

# Higher Chemistry

## and Careers in Chemistry

Find examples of relevant careers for subsections of the curriculum and link through to job profiles for further information. The profiles will give your students real world examples of jobs in the aspects of chemistry they enjoy most. They are written by teachers for teachers.

Simply click on the job title to go to the job profile on A Future in Chemistry.

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## and Careers in Chemistry

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## Unit 1 – Chemical Changes and Structures

### 1a Periodicity

- › Head of Chemistry and Science Teacher
- › Scientist, Engineer and Science Communicator

### 1b Structure and Bonding

- › Advanced Apprentice – Forensics
- › Analytic Scientist, Pharmaceuticals
- › Assistant Analyst, Drug Control Centre
- › Associate Researcher, Pharmaceuticals
- › Astrochemist
- › Atmospheric Chemist
- › Cancer Researcher and Science Communicator
- › Chemical Industrial Placement
- › Chief Chemist
- › Consumer Products Technician
- › Director of Medicinal Chemistry, GSK
- › Environmental Chemist
- › Experimental Chemist
- › Fine Fragrance Evaluator
- › Forensic Scientist
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Medicinal Chemist
- › Patent Attorney
- › PhD Student
- › Postdoctoral Research Associate
- › Project Leader in Enhanced Experimentation, Shell

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## Unit 1 – Chemical Changes and Structures

### 1b Structure and Bonding

- › Quality Assurance Chemist
- › Registered Scientist, Water Analysis
- › Research Fellow
- › Researcher
- › Scientific Associate
- › Scientist, Engineer and Science Communicator
- › Senior Analytical Systems Technician
- › Skincare Company Founder
- › Sports Scientist
- › Sustainability Consultant
- › Sustainability Manager
- › Vice President of Research and Development

### 1c Oxidising and Reducing Agents

- › Environmental Chemist
- › Experimental Chemist
- › Head of Chemistry and Science Teacher
- › PhD Student

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## Unit 2 – Nature's Chemistry

### 2a Systematic Carbon Chemistry

- › Advanced Apprentice – Forensics
- › Applications Chemist

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## Unit 2 – Nature’s Chemistry

### 2a Systematic Carbon Chemistry

- › Associate Researcher, Pharmaceuticals
- › Atmospheric Chemist
- › Cancer Researcher and Science Communicator
- › Chemical Industrial Placement
- › Consumer Products Technician
- › Director of Medicinal Chemistry
- › Environmental Chemist
- › Experimental Chemist
- › Fine Fragrance Evaluator
- › Flavour Chemist and Innovation Director
- › Forensic Scientist
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Medical Research Council Board Secretary
- › Medicinal Chemist
- › PhD Student
- › Researcher
- › Scientific Associate
- › Skincare Company Founder
- › Sports Scientist

### 2b Alcohols

- › Applications Chemist
- › Consumer Products Technician
- › Fine Fragrance Evaluator
- › Flavour Chemist and Innovation Director
- › Forensic Scientist
- › Head of Chemistry and Science Teacher

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## Unit 2 – Nature’s Chemistry

### 2b Alcohols

- › Household Goods Scientist
- › Medical Research Council Board Secretary
- › Medicinal Chemist

### 2c Carboxylic Acids

- › Applications Chemist
- › Consumer Products Technician
- › Flavour Chemist and Innovation Director
- › Forensic Scientist
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Medical Research Council Board Secretary
- › Medicinal Chemist

### 2d Esters, Fats & Oils

- › Applications Chemist
- › Consumer Products Technician
- › Fine Fragrance Evaluator
- › Flavour Chemist and Innovation Director
- › Forensic Scientist
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Medical Research Council Board Secretary
- › Medicinal Chemist
- › Skincare Company Founder

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## Unit 2 – Nature’s Chemistry

### 2e Soaps, Detergents & Emulsions

- › Applications Chemist
- › Consumer Products Technician
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Skincare Company Founder

