency
- · Some workplaces have qualified first aiders and first aid rooms
- Green and white notices should inform you where the first aid box is kept and who the first aider(s) or appointed person(s) is/are

SST AIL

Fire safety

- · Employers must have arrangements in place
- to prevent fires
- · To raise the alarm
- To fight fires (fire extinguishers)
- · Emergency evacuation (including a pre-arranged meeting place for staff to assemble following evacuation)
- Notices showing the safe evacuation routes from buildings should be green and white



Moving and Handling

LO3

Understand how hospitality and catering provision meets health and safety requirements

- · You may be asked to lift, carry push or pull a load at work
- · You should always follow safe practice when doing any moving and handling
- · You should never attempt to move anything that is too heavy or difficult - ask for help
- · Employers should provide equipment to help you to move heavy or difficult loads



Equipment

.00

11

- · The term covers everything from a hand tool to a large machine like a stand mixer
- · Before you use equipment at work you should be shown how to use it safely
- · You should never use equipment that you are not trained or authorised to use
- · Electrical equipment should have a sticker on it indicating that it has been P.A.T. tested and giving a date when the next test is due

Safety of equipment

- Only use equipment for which you have been authorised and/or trained
- · Always wear any personal protective equipment such as goggles or gloves if you have been instructed to do so
- · Carry out a visual check of equipment before you use it and look for any obvious defects
- · If you notice something wrong or unusual, report it to your manager and put the equipment out of use

Control measures

- · Control measures are put in place by employers to protect staff from hazards and risks that have been identified
- The hierarchy of controls
- · Employers are allowed to take costs into account and work their way down the list until a suitable solution at reasonable cost has been identified Flimination
- Substitution
- Controlling risks at source
- · Training, instruction and supervision
- · Personal protective equipment

Trips, slips, falls - personnel

Persons at risk	Teachers, Teaching assistants, Students
Hazards	Trips slips falls
Control measures	Training and instruction from teacher Adequate housekeeping Work areas well lit Care exercised with known hazards Spills cleared up ASAP
Risk calculation 2x3=6	
Recommended	Display signs if needed for new hazards

Accidents at work

- · All accidents, however minor, should be reported to your supervisor
- Similarly, all incidents of ill-health (caused from work) should also be reported
- · Accidents include those that resulted in injury or damage and "near misses" - those which COULD have resulted in injury or damage
- · Your supervisor will decide if the incidents needs to be recorded in the accident records
- · Violent incidents are included (this includes verbal threats)

Enforcement

- · Inspectors from the Health and Safety Executive (HSE)
- · Manufacturers; schools and colleges; repairers; specialist places like hospitals and power stations
- Environmental Health Officers
- · Places where the public go like shops, offices, leisure facilities
- Fire Officers
- just enforce the bits relating to fire safety
- Magistrate's court • £20,000 per offence
- Up to 6 months in prison Imprisonment for up to 2 years
- Crown court serious offences · Unlimited fines

COSHH

SUBSTANCES COVERED BY COSHH:

- 1. Chemicals including cleaning chemicals
- 2. Micro-organisms
- 3. Dusts
- 4. Medicines, pesticides, gases
- COSHH 5. HSE list (Health and safety executive)







Possible health problems

- Contact causing irritation 1
- Sensitising substances 2.
- Toxic fumes 3.
- 4. Carcinogenic
- Infectious 5.
- 6. Fire, explosion
- 7. Environmental harm problems





Employees responsibilities under COSHH

- 1. Use control measures and facilities provided by the employer
- 2. Ensure equipment is returned and stored properly 3. Repor defects in control measures
- 4. Wear and store personal protective equipment (PPE)
- 5. Removing PPE that could cause contamination before eating or drinking
- 6. Proper use of washing, showering facilities when required
- Maintaining a high level of personal hygiene
- 8. Complying with any information, instruction or training that is provided

Every substance that is a hazard has a COSHH safety sheet



This sheet deals with opening. tipping sieving flour and making dough Why could this be a hazard?

COSHH symbols on containers



Occupational diseases

severe cramp of the hand or forearm

· tendonitis or tenosynovitis of the hand or forearm

· any disease attributed to an occupational exposure

carpal tunnel syndrome

occupational dermatitis

occupational asthma

a biological agent.

any occupational cancer

What must be reported

incident that causes physical injury.

related:

supervised

injury is work-related

· An accident is a separate, identifiable, unintended

Also includes acts of violence to people at work.

· Not all accidents need to be reported, a RIDDOR

report is required only when the accident is work-

. the way the work was organised, carried out or

machinery.substances or equipment used for work:

How do you report an accident

This is most easily done by reporting online.

· Alternatively, for fatal accidents or accidents

resulting in specified injuries to workers only,

NB: A report must be received within 10 days

If you do not keep a copy of the online form your

. the date, time and place of the event; personal

An employer who fails to comply with RIDDOR may

a fine not exceeding level five on the standard scale, currently £5,000 in a magistrate's court

· Note: Accidents or incidents may have been caused

penalties for breaching other legislation may be

by breaches of other health and safety legislation. The

heavier than those for failing to comply with RIDDOR.

Not all reportable incidents will be investigated by HSE

All incidents should be analysed and lessons learned

· and a brief description of the nature of the

Accidents are reported to the HSE

you can phone 0345 300 9923.

What records need to kept?

· the date and method of reporting;

Record other accidents resulting in injuries

where a worker is absent from work or is

incapacitated for more than 3 days.

be liable on conviction to:

· an unlimited fine in a Crown Court.

Penalties

and shared

of the incident

records must include

event or disease.

details of those involved:

Health and Safety Executive

and it results in an injury of a type which is reportable

When deciding if the accident that led to the death or

· hand-arm vibration syndrome

Safety data sheet

This is a safety data sheet for Fairy washing up liquid. It may not be a hazard to you if you only wash up once a day but if you washed up for long periods of time as part of your job it could become an irritant or hazard

Common substances and controls

Wear gloves

Face mask

Extractors over cookers

- · Cleaning
- chemicals · Washing up liquid
- · Cooking fumes
- Smoke
- · Oils · Gas

What is RIDDOR?

- RIDDOR is the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013.
- The law requires employers and other people in control of work premises (known as the 'responsibl person') to report to the Health and Safety Executiv (HSE) and keep records of the following
- · work related fatalities

diseases

· work related accidents causing certain serious injuries (known as reportable injuries) certain work related diagnosed occupational

What has to be reported to HSE

· Death

- Injuries resulting in over 7 days off work (7 day injuries)
- · fractures (except fingers, thumbs and toes): · amputation of limbs or digits
- · loss or a reduction of sight:
- crush injuries
- serious burns (over 10%)
- unconsciousness caused by a head injury or asphyxia;
- any other injury needing admittance to hospital for more than 24 hours. Hypothermia

Who should report an Accident

- 1. An employer or person in charge of the premises
- 2. A self employed person
- 3. A member of the public
- 4. An injured person or their representative



Understand how hospitality and catering provision meets health and safety requirements

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Personal Protective Equipment at Work Regulations 1992 (PPER)

- PPE is equipment that will protect the user against health or safety risks at work. Includes clothing and other items worn by staff to protect themselves from work hazards
- It can include items such as Gloves, goggles, hard hats, hearing protectors, warm clothing (in cold conditions), safety shoes or boots, respirators etc
- · Hearing protection and respiratory protective are not covered by these Regulations there are specific regulations that apply to them, these items need to be compatible with any other PPE provided.

PPE in catering situations

The requirements are set out in the PPE Regulations 1992. In addition, the Food Safety (General Food Hygiene) Regulations 1995 require every person working in a food handling area to wear suitable, clean, and (where appropriate) protective clothing.

 non-slip shoes where there is a slipping risk: · 100% cotton garments (for example, chefs' whites) where there is a risk that the material may aggravate burns in the event of a fire

· where caustic cleaning substances are used, longsleeved vinyl gloves, goggles, a visor and possibly respiratory equipment.

