

Hospitality & Catering Topic & Content	Careers & Useful Links
<p>The Hospitality & Catering Industry <i>Content:</i></p> <ul style="list-style-type: none"> • Commercial vs non-commercial providers. • Types of service (residential, non-residential, contract). • Rating systems and industry structure. <p><i>Potential links to Maths & Science:</i> Analyzing statistical trends in local/global tourism; calculating room occupancy rates and seasonal demand curves.</p>	<p>Careers:</p> <ol style="list-style-type: none"> 1. Hotel General Manager (High: oversees all operations, finance, and staff) 2. Events Coordinator (Medium: plans and organizes large-scale conferences/functions) 3. Contract Caterer (Medium: provides large-scale food services for schools/hospitals) 4. Concierge (Low-Medium: front-line customer service and local area expert) <p>Useful Links:</p> <ul style="list-style-type: none"> • BBC Bitesize: Jobs in Travel and Tourism • NCS: Hotel Manager • icould: Watch videos on Leisure, Sport and Tourism
<p>Job Roles, Conditions & Training <i>Content:</i></p> <ul style="list-style-type: none"> • Organizational hierarchy (management to operatives). • Shift patterns, working conditions, and contracts. • Training requirements and progression routes. <p><i>Potential links to Maths & Science:</i> Calculating working hours, payroll, shift rotas, and interpreting graphs/data regarding staffing needs.</p>	<p>Careers:</p> <ol style="list-style-type: none"> 5. HR Manager (Hospitality) (High: manages employment law, hiring, and staff welfare) 6. Apprenticeship Coordinator (Medium: bridges the gap between colleges and hospitality venues) 7. Recruitment Consultant (Medium: specializes in sourcing chefs and hotel staff) 8. Hospitality Assessor/Trainer (Medium: visits workplaces to assess vocational skills) <p>Useful Links:</p> <ul style="list-style-type: none"> • BBC Bitesize: What is it like to work in Human Resources? • NCS: Human Resources Officer • icould: Watch videos on Education and Training
<p>Health, Safety & Risk Assessment <i>Content:</i></p> <ul style="list-style-type: none"> • HASAWA, employer/employee responsibilities. • Risk assessments, fire safety, and manual handling. • COSHH (Control of Substances Hazardous to Health). <p><i>Potential links to Maths & Science:</i> Understanding chemical compositions of cleaning agents (COSHH); calculating risk matrices (probability x severity)</p>	<p>Careers:</p> <ol style="list-style-type: none"> 9. Environmental Health Officer (High: enforces public health and safety legislation) 10. Health & Safety Inspector (High: audits venues for legal compliance and hazard reduction) 11. Food Hygiene Auditor (Medium-High: conducts independent safety checks on suppliers) 12. Pest Control Technician (Low-Medium: uses chemical/biological science to eradicate pests) <p>Useful Links:</p> <ul style="list-style-type: none"> • BBC Bitesize: Jobs that use Law • NCS: Environmental Health Professional • NCS: Pest Control Technician

<p>Food Safety & Microbiology Content:</p> <ul style="list-style-type: none"> • Food Safety Act and allergens. • Pathogenic bacteria (Salmonella, E. coli). • Conditions for bacterial growth (time, warmth, food, moisture). <p>Potential links to Maths & Science: Understanding microbial growth curves (binary fission), pH levels, and precise temperature control parameters (danger zone 5°C-63°C).</p>	<p>Careers:</p> <ol style="list-style-type: none"> 13. Food Microbiologist (High: researches pathogens and spoilage organisms) 14. Public Health Analyst (High: tracks and analyses data on foodborne illness outbreaks) 15. Allergen Compliance Officer (Medium: ensures strict scientific separation of food allergens) 16. Laboratory Technician (Food Testing) (Low-Medium: tests swabs and food samples for bacteria) <p>Useful Links:</p> <ul style="list-style-type: none"> • BBC Bitesize: Jobs that use Biology • NCS: Microbiologist • icould: Watch videos on Science careers
<p>Nutrition & Menu Planning Content:</p> <ul style="list-style-type: none"> • Macronutrients and micronutrients. • Diet through life stages (children, adults, elderly). • Special diets (vegan, coeliac, lactose intolerant). <p>Potential links to Maths & Science: Calculating Basal Metabolic Rate (BMR) and Physical Activity Level (PAL); biological values of proteins; analyzing nutritional data per 100g.</p>	<p>Careers:</p> <ol style="list-style-type: none"> 17. Sports Nutritionist (High: designs precise macro/micro diets for athletes) 18. Menu Development Consultant (High: creates nutritionally balanced commercial menus) 19. Early Years Nutrition Advisor (Medium: ensures nurseries meet scientific dietary guidelines) 20. Care Home Catering Supervisor (Medium: manages texture-modified and health-specific diets) <p>Useful Links:</p> <ul style="list-style-type: none"> • BBC Bitesize: Jobs in Healthcare and Medicine • NCS: Sports Professional (Nutrition focus) • NCS: Nutritional Therapist
<p>Environmental Issues & Sustainability Content:</p> <ul style="list-style-type: none"> • Reducing waste, packaging, and the carbon footprint. • Seasonal and local sourcing. • Water and energy conservation in commercial kitchens. <p>Potential links to Maths & Science: Calculating "food miles" and carbon emission data; measuring food waste volume/mass; thermodynamics of energy conservation.</p>	<p>Careers:</p> <ol style="list-style-type: none"> 21. Sustainability Director (Hospitality) (High: oversees eco-strategies for large hotel chains) 22. Supply Chain Manager (Ethical Sourcing) (High: tracks the environmental impact of global food sourcing) 23. Waste Reduction Consultant (Medium: audits businesses to reduce food/energy waste) 24. Farm-to-Table Coordinator (Medium: links local agriculture directly with restaurant kitchens) <p>Useful Links:</p> <ul style="list-style-type: none"> • BBC Bitesize: Jobs that use Geography and Environment