### 2f Proteins

- › Applications Chemist
- › Cancer Researcher and Science Communicator
- › Consumer Products Technician
- › Flavour Chemist and Innovation Director
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Postdoctoral Research Associate
- › Sports Scientist

### 2g Oxidation of Food

- › Applications Chemist
- › Consumer Products Technician
- › Flavour Chemist and Innovation Director
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Sports Scientist

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## Unit 2 – Nature’s Chemistry

### 2h Fragrances

- › Applications Chemist
- › Consumer Products Technician
- › Fine Fragrance Evaluator
- › Flavour Chemist and Innovation Director
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Skincare Company Founder

### 2i Skin Care

- › Applications Chemist
- › Atmospheric Chemist
- › Consumer Products Technician
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Skincare Company Founder

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## Unit 3 – Chemistry in Society

### 3a Getting the Most from Reactants

- › Advanced Apprentice – Forensics
- › Analytical Scientist, Pharmaceuticals
- › Assistant Analyst, Drug Control Centre
- › Chemical Industrial Placement

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## Unit 3 – Chemistry in Society

### 3a Getting the Most from Reactants

- › Chief Chemist
- › Director of Medicinal Chemistry
- › Forensic Scientist
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Medicinal Chemist
- › Project Leader in Enhanced Experimentation, Shell
- › Quality Assurance Chemist
- › Registered Scientist, Water Quality
- › Scientific Associate
- › Senior Analytical Systems Technician
- › Sustainability Consultant
- › Sustainability Manager

### 3b Controlling the Rate

- › Director of Medicinal Chemistry
- › Head of Chemistry and Science Teacher
- › Project Leader in Enhanced Experimentation, Shell
- › Quality Assurance Chemist
- › Scientific Associate
- › Senior Analytical Systems Technician
- › Sustainability Consultant
- › Sustainability Manager



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## Unit 3 – Chemistry in Society

### 3c Chemical Energy

- › Astrochemist
- › Atmospheric Chemist
- › Environmental Chemist
- › Head of Chemistry and Science Teacher
- › PhD Student
- › Project Leader in Enhanced Experimentation, Shell
- › Sports Scientist
- › Sustainability Consultant
- › Sustainability Manager

### 3d Equilibria

- › Atmospheric Chemist
- › Environmental Chemist
- › Head of Chemistry and Science Teacher
- › Project Leader in Enhanced Experimentation, Shell

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## Unit 3 – Chemistry in Society

### 3e Chemical Analysis

- › Advanced Apprentice, Forensics
- › Analytical Scientist, Pharmaceuticals
- › Applications Chemist
- › Assistant Analyst, Drug Control Centre
- › Associate Researcher, Pharmaceuticals
- › Atmospheric Chemist
- › Chemical Industrial Placement
- › Director of IRC in Biomedical Materials
- › Director of Medicinal Chemistry
- › Environmental Chemist
- › Experimental Chemist
- › Fine Fragrance Evaluator
- › Forensic Scientist
- › Head of Chemistry and Science Teacher
- › Medicinal Chemist
- › Patent Attorney
- › PhD Student
- › Postdoctoral Research Associate
- › Project Leader in Enhanced Experimentation, Shell
- › Quality Assurance Scientist
- › Registered Scientist
- › Research Fellow
- › Researcher

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### Unit 3 – Chemistry in Society

#### 3e Chemical Analysis

- › Scientific Associate
- › Senior Analytical Systems Technician
- › Sports Scientist
- › Sustainability Manager
- › Vice President of Research and Development

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### Unit 4 – Researching Chemistry

#### 4a Common Chemical Apparatus

- › Advanced Apprentice – Forensics
- › Analytical Scientist, Pharmaceuticals
- › Applications Chemist
- › Assistant Analyst, Drug Control Centre
- › Assistant Manager, Publishing
- › Associate Researcher, Pharmaceuticals
- › Chief Chemist
- › Chemical Industrial Placement
- › Consumer Products Technician
- › Director of Medicinal Chemistry
- › Environmental Chemist
- › Experimental Chemist