PPE in catering situations



· Provide the PPE (free) if a risk assessment has

- shown it to be necessary · It must be exclusively for you and fit you comfortably
- · Provide somewhere to store it
- Provide facilities for it to be cleaned and maintained Replace it when necessary
- · Provide training (if necessary) in how to wear/use it properly

Employees responsibilities under PPER

- · You must wear the p.p.e. if it has been provided for you. You could be held personally liable if you had an accident which could have been prevented by you wearing your p.p.e.; · You must care for it, store it and clean it as necessary;
- · You must report any defects

When selecting PPE

choose good quality products which are CE marked in accordance with the PPE Regulations 2002 choose equipment that suits the wearer – consider the

size, fit and weight; you may need to consider the health of

the wearer, eg if equipment is very heavy, Iet users help choose it, they will be more likely to use it.

- Using and distributing PPE to your employees:
- instruct and train people how to use it: tell them why it is needed, when to use it and what its
- limitations are:
- never allow exemptions for jobs that 'only take a few minutes';
- If something changes check the PPE is still appropriate

Front of house

- · Exposure to cleaning products and other chemicals Musculoskeletal injuries from standing for long
- hours.
- working in awkward positions or
- performing repetitive manual tasks
- Lifting or carrying heavy trays or other objects. Noise exposure
- Dealing with difficult or physical customers.
- · Long hours of work or extended work days
- Cuts from handling broken glassware
- Burns from hot plates, coffee

Manual Handling Operations Regulations 1992

- · Require you to avoid any manual handling operations at work which involve a risk to health - so far as reasonably practicable.
- If it is not reasonably practicable to avoid any manual handling operations, you must carry out a
- manual handling risk assessment to identify how the risk is caused, so each factor can be addressed and measures taken to control the risk.
- Provision of information, instruction and training to staff are legal requirements

What Is Manual Handling?

 Any transporting or supporting of a load by hand or bodily force

· Lifting, putting down, pushing, pulling, carrying or movina



Assessing manual handling risk

Task: What is it about the way that we organise the task which might affect our health and safety?

Individual Capabilities:

What is it about the people who are doing the job that might affect their health and safety?

What is it about the load which might affect our health and safety?

Environment: What is it about the place which might affect our health and safety

Risk assessment

start by considering the jobs carried out in the kitchen and the staff who work there. Look at the areas of work where there are most likely to be significant risks and prolonged exposure concentrate on: the handling tasks workers are doing;

- the loads they are lifting;
- the environment they are working in;
- the individual capabilities of each worker; the positions they need to get in to do the job, eg
- twisting and stretching:

. the time spent on each task, eg regularity of lifting and break times

Food preparation

- repetitive motion of the hands, wrists and shoulders;
- forceful lifting or carrying of heavy bowls or pots;
- awkward bending and twisting of the back;
- awkward reaching

 utensils and knives with ergonomic handles designed for comfort and those that allow for power arips

Provide knives that are in good condition and kept sharp to reduce the force required by the user. chopping machines for vegetables to reduce manual chopping or buy in pre-prepared vegetables;

for long periods:

at the waist:

oven

smaller containers.

forceful exertions

reduce gripping force;

forceful exertion.

provide smaller refuse bags.

scrubbing pots; repetitive reaching into pots;

dishwashers if appropriate;

knees rather than the back;

forceful arm exertions when scrubbing pots

assess the weight of a pot before lifting it;

height to minimise awkward posture.

awkward shoulder or back postures.

Cleaning

Dishwashing lifting heavy pots

awkward bending and twisting when leaning over sinks

repetitive wrist and shoulder movements when

false bottoms in deep sinks to reduce awkward bending

keep pots close to the body when lifting and bend the

point toes in the direction they are reaching to avoid

Ovens and steamers

Ovens with side-hinged doors rather than bottom hinged doors allow easier access to items in the

Using oven racks between waist and elbow

Soup kettles and heavy pots

Large soup kettles with extended handles make it easier to tip the kettle when pouring soup into

cuts, bruises, pressure injuries and sore skin. long-handled brushes where reaching is required; cleaning tools that have soft rubber-like handles to

a platform of adequate size to minimise reaching.

Removing waste lifting heavy rubbish bags, which carries the risk of

put up signs to remind staff not to overfill them.

LO3

Understand how hospitality and catering provision meets health and safety requirements

AC3.2 Risks to personal safety in Hospitality and Catering

AC3.2 Risk Assessment Starter Can you spot the 17 hazards in the image below. Write them down in your book



Answers

- Holes around the pipe and the floor (access to pe 2. The bottom of the door has been gnawed. 3. There is a hole in the dry store cupboard 4. The window in the door is broken. 5. The window is open and flies are in the room. 6. The bin is too full and overflowing. 7. Thornio e door and There's a dead rat There's a dead rat
 Droppings in front of dry store cupboard
 The fan cover is broken
 Packages have been gnawed.
 The cable on the toaster has been gnawed.
 Infested delivery boxes
 The han has been left out on the bench.
 Spider webs in the dry store cupboard
 The han charact 15. The bread/toast has been chewed. 16.Potatoes aren't securely stored/covered in dry store. 17. The door on the cupboard has failen off (food attracts pests)

Legislation

The Food Safety Act 1990



....

legislation requires businesses to meet certain standards in health, hygiene and safety. If a business does not meet these it could receive fines suspension or closure of the business and in some cases imprisonment. For all these reasons employers want their employees to work in ways that are safe, healthy and hygienic and to ensure the workplace is kept clean and safe.

Reputation

Accidents and injuries can lead to employees having time off work, increased insurance costs and possible compensation to employees, Reviews and news media-customers will not want to visit a business which is unsafe no one wants to become ill from eating there



Assessing risks

To assess the level of risk of any hazard it is important to conduct a risk assessment. In a business there are five steps to risk assessment.

1)Identify the hazard. 2)Decide who might be harmed and how. 3)Evaluate the risk. 4)Record the findings and implement them. 5)Review the assessment and update if necessary

Assessing risks

Risk/Hazard	Location	Who is at risk? (Employer, Employee, Supplier, Customer).	Level of risk. (High, Medium, Low)
Incorrect storage of food.	Kitchen	Customer	High
Unclean food area.	Kitchen	Customer	High
Cleaning fluids not stored correctly.	Housekeeping.	Employee, Customer.	High
Faulty Wiring	Bedroom	Employee, Customer.	High

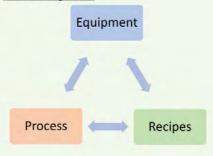
Risk Assessment

When you carry out a risk assessment you need to think about how likely it is to happen and what the consequence might be if it did. E.g. A spillage is When you carry out a nk about how likely it very likely to happen in a restaurant kitchen

	probability		Severity
1	Not very likely to happen	1	If it did happen the harm would be minimal and could be dealt with by an untrained person (e.g. might just need a plaster)
2	1 in 4 (25%) chance	2	Might need to visit a professional for advice or treatment (e.g. might need stitches)
3	2 in 4 (50%) chance	3	Would take a few weeks to heal, but not a serious injury.
4	3 in 4 (75%) chance	4	Could cause serious injury or damage, but would eventually be resolved (e.g. broken leg)
5	Very likely to happen	5	The result could be permanent disability, destruction of a building or in extreme cases, death

What do you think the sevenity might be if someone was to slip on a spillage in a

Assessing risks



Food processor

Persons at risk	Teachers, Teaching assistants, Students
Hazards	Trap cut
Control measures	Training and instruction from teacher Supervision Processor assembled correctly Safety cut out switch Care when cleaning and dismantling
Risk calculation 2x2=4	
Recommended	None