<p>Cooking Methods & Food Science <i>Content:</i></p> <ul style="list-style-type: none"> • Heat transfer (conduction, convection, radiation). • Cooking methods (boiling, baking, grilling, frying). • Scientific changes (gelatinisation, dextrinisation, coagulation). <p><i>Potential links to Maths & Science:</i> Understanding chemical reactions (Maillard reaction, denaturing proteins); strict ratios for doughs/pastries; physics of heat transfer.</p>	<p>Careers:</p> <p>29. Molecular Gastronomist (High: uses chemistry/physics to create innovative dining experiences)</p> <p>30. Flavour Chemist / Flavourist (High: develops new synthetic and natural flavour profiles)</p> <p>31. Recipe Developer / Tester (Medium: uses scientific testing to ensure recipes scale accurately)</p> <p>32. Artisanal Cheesemaker (Medium: uses biology and temperature control to craft dairy products)</p> <p>Useful Links:</p> <ul style="list-style-type: none"> • BBC Bitesize: Jobs that use Physics • NCS: Food Technologist • NCS: Farmer/Producer (Artisanal)
<p>Customer Service & Meeting Needs <i>Content:</i></p> <ul style="list-style-type: none"> • Types of customer service (table, counter, self-service). • Resolving complaints and understanding consumer rights. • Adapting to diverse customer demographics. <p><i>Potential links to Maths & Science:</i> Statistical analysis of customer satisfaction scores; calculating average wait times, table turnover rates, and service efficiency metrics.</p>	<p>Careers:</p> <p>33. Guest Relations Director (High: manages the complete customer experience strategy)</p> <p>34. Wedding Planner (Medium: orchestrates complex hospitality logistics for clients)</p> <p>35. Maître d'hôtel (Medium: manages front-of-house operations and dining room flow)</p> <p>36. Sommelier / Wine Expert (Medium: understands the chemistry of wine pairing and customer tastes)</p> <p>Useful Links:</p> <ul style="list-style-type: none"> • BBC Bitesize: Jobs in Retail and Customer Services • NCS: Wedding Planner • NCS: Sommelier
<p>Operations & Kitchen Layout <i>Content:</i></p> <ul style="list-style-type: none"> • Workflow (delivery, storage, preparation, cooking, holding, serving). • Kitchen design to prevent cross-contamination. • Equipment selection and maintenance. <p><i>Potential links to Maths & Science:</i> Using scale to design floor plans; optimizing geometric space for workflow; calculating refrigeration capacity and thermal efficiency.</p>	<p>Careers:</p> <p>25. Facilities Manager (Hospitality) (High: manages the physical building, utilities, and infrastructure)</p> <p>26. Kitchen Space Planner / Designer (Medium-High: uses CAD to design ergonomic commercial kitchens)</p> <p>27. Logistics Coordinator (Food Delivery) (Medium: uses route-planning math to distribute food efficiently)</p> <p>28. Catering Equipment Technician (Medium: installs and repairs complex commercial ovens/fridges)</p> <p>Useful Links:</p> <ul style="list-style-type: none"> • BBC Bitesize: What is it like to be a Facilities Manager? • NCS: Facilities Manager • NCS: Refrigeration and Air-Conditioning Installer