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## Unit 4 – Researching Chemistry

### 4a Common Chemical Apparatus

- › Flavour Chemist and Innovation Director
- › Forensic Scientist
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Medicinal Chemist
- › Patent Attorney
- › PhD Student
- › Postdoctoral Research Associate
- › Project Leader in Enhanced Experimentation, Shell
- › Quality Assurance Chemist
- › Registered Scientist, Water Analysis
- › Research Fellow
- › Research Portfolio Director
- › Researcher
- › Scientific Associate
- › Scientist, Engineer and Science Communicator
- › Senior Analytical Systems Technician
- › Skincare Company Founder
- › Sports Scientist
- › Vice President of Research and Development

### 4b General Practical Techniques

- › Advanced Apprentice – Forensics
- › Analytical Scientist, Pharmaceuticals
- › Applications Chemist
- › Assistant Analyst, Drug Control Centre
- › Assistant Manager, Publishing

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## Unit 4 – Researching Chemistry

### 4b General Practical Techniques

- › Associate Researcher, Pharmaceuticals
- › Chief Chemist
- › Chemical Industrial Placement
- › Consumer Products Technician
- › Director of IRC in Biomedical Materials
- › Director of Medicinal Chemistry
- › Environmental Chemist
- › Experimental Chemist
- › Flavour Chemist and Innovation Director
- › Forensic Scientist
- › Head of Chemistry and Science Teacher
- › Household Goods Scientist
- › Medicinal Chemist
- › Patent Attorney
- › PhD Student
- › Postdoctoral Research Associate
- › Project Leader in Enhanced Experimentation, Shell
- › Quality Assurance Chemist
- › Registered Scientist, Water Analysis
- › Research Fellow
- › Research Portfolio Director
- › Researcher
- › Scientific Associate
- › Scientist, Engineer and Science Communicator
- › Senior Analytical Systems Technician
- › Skincare Company Founder
- › Sports Scientist
- › Sustainability Consultant

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## Unit 4 – Researching Chemistry

### 4b General Practical Techniques

- › Sustainability Manager
- › Vice President of Research and Development

### 4c Reporting Experimental Work

- › Advanced Apprentice – Forensics
- › Analytical Scientist, Pharmaceuticals
- › Applications Chemist
- › Assistant Analyst, Drug Control Centre
- › Assistant Manger, Publishing
- › Associate Researcher, Pharmaceuticals
- › Astrochemist
- › Atmospheric Chemist
- › Cancer Researcher and Science Communicator
- › Chemical Industrial Placement
- › Chief Chemist
- › Consumer Products Technician
- › Development Executive
- › Director of Enterprise and Communication
- › Director of IRC in Biomedical Materials
- › Director of Medicinal Chemistry
- › Environmental Chemist
- › Experimental Chemist
- › Finance and Planning Manager
- › Fine Fragrance Evaluator
- › Flavour Chemist and Innovation Director
- › Forensic Scientist
- › Freelance Science Publicist
- › Head of Chemistry and Science Teacher

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## Unit 4 – Researching Chemistry

### 4c Reporting Experimental Work

- › Lab Technician, Solar Panels (Higher Apprenticeship)
- › Households Goods Scientist
- › Investor Relations Manager
- › Medical Research Council Board Secretary
- › Medicinal Chemist
- › Patent Attorney
- › PhD Student
- › Picture Researcher
- › Policy Advisor
- › Policy Researcher
- › Postdoctoral Research Associate
- › Project Leader in Enhanced Experimentation Shell
- › Project Manager, World Gold Council
- › Quality Assurance Chemist
- › Registered Scientist, Water Analysis
- › Research Fellow
- › Research Portfolio Director
- › Researcher
- › Scientific Associate
- › Scientist, Engineer and Science Communicator
- › Senior Analytical Systems Technician
- › Senior Committee Specialist
- › Skincare Company Founder
- › Sports Scientist
- › Sustainability Consultant
- › Sustainability Manager
- › Tax Accountant
- › Vice President of Research and Development