Use of knives

Persons at risk	Teachers, Teaching assistants, Students
Hazards	Cut
Control measures	Training and instruction from teacher Supervision when using knives Knives stored in a secure place Knives sharpened as appropriate
Risk calculation 2x3=6	
Recommended	Used under supervision

Ovens- items in and out of ovens

Persons at risk	Teachers, Teaching assistants, Students
Hazards	Burn
Control measures	Training and instruction from teacher Oven gloves to be used Oven gloves must be dry Care taken putting in and removing items from the oven
Risk calculation 2x3=6	
Recommended	Use under supervision

The hob- handling hot foods

Persons at risk	Teachers, Teaching assistants, Students	
Hazards	Burn scald	
Control measures	Training and instruction from teacher Supervision Extreme care taken when using the hob Remove from heat if burning of food occurs	
Risk calculation 2x3=6	Bring to attention of teacher if severe	
Recommended	Use under supervision	

Burns and scalds- personnel

Persons at risk	Teachers, Teaching assistants, Students
Hazards	Burn scald
Control measures	Training and instruction from teacher Supervision with potential dangers Care when handling Use dry oven gloves
Risk calculation 2x2=4	
Recommended	

Storage - growth of pathogens

Persons at risk	Teachers, Teaching assistants, Students
Hazards	Growth of food pathogens
Control measures	Training and instruction from teacher High risk foods to be stored in refrigerator when not in use Refrigerators maintained at 1-5°C Completed protein based foods to be left to cool before refrigeration
Risk calculation 2x1=2	
Recommended	Signs on refrigerator door

Cooking - survival of pathogens

Persons at risk	Teachers, Teaching assistants, Students
Hazards	Survival of food pathogens
Control measures	Training and instruction from teacher High risk foods to be cooked thoroughly Test by cutting open Test by juices running clear Test by temperature probe to 70-75°C
Risk calculation 2x1=2	Hot foods not placed in refrigerator
Recommended	Cooked foods to be refrigerated when cooled

Ragu (Bolognese sauce)

Measure	Likelihood
Demonstrate safe use of knives and monitor students' use	Low
Remind students of rules in kitchen and instil safe conduct	Low/Med
Wash vegetables	Low
Demonstrate safe use of the hob and monitor students' use	Low/Med
Ensure that meat is kept in the refrigerator before use and than non-perishables are kept in clean, dry containers, e.g. dried pasta	Low
	Demonstrate safe use of knives and monitor students' use Remind students of rules in kitchen and instil safe conduct. Wash vegetables Demonstrate safe use of the hob and monitor students' use Ensure that meat is kept inten refrigerator before use and than non-perishables are kept

Fajitas

Potential risk	Measure	Likelihood
Dirt or food poisoning bacteria present on raw food, causing cross contamination	Wash vegetables before use	Low
Cross-contamination from raw meat	Cut raw meat on a separate chopping board with a clean knife	Low/Med
survival of pathogens on cooking	cut through to test meat is cooked	low/med
Burn from using the hob and/or hot frying pan	Demonstrate safe use of the hob and monitor students' use	Low/Med
Frying pan knocked off hob	Ensure that frying pan handles are turned away from the edge	Low/Med
	Demonstrate safe use of knives and monitor students' use	Med

Handmade pasta

Potential risk	Measure	Likelihood
Burn to hand while using the hob	Demonstrate safe use of the hob	Low
	and monitor students' use	
Scalds from hot water while	Demonstrate how to drain hot	Low/Med
draining pasta	water away from pasta and	
	monitor students' use	
Cuts from using pasta machine	Demonstrate safe use of pasta	Low
unsafely	machine	

Scone base pizza

Potential risk	Measure	Likelihood
Out of date date-marks	Always read the date-mark	Low
Dirty hands used for rubbing-in	Wash hands thoroughly and regularly during cooking	Med
Burn from placing and removing pizza in oven	Demonstrate safe use of the oven, promote the use of oven gloves and monitor students' use	Low/Med
Cuts from using a knife unsafely	Demonstrate safe use of knives and monitor students' use	Med
Cuts from using a grater unsafely	Demonstrate safe use of graters and washing up with a brush	Low
	Ensure that cooked meat is kept in the refrigerator before use and than non-perishables are kept in clean, dry cupboards	Low

Risk Assessment Carry out a risk

lis	sted below;				
•	Pub				
•	Restaurant				
•	Hotel				
•	Fast food ou	utlet			
	B&B				
•	Dub				
	Take away				
		Type of hazard	Who is at risk?	Likelihood of occurring	Severity
	Take away				Severity
	Take away				Severity

Who is at risk?

- People at risk includes





Prevention

- · Brightly lit areas
- · CCTV
- · Easy escape routes
- complaints

- Make sure lone workers are aware of risks
- · Keeping doors and windc

Risk and Security

- Workers can be at risk from security hazards in the same way they are from safety hazards. Security risks include
- Disagreements between customers Customers being intoxicated (alcohol) · Customers who have used drugs Verbal abuse
- · Physical assaults



- Staff (and customers) may feel threatened by physical assaults, threats and intimidation and verbal abuse
- · Young workers who have less experience · Night shift workers where there are less people · Lone workers eg people working early or late · Customers in the establishment





Risk factors







- · Handling large amounts of money in open areas
- Face to face contact with customers
- · Opening late in the evening or early in the morning
- · Dealing with customer complaints or disputes
- Selling high value items such as alcohol · Establishment in an isolated area eg country pub
- Poor lighting
- · Establishment in a high crime area



- Area for handling larger sums of money
- · Appoint more senior staff to deal with problems and
- Train staff to difuse angry customers
- · Contact local police if necessary

Instruction	Guidelines	Sign
Stop	Prohibition Sign • Round shape. • Black pictogram. • White background. • Red edging.	STOP)
Danger	Warning Sign • Triangular shape. • Black pictogram. • Yellow background. • Black edging.	
Obey	Mandatory Sign • Round shape. • White pictogram. • Blue background.	The book of the bo
Safety	Emergency Escape or First Aid Sign	Fire exit
Fire	Fire Fighting Sign. • Rectangular or square. • White picture. • Red background.	



area

other people

Action on Discovering a Fire. · Raise the alarm. Break the glass of the . If safe to do so tackle the fire, if in doubt get · Leave the building via the nearest exit calmly. DO NOT run or use lifts. · Evacuate the premises and report to your designated assembly point. What action would you take? · Wrap them in a fire blanket or wet tablecloth Lay them on the floor Do not take off the blanket or tablecloth Call 999 Turn off the gas or electricity and cover Lum of the gas or electricity and cover the pan with a lid of fire blanket Use an oven cloth if possible to protect your hands Do not try to move the pan Do not put water on this type of fire Turn off the electricity at the plug. Use a carbon dioxide extinguishe Do not use any other type of extinguisher on this type of fire

- · Fire blankets are used to cover small fires to exclude the oxygen they come in a self contained sleeve.
- · Used on oil and fat fires or to wrap around a casualty.
- Not for electrical fires

General Instructions for use:

- Read instruction plate before use.
- Ensure that you are positioned between the fire and a safe exit/escape route.
- Pull tapes to remove blanket from container.
- Hold blanket by the tapes and cover burning material completely (using the blanket to shield
- · Leave to cool for a least 30 minutes, keeping out
- Turn off the electrical or gas supply and leave the area closing all doors behind you.

Preventing a fire from Starting.

- · Store flammable materials safely
- · Ensure staff are trained and updated on fire
- · Make sure "No Smoking" signs are evident and strictly implemented
- · Regular fire checks for fire hazards such as: · Rubbish storage areas.
- Kitchen ventilation.
- · Gas & Electrical equipment.
- · Flammable chemicals.

AC 4.1 Food related causes of ill health

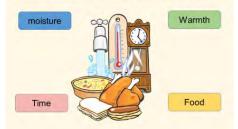
Bacteria

Some bacteria have to be INSIDE your body to make you ill. These are consumed in the food

Once inside you, the bacteria attack your body causing illness, some such as Salmonella cling to the gut wall preventing absorbtion of water and nutrients- this type take hours even days to colonise the gut so symptoms may not show for a few days

Some produce a TOXIN (poison) on the food which makes you ill when you eat it. Toxins act on the body rapidly so this type make you ill within minutes to hours of eating them

What do bacteria need to multiply?



Sources of food poisoning bacteria



Influence of temperature



Food poisoning Mouth increase in saliva

Head headache

Skin fever, shivering

Gut abdominal pain, nausea vomiting, diarrhoea

Circulation, low blood pressure, weak pulse, fatique



Non food poisoning illness

Some microorganisms cause food borne illness which is not classified as food poisoning because of other symptoms they cause

Norovirus From leafy greens such as lettuce, fresh fruits and foods that are not washed before eating Causes Diarrhoea, vomiting, fever, body aches, headaches

Toxoplasmosis From infected meat (also cat poo but you wouldn't eat that) Causes fever, muscle pain, sore throat, tiredness Long term the Toxoplasma parasite can invade the eyes

Chemicals Packagin



Hormones Animals can be injected with growth hormones and

antibiotics to give larger muscle development and higher milk production

Effect on health

Oestrogens could have effects on reproductive system (male and female) possibly cancers. BANNED- except for the USA

Antibiotics could be absorbed by the body and increase the antibiotic resistance in humans



Crops are spraved with herbicides and pesticides to prevent being eaten by insects. Herbicides kill weeds and unwanted plants in crop

Effects on health

All crops in EU tested for pesticide residues. Higher levels of exposure could cause nerve damage. damage to foetus, dermatitis, possibly cancers. dizziness, headaches, nausea and vomiting in



During storage, chemicals can migrate from the packaging into the food if they are stored badly

Effects on health

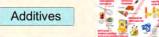
Under some conditions chemicals such as BPA and Phthlates can leech into foods from packaging. They can affect the endocrine system which produces hormones in the body such as reproductive hormones and insulin



Plants are fertilized to keep the soil fertile and to give a higher yield of crops for the farmer. NOT IN ORGANIC FERTILIZERS

Effects on health

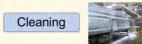
Nitrates, phosphates and potassium are all toxic to humans in higher amounts, pollution of water table, effects on other organisms eg fish that could then be eaten by humans



Additives in food can be chemical or natural. Give food characteristics like long shelf life or colour or flavour. Used to stop crystallization of sugars, to soften foods etc.

Effects on health

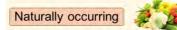
Not all food additives are harmful chemicals but some are. Long term effects such as cancers and nerve damage Short term effects like allergies and hyperactivity in children



Foods and equipment are cleaned with chemicals which may stay on the food afterwards. some industrial cleaning chemicals are harsh on machines

Effects on health

Poisoning like symptoms, vomiting, diarrhoea headaches. Could build up with long term exposure such as jobs like cleaners



Metals such as iron, zinc, sodium are naturally present in foods and we need them as minerals for good health. Others such as Arsenic, cadmium, lead and mercury are naturally in the environment and aet into food

Effects on health

Small amounts of mineral metals are needed for GOOD health. Toxic metals such as Arsenic and cadmium could build up in the body Lead and Mercury cause brain damage



Human activities such as farming, industry or car exhausts could cause metals to remain in the environment and get into food

Effects on health

Long term effects from build up of residues such as brain damage, nerve damage and problems with digestion and body functions



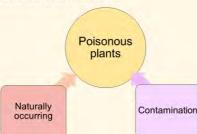
Metals in low concentrations at the bottom of the food chain are concentrated as they go up the chain

Effects on health

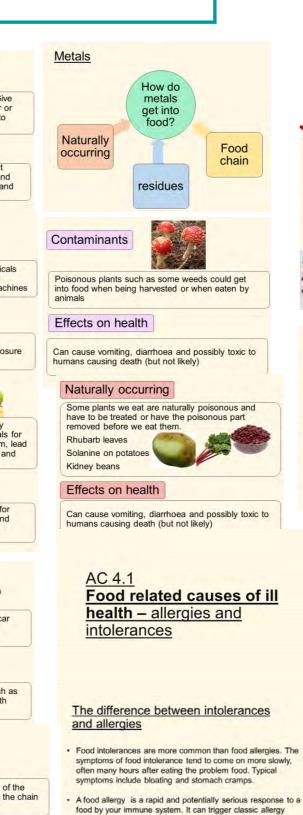
and can be toxic to the end consume

Concentrated lead and mercury can cause brain damage and damage to unborn babies. Can cause nerve damage and muscle problemd

Poisonous plants



LO4 Know how food can cause ill health



Reasons for food intolerance

- some people react to certain foods and eating them may cause uncomfortable symptoms or, in rare cases, a severe
- illness. Food intolerance is more common in children than in adults. Children often grow out of the intolerance

Lactose intolerance

- Avoid milk and milk products
- Experience nausea, bloating, pain in the abdomen and diarrhoea
- Eat lactose-reduced products
- Eat goats cheese, soya milk, feta cheese, rice milk
- . In the UK, Ireland, 5% of the population is affected.



Lactose intolerance

- When planning dishes, read ingredients carefully
- even foods like margarine can contain milk derivatives which could make the customer ill
- Soya and vegetable products replace milk in a number of foods, milk, cream, cheese, vochurt can all be made from sova

Coeliac/gluten intolerance

- · Intolerant to the protein gluten
- Causes diarrhoea, anaemia, weight loss
- · Gluten is found in many cereals plants primarily wheat, rye, barley and some oats
- · Avoid pasta, bread, cereals flour based foods
- · Gluten free products are available



Coeliac disease

 People with coeliac disease must avoid foods that contain gluten, for example, bread cakes, and biscuits. Many foods have small amounts of wheat. barley or rye added, so people with coeliac disease must check food labels carefully.

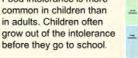
Rice, maize and potatoes do not contain gluten so are good sources of starchy carbohydrate , and gluten-free versions of foods such as bread and pasta are available

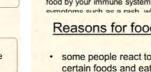
Coeliac disease may affect as many as 1 in 100 people in the UK;

IGH UN

















Yeast intolerance

- · Yeast is present in a variety of foods, commonly bread, baked products and alcoholic beverages
- · Yeast intolerance has a wide range of symptoms including flatulence, bad breath, fatigue, irritability, cravings for sugary foods, stomach cramps, bad skin and indigestion.
- · Fermented foods contain yeasts eg vinegar, wine, salad dressing
- · Very ripe fruits contain natural yeasts



Symptoms of food allergies

A food allergy usually occurs between a few minutes and a few hours after eating a particular food.

The symptoms of food allergies vary

coughing;
dry, itchy throat and tongue;
nausea and feeling bloated; wheezing and shortness of breath
 swelling of the lips and throat;
 runny or blocked nose; sore, red and itchy eyes.

Anaphylaxis

 Anaphylaxis is most commonly caused by food allergies, but can also be caused by other things, such as insect bites and drug allergies. · Peanuts, milk, eggs and fish are the most common foods to cause anaphylaxis in the UK.

•Feeling lightheaded or faint. · fast, shallow breathing, wheezing •a fast heartbeat clammy skin .Confusion and anxiety collapsing or losing consciousness

Peanut allergy

1999

Dish

severe allergic reaction called anaphylaxis can cause death. An example of this is a serious

allergy to peanuts or other nuts.

Peanut allergy has become more common, especially in children. Until recently, the UK government recommends that, where there is a family history of allergy, pregnant mothers should not eat peanuts, and that peanuts are not given to

Preventing allergic reactions

People who have an allergic reaction to foods or ingredients must be particularly careful about what they eat and reading labels and menus	Main
carefully is especially important.	Halal Lerno
New rules that came into effect from December 2014 include the way	Vegetabl

mber 2014 include the way I M allergen information appears on labels and on food that is pre-PON packed, sold loose or served in a restaurant, café or take-away.

Allergens in Hospitality and Catering

- All menu items must be marked with any of the 14 major allergens they contain
- · Wait staff should have a good knowledge of which allergens are present
- · Complete allergen check sheet for new menu items
- · When using pre prepared ingredients, kitchen staff should check the labels carefully to identify any allergens eg
- · Peanut flour used to thicken the sauce in a takeaway curry; · Milk present in a minor ingredient in a pre-packed or catered food

Major allergens



Food allergies

- A food allergy is one particular type of food intolerance that involves the body's immune system. only true allergies involve the immune system.
- . In the UK, the most common food allergies are to eggs, milk, fish, peanuts and tree nuts (such as walnuts, Brazil nuts and almonds). * In the UK, kiwi fruit allergy among children is becoming more

 There are up to 10 recognised deaths from food allergies in the UK every year.



- Sova in the light soy sauce and in the Chinese roast
- pork Wheat - in the light soy sauce and in the Chinese roast pork
- · Eggs
- · Molluscs in the oyster sauce · Sesame - in the sesame oil



The allergenic ingredients in sweet and sour prawn balls are:

- Crustacea prawns Wheat - in the flour and sov sauce
- Sova in the sov sauce
- Cooking oil can contain a blend of several ingredients, including nuts, peanuts and sova



The allergenic ingredients in paella are: Milk - in the chorizo

Wheat (gluten) - from the rusk in the chorizo sausage Molluscs - squid, clams Crustacea - prawns Sulphites - in the wine, chorizo sausage and the

pancetta Some stock cubes contain mustard and celery



The allergenic ingredients in four seasons pizza are:

- Milk in the mozzarella cheese
- Sulphites in the Parma ham
- · Wheat in the flour Fish – anchovy

LO4 Know how food can cause ill health

The allergenic ingredients in crumbed ham are:

The allergenic ingredients in Scotch eggs are:

Cooking oil can be a blend of several different

ingredients, including nuts, peanuts and soya

Sulphites - in the sausage meat

Wheat (gluten) - in the flour and from the rusk in the

Environmental Health Officer

- roles and responsibilities

What are the roles and

EHO in basic form

wider industry

responsibilities of an EHO?

Be able to state several of the roles of an

Explain the main features of each role

What is an Environmental Health

EHOs are personnel qualified in Environmental

Be able to relate the role of an EHO to the

Eggs - in the wash which binds the breadcrumbs

Sulphites - in the ham

to the ham

Eggs

111

Officer?

NHS

Military

Chartered Institute of

Health

Environmental

Local councils

Private companies

What do EHOs do?

sausage meat

AC 4.2

Wheat - in the breadcrumbs

Legislation enforced by EHOs

The Food Safety Act. Food safety from the manufacturer or producer to the point of sale. Might involve different companies or premises e.g. suppliers, manufacturers or kitchens, shops or restaurants

The Food Safety Act (General Food Hygiene) Regulations. Ensures food producers HANDLE all food hygienically

Legislation enforced by EHOs

The Food Safety Act (Temperature Control) Regulations. Temperatures at which to store or hold food. •Freezers from -18°C to -24°C •Chillers from 3°C to 8°C •Fridges from 1°C to 5°C Cooked core temperature at 75°C or above

•Hot holding above 63°C

The Food Composition Regulations Specifies what ingredients CAN or CANNOT be used in the manufacture of foods e.g. bread, breakfast cereals and use of additives

EHO roles in the Hospitality and Catering industry



Inspecting businesses for food safety standards

- · Powers of entry at any reasonable time
- · Inspect food and premises
- · Power to seize and detain food
- Serve notices · Power to close Prosecute

The 3 main areas EHOs inspect are

Food Food hygiene premise Food handlers · EHOs deal with a variety of different legislation and



· Have lockers for employees

- · Have hand wash facilities
- Have first aid available
- · Have clean storage areas
- order
- Be free from pets and pests etc

why might they cause illness?



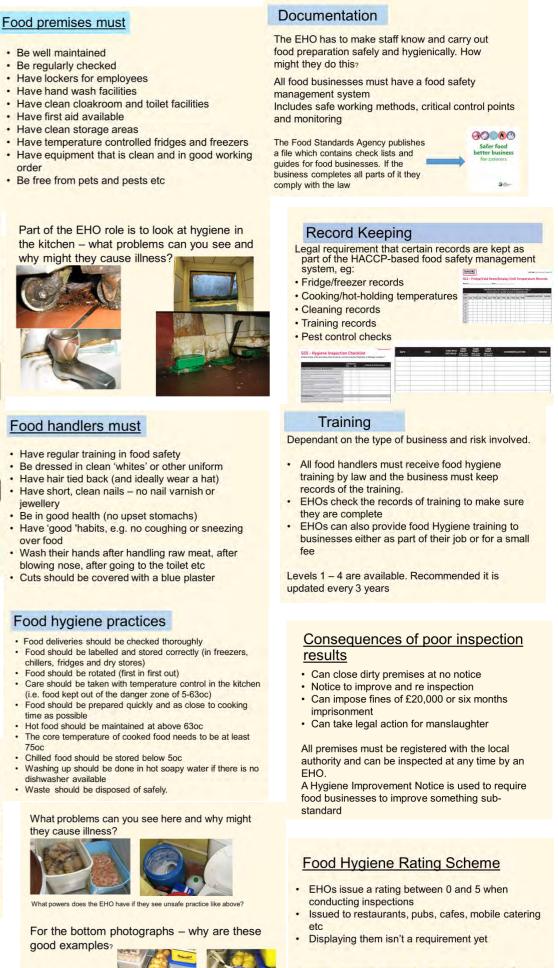
Food handlers must

- · Have regular training in food safety Have hair tied back (and ideally wear a hat) Have short, clean nails – no nail varnish or jewellery
- over food
- blowing nose, after going to the toilet etc

Food hygiene practices

- chillers, fridges and dry stores) Food should be rotated (first in first out)
- time as possible
- 75oc
- Chilled food should be stored below 5oc
- dishwasher available

they cause illness?



good examples?



enforcement not just related to food. · EHOs tend to specialise in an particular area of work once qualified- ask Mrs Walker about her MSc ·food safety Infectious diseases environmental protection

 noise, radiation & pollution control •water standards ·health and safety at work animal welfare ·waste managemen ·housing standards

Health laws, enforcement and inspection methods. They have a 3 year degree in Environmental Health Many organisations employ EHOs including Food Standards agency

> Although its not compulsory to display the ratings in England YET do you hink it is a good idea for businesses to display t

8 8 2 8 8 5

012365

Follow up complaints & submitting reports

The EHO investigates complaints from the public about problems when with food/drink. These can be

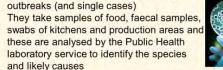
Physical Chemical Biological



The EHO reports back to the customer and the provider - can prosecute supplier if negligent

Follow up outbreaks of food poisoning

The EHO coordinates with doctors, hospitals, victims and food suppliers to trace and identify sources of food poisoning outbreaks (and single cases)



EHOs publish a report on the outbreak that gives the timeline and how the outbreak could have happened - publicly available

Collecting samples for testing

EHOs collect samples for testing using aseptic methods so no bacteria contaminate the sample

- · Foods
- Faecal
- Swabs of surfaces or workers
- Foods (for composition testing)
- ATP swab testing

In cases where there could be a prosecution the sample is divided so that there is a reference to use if it goes to court

Giving evidence in prosecutions maintaining evidence

- · Prosecutions under food safety laws are serious, people can get injured or even die
- The EHO writes a report for the prosecution service who decide if it is serious enough to take to trial
- The EHO who conducted the investigation gives evidence as an expert witness and explains where the defending party has broken the law
- Evidence is submitted in the form of photos, lab results, and the EHO notes from the investigation

Doctors notify environmental health of suspected cases of infectious disease.

- EHO then visits the person to complete a questionnaire.sent to PHE who analyse the data
- · EHO would investigate any source of infection locally

Campylobacter - Most common cause of food poisoning in the UK

Cryptosporidium - Is a microscopic parasite that causes Cryptosporidiosis

Ecoli 0157 - Is found in the gut of animals; it is a bacterial infection that causes severe stomach pain that can lead to kidney failure

Accident Investigation

Accidents must be reported to the Health and Safety Executive via reporting system (RIDDOR).

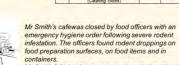
- · Deaths caused by workplace accidents Occupational diseases
- · fractures, amputations, loss of sight etc
- Over 7 day incapacitation of a worker
- · Dangerous occurrences
- · Accidents to members of the public where they are taken to hospital.

The EHO receives ALL RIDDOR information in their area. How can the EHO use the information to improve food premises?

ATP Swabs What is ATP and how is it measured? All organic matter contains ATP including food, bacteria, mould and microorganisms. The detection of ATP indicates the presence of biological

A sterile swab is used to take approximately a 10cm² sample. ATP uses bioluminescence to take a reflective light unit reading (RLU) from the swab . Measuring the amount of bioluminescence from an ATP reaction provides a good indication of surface Unclean surface → large amount ATP





containers. Mr Smith failed to have systems to control pests and has failed to protect food from foreign bodies, pests and bacteria likely to make the food unfit for human encouncert.

14

(Pass) (Fail) 50 100 20 50

20 50 20 50

List four hygiene problems with Joe's café (4)

Joe's café is due a visit from the EHO. Give four reasons why joes café will not pass the inspection (4)

What might the EHO suggest happens to the café? Give two ideas (2)

AC 4.3 Food safety legislation

What food safety legislation do we need to know?





LO4 Know how food can cause ill health

Food Safety Act

If a person renders (which means "makes") a food injurious to health: by adding an article or substance to it: using an article or substance as an ingredient in its preparation; abstracting (which means "taking away") any constituent from it; or subjecting it to any other process or treatment then they are guilty of an offence.

Main provisions of the Food Safety Act

- 1. It is an offence to supply food that fails to comply with food safety requirements
- 2. Strengthened powers of enforcement including detention and seizure of food
- 3. It requires training in basic food hygiene for all food handlers
- 4. All food premises must be registered
- 5. Authorises EHOs to issue improvement notices if there is a potential risk
- 6. EHOs can issue emergency prohibition notices to force caterers to stop their business immediately

The Food Safety Act 1990

Food businesses:

· Must ensure that the food served or sold is of the nature, substance or quality which consumers would expect. e.g.

- Nature pollock rather than cod:
- · Substance contains foreign material including glass or packaging;
- · Quality mouldy bread or stale cake.
- · Ensure that the food is labelled, advertised and presented in a way that is not false or misleading, e.g. photos on menus that do not look like the dishes served to customers.

Role and powers of E.H.O

- Environmental Health Officers
- Provide Food Safety advice
- · Inspect food premises
- · Enforce legislation covering food · Investigate outbreaks of food-borne disease and possible offences
- · Powers of entry at any reasonable time
- Inspect food and premises
- · Power to seize and detain food
- Serve notices, power to close businesses
- · Power to prosecute

Penalties under the Food Safety Act

Food Safety Act 1990	Magistrates court	Crown court
Selling food that does not comply with the Food Safety Act	6 months in prison or max £20,000 fine	2 years in prison Unlimited £ fine
Obstructing an Environmental health Officer	3 months in prison or max £2,000 fine	
Other serious offences	6 months in prison or max £20,000 fine	2 years in prison or £ unlimited fine

Defence of Due Diligence

- The principal of defence under The Food Safety Act 1990
- · A business must be able to demonstrate that it has done everything within its power to safeguard consumer healt
- Accurate records are useful in proving this defence; these may include:
- · Temperature control records delivery/storage/cooking
- · Microbiological records · Hygiene training for staff
- Use of HACCP system
- · Pest control records
- · Hygiene manuals, cleaning schedules Hygiene policy



Law Regulation (EC) 178/2002 in 2005. food safety and hygiene (england)

regulations 2013

Food shall not be placed on the market if it is unsafe. injurious to health unfit for human consumption

Presentation

labelling, advertising and presentation, including the setting in which the food is displayed, of food shall not mislead consumers. Traceability

food business to keep records of food, supplied to their business. Withdrawal, recall and notification

withdraw food which is not in compliance with food safety requirements, and to recall the food if has reached the consumer

Food Safety (General Food Hygiene) Regulations (1995)

-Food premises

- Personal hygiene of staff
- Hygienic practices

clean materials

reviewed.

rooms

drainage

 make sure food is supplied or sold in a hygienic way;

·identify food safety hazards;

Food premises should

have potable (drinking) water;

have adequate lighting and ventilation ;

·have adequate hand washing facilities and

·facilities for washing food and equipment;

have pest control measures

Keep yourself clean

could cause harm

last 48 hours.

· Keep your workplace clean

 know which steps in your activities are critical for food safety: •ensure safety controls are in place, maintained and

·be clean and in good condition, made from easy to

•clean lavatories which do not lead directly into food

Food Handler – Legal Requirements

· Follow good personal hygiene practices

Wear appropriate protective clothing

Sell food with an expired date mark

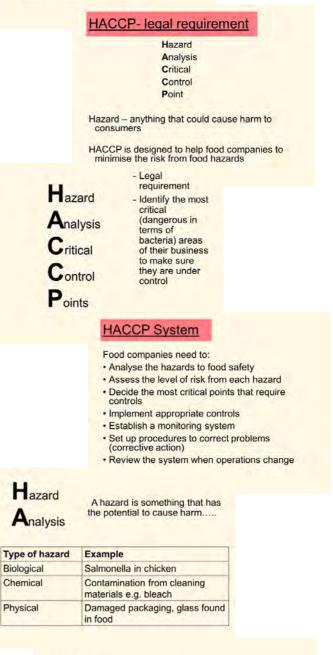
· Protect food from contamination or anything that

· Work with food if they have symptoms of food

poisoning or had diarrhoea and sickness in the

Food Safety Training

- · Food handlers must receive adequate supervision, instruction and/or training in food hygiene. Each food business must decide what training is needed
- · Legal requirement
- · Appropriate to tasks undertaken
- Recorded
- · Refreshed at given intervals eg yearly





A critical control point is a step which eliminates or reduces the hazard

Control is essential to reduce the risk of food poisoning.

If a caterer gets it wrong they could be breaking the law all stages from purchasing through to preparation and serving is controlled.

Record Keeping

Legal requirement that certain records are kept as part of the HACCP-based food safety management system, eg:

- · Fridge/freezer records
- · Cooking/hot-holding temperatures
- · Cleaning records
- Training records
- Pest control checks

Penalties for Non-Compliance

- · Prohibition from using part of business
- · Fines and legal costs
- · Prison sentence
- Closure of business
- · Prohibition from running a foc business
- · Criminal record
- · Defence of Due diligence also for this regulation

The Food Hygiene regulations 2006

- · Applies to high-risk foods
- Cold foods- store below 8°C
- Hot foods store above 63°C

During service :-

- · Cold food max 4hrs at room temperature then discard or refrigerate
- Hot food maximum 2 hrs
- · Buffet food 90mins at room temperature

Food labelling regulations 2006

Pre-packaged foods have information on their labels which can help consumers choose between different foods, brands, or flavours.

- · Much of the information must be provided by law.
- · Additional information may also be provided, such as cooking instructions or serving suggestions.
- In the UK, foods sold loose are currently exempt from many of the food labelling laws

Information that must appear by law on food labels:

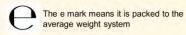
- . the name of the food; · weight or volume;
- ingredient list;
- allergen information:
- · genetically modified (GM) ingredients:
- · date mark and storage conditions: preparation instructions;
- · name and address of manufacturer, packer or seller;
- place of origin;
- · lot (or batch) mark;
- nutrition information

Weight or volume The weight or volume of the food must

be shown on the label. By comparing the weight with the price, consumers can make sure that they are getting value for money Some foods such as bread, tea and

nani Resi 2111 Adal Ringili

250ml 🚝 🚆 butter are only sold in standard amounts.



The name of the food

It is important that the name of the food must be clearly stated and HEINZ not be ambiguous or misleading with a description if needed.



Ingredients

· Ingredients are listed in order of weight, according to the amounts that were used to make the food, starting with the largest ingredient and ending with the smallest

· Food additives and water must also be included in the list if they have been added.

· Sometimes a particular ingredient is highlighted in the name, e.g. 'Prawn Curry: now with extra prawns'. If so, the minimum amount of the named ingredient must be included in the ingredients list, or next to the name of the food.

· Allergens must be listed in **bold** to highlight them

Allergy information

· celerv:

cereals containing gluten (such as wheat, barley, rye) crustaceans (lobster and crab);	 nuts (almonds, hazelnuts, walnuts Brazil nuts, cashews, pecans); peanuts;
• eggs; • fish; • lupins; • cow's milk; • molluscs (mussels and cysters);	 sesame seeds; soybeans; sulphur dioxide and sulphites (preservatives in some



Genetically modified (GM) ingredients

LO4 Know how food can cause ill health

The presence of genetically modified organisms (GMOs) or ingredients produced from GMOs must be indicated on the label.

Name & address, packer or seller

Consumers can then contact the manufacturer if they have a complaint about a product or if they wish to know more about it

Storage conditions and 'Use by' mark

The label must say how long foods should be kept and how to store them.

Following storage instructions can reduce the risk of food poisoning and help to make sure that it tastes and looks its best when it is eaten.

Foods which spoil quickly (i.e. are highly perishable) such as cooked meat and fish have a 'Use by' date. If kept for too long these foods can cause food poisoning even though they may not taste odd.

'Best before' date

 Other foods have a 'best before' date, after which foods may not be at their best, with regard to flavour, colour and texture, even though they will probably be safe if they have been stored according to the instructions on the labe

· Salt only needs to have a year as a best before but most manufacturers label it to the month



Preparation instructions

- Instructions on how to prepare and cook the food must be given on the label, if they are needed. If the food has to be heated, the temperature of the oven and the cooking time will usually be stated. T000000
- Instructions may also be given for heating in a microwave oven. These instructions should make sure that the food tastes its best and that it will be thoroughly heated to a core temperature of 72°C to help minimise the risk of food poisoning

Place of origin

The label must show clearly where the food has come from if it would be misleading not to show it, for example, a tub of 'Greek Yogurt' which was made in France.

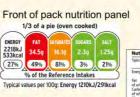
Protected Designation of Origin (PDO) is used for food produced, processed and prepared in a given geographical area using recognised know-how, e.g. West Country farmhouse Cheddar cheese and Jersey Royal potatoes.

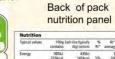
Lot (or batch) mark

- · A lot mark is a code which is required by law to appear on the label. It helps to identify batches of food in the event that they need to be recalled by the manufacturer, packer or producer.
- · A date mark is sometimes used as a lot mark. Lot marks may be indicated by the letter 'L'. Pre-packed red meat and meat products, must carry traceability
- information for identification of the product through the supply chain back to the farm.



Nutritional labelling









Nutrition claims

A nutrition claim describes what a food contains (or does not contain) or contains in reduced or increased amounts. Examples include

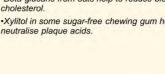
. Low fat (less than 3g of fat per 100g food); · High fibre (at least more than 6g of fibre per 100g food);

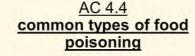
• Reduced sugar (30% less than the original product); Source of vitamin C (at least 15% of the recommended daily allowance for vitamin C).

Health claims

A health claim may be featured on the packaging if a food or one of its ingredients has been agreed by experts to provide additional health benefits.

Examples of health claims include: · Calcium is important for normal growth and development of bones in children ·Beta-glucans from oats help to reduce blood cholesterol. ·Xylitol in some sugar-free chewing gum helps





	Alig) contains	RI*	RI*
985kJ	435kJ		8
			20
		1%	
	0.1g	1%	
	20.09		
		2%	
7,79			
1.09	0.4g	7%	
s 16 servings			
		1.5g 0.7g 0.3g 0.1g 45.5g 20.0g 3.8g 1.7g 2.8g 1.7g 7.7g 3.4g 1.0g 0.4g in 16 semings of an average	1.5g 0.7g 1% 0.3g 0.1g 1% 65.5g 20.0g 3.8g 1.7g 2% 2.8g 1.2g 7.7g 3.4g 1.0g 0.4g 7% 1.16 tennings 0 an average

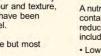










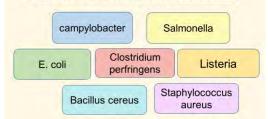


2.4 kg

What causes food poisoning?

- Be able to state the 7 common types of food poisoning
- Be able to relate the food poisoning species to food types and symptom types
- Be able to identify potential sources of pathogens from description of symptoms and foods consumed

Common types of food poisoning



Correct names of bacteria

Known as	Full scientific name
Campylobacter	Campylobacter jejuni
Salmonella	Salmonella typhimurium et al
E . coli	Escherichia coli
CI. perfringens	Clostridium perfringens
isteria	Listeria monocytogenes
B . Cereus	Bacillus cereus
S. aureus	Staplylococcus aureus

pital, the second with lower case

Common food hygiene faults leading to food poisoning

- •Preparation too far in advance and storage at room temperature
- Slow cooling
- Inadequate reheating/cooking
- . Contaminated food (cross-contamination or raw)
- Inadequate thawing prior to cooking
- •Food handlers (infected/bad personal hygiene).

What do bacteria need to multiply?



Sources of food poisoning bacteria



Influence of temperature



Multiply rapidly ige slow growth, most

Dormant (no growth -

Campylobacter jejuni

Foods it is found in	Poultry , raw meat, unpasteurised milk products, water
Symptoms	Headache, abdominal pain,bloody diarrhoea
Onset	2-5 days after infection
Duration	Up to 10 days
Effects on body	Weakness and dehydration
Special points	Only needs a few bacteria to cause illness

Salmonella group of over 1600 species

Foods it is found in	Raw meat, unwashed vegetables, eggs undercooked chicken
Symptoms	Fever, diarrhoea, vomiting, abdominal pain, blood in poo
Onset	12-72 hours
Duration	4-7 days can be up to 3 weeks
Effects on body	Can take months to clear the body, weakness colonises the gut
Special points	Survives refrigeration Some named after locations

Escherichia coli 0157

Foods it is found in	beef,chicken, lamb, unpasteurised milk cheese, spinach, salads,raw veg
Symptoms	Abdominal cramps, bloody diarrhoea, nausea
Onset	Up to 24 hours
Duration	5-10 days
Effects on body	Kidney damage, pancreas damage, dehydration
Special points	Clings to lower intestine wall

Clostridium perfringens

Foods it is found in	Undercooked meats, large volumes of food ,casseroles, gravies	
Symptoms	Stomach cramps, fever, diarrhoea (not ususally vomiting)	
Onset	6-24 hours	
Duration	Up to 24 hours	
Effects on body	Fever, damage to intestines	
Special points	Forms toxins in warm food, very few needed to cause illness Anaerobic	

Listeria monocytogenes Foods it is found Raw foods, fridge temperatures, unpasteurised milk, cheese, smoked salmon, pate, raw sprouts Symptoms Headache, stiff muscles, confusion, fever, convulsions Onset 3-70 days (21 typical)

Duration 3 weeks Effects on body Damage to central nervous system, miscarriage, meningitis Special points Grows at fridge temperatures

Bacillus cereus

Foods it is found in	Rice, leftover food, foods at room temperature, sauces and soups
Symptoms	1)Watery diarrhoea, cramps, 2)vomiting and nausea
Onset	1) 30 min-6 hrs 2) 6-15 hours
Duration	24 hours
Effects on body	Dehydration, fatigue
Special points	Produced toxins, only a few bacteria needed Can be anaerobic

Staphylococcus aureus

Foods it is found in	Foods made by hand and no additional cooking . Salads, ham,tuna chicken, cream pastries, sandwiches, dairy products, meat, eggs	
Symptoms	Projectile vomiting, diarrhoea, abdominal cramps, fever	
Onset	1-6 hours	
Duration	24-48 hours	
Effects on body	Dehydration, cramps	
Special points	25% of people have it on their body, nose, throat and on infected cuts	



AC 4.5

LO4 Know how food can cause ill health

Symptoms of food induced ill health

What are the symptoms of food induced ill health?

- Be able to state the common symptoms of food induced ill health
- Be able to relate the symptoms to possible causes of illness

Be able to identify potential sources of pathogens from description of symptoms and foods consumed

Symptoms comparison

Intolerance	Allergy	Poisoning
Hours to days to see effect	Can occur within minutes of exposure to food	From 30 min for toxins 12-48 hours bacterial
Digestive system cant process the food	Immune response to allergen	Bacteria poison or disrupt digestive system
Possible to eat a small amount without effect	Body reacts to tiny amounts of food	Toxins- few bacteria Large amounts colonise gut
Stop eating the food and it goes away	May need adrenaline or anti histamines	Runs its course of illness then ends
Easier to detect the food	Allergens may be small amount in ingredients	No smell, no taste, no sign
Symptoms if you eat a lot or frequently	Symptoms every time even tiny amounts	Symptoms if the food is contaminated
Moderate to serious illness	Can be fatal	Serious illness to fatal

Food intolerance

Mouth ,may be sore, bad breath

Skin rash, redness, itching swelling eczema

Gut abdominal pain, bloating, heartburn, cramping, vomiting, diarrhoea or constipation

Lungs chronic cough, wheezing

Head headache, brain fogginess, migraines

Perception irritable, moody, panic, depression



Food allergy

Mouth swelling of lips, mouth and tongue Eyes and nose stuffy nose, sneezing, swollen eyes, itchy red eyes Skin rash, redness, itching swelling Gut abdominal pain, colic, nausea vomiting, diarrhoea Throat tightening of throat, difficulty swallowing, coughing, sounds when breathing in Lungs short of breath, wheezing, coughing, chest pain Circulation, low blood pressure, weak pulse, turning blue, dizziness fainting, chest pain Perception sense of doom, panic, anxiety



Food poisoning

Mouth increase in saliva

Head headache

Skin fever, shivering

Gut abdominal pain, nausea vomiting, diarrhoea

Circulation, low blood pressure, weak pulse, fatigue

1 × × × 1 1

Steve

Steve often got diarrhoea at lunchtime at work. One morning he got up really late and skipped breakfast and noticed he didn't have diarrhoea that day

When he thought about it, he didn't get diarrhoea if he had toast and peanut butter for breakfast but he did when he had a bowl of cereals and milk in the mornina.

- 1. What is the most likely cause of Steve's diarrhoea?
- 2. What else could he have for breakfast to ensure it didn't happen again?

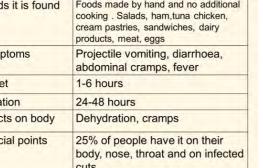
Anna

Anna and Steve went to their company summer barbeque where one of the men from accounts took charge of the cooking. He had bought the sausages the day before and kept them and the salads in the supermarket bag beside the barbeque.

When they got back home Anna began to feel ill and then was violently sick. Later Steve had the same sickness. Anna was sure it was something they had eaten. Then Steve told her that there weren't enough sausages and he had a vegetarian hot dog.

- 1. What could have been the source of the food poisoning? 2. What is the most likely bacterium to have caused the
- illness?

oods it is found	Rice, leftover food, foods at ro temperature, sauces and soup	
ymptoms	1)Watery diarrhoea, cramps, 2)vomiting and nausea	
nset	1) 30 min-6 hrs 2) 6-15 hours	
uration	24 hours	
ffects on body	Dehydration, fatigue	
pecial points	Produced toxins, only a few bacteria needed Can be anaerot	



Alex





Alex met Sue from the office at the barbeque, the next weekend she invited him over for a meal. Sue decided to impress Alex by cooking a Chinese stir fry with authentic ingredients like spring onion, ginger and groundnut oil.

Alex liked the stir fry but his lips started to sting after eating it. then his mouth started to swell and he had trouble swallowing and breathing. Sue called the ambulance and their romantic night ended with Alex in a hospital bed on a drip of anti histamine until he felt better

- 1. What was the reaction that Alex had called?
- 2. What could have caused him to have the reaction?

Sue

Alex decided to make it up to Sue by taking her to lunch in the works canteen .

Alex had the fish and chips and Sue had the Bolognese which was served from a big pan over the spaghetti. It wasn't as hot as Sue would have liked, it was just warm but she ate it anyway.

The next morning Sue texted Alex to say that she had been up most of the night with feeling hot and cold, stomach cramps and diarrhoea. Another "romantic" meal ruined!

1. What could have been in the Bolognese that made Sue ill? 2. Sue had food poisoning so why wasn't she vomiting as well?

The wedding

Alex and Sue got in so well they got married the next summer. Alex made sure the caterers knew about his peanut allergy and Steve's lactose intolerance.

The day went without a hitch and the guests all loved the food buffet.

When they got back from honeymoon, Sue's mum phoned to say that 20 guests had been really ill 2-3 days after the wedding. Auntie Betty had ended up in hospital with

dehydration after vomiting and diarrhoea and blamed the undercooked chicken from the buffet. The caterer said he had stored the chicken in the fridge before serving it so it wasn't to blame.

- 1. Which bacterium could have caused the illness?
- 2. How did you decide which bacterium?
- 3. Who should Sue's mum have contacted to investigate?

The investigation

Auntie Betty's doctor was concerned that she was so ill after the wedding and made the phone call to Stentonshire councils Environmental health department.

Sarah the EHO was concerned about the incidents and decided to pay the catering company a visit to inspect them. The caterer wasn't pleased that she turned up unannounced but he let her in to inspect his kitchens

- 1. Does Sarah (EHO) need to let the catering company know she is going to visit?
- 2. Which food safety legislation should the caterer be following?
- 3. Give 6 powers that EHOs have while inspecting premises

The inspection

The EHO carried out the inspection on the caterer's premises and took the samples away to be analysed.

Following the inspection, she issued the caterer with a food hygiene ratings score of 1 and a hygiene improvement notice and closed the kitchens for 14 days to carry out deep cleaning and train the workers in food hygiene. The samples were tested and the laboratory confirmed that the cause of the food poisoning incident was Salmonella. The caterer made such an improvement to his kitchens that the Environmental health team decided not to prosecute. New salmonella species are often named after the town they are discovered in and the new one was named Salmonella stenton

- 1. Name 4 types of samples Sarah would have taken
- 2. What would be the consequences for the business of being closed for 14 days and a hygiene ratings score of 1?
- 3. What are the penalties of being prosecuted by the EHO?