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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Unit 1 – Chemical changes and structures

1a Periodicity
› Head of chemistry and science teacher
› Secondary school science teacher

1b Structure and bonding
› Advanced apprentice – forensics
› Associate researcher
› Astrochemist
› Atmospheric chemist
› Bioanalytical scientist
› Chief chemist
› Consumer products technician
› Director
› Director of medicinal chemistry
› Environmental chemist
› Fine fragrance evaluator
› Forensic scientist
› Head of chemistry and science teacher
› Household goods scientist
› Marketing development manager
› Patent attorney
› Postdoctoral research associate
› Project leader in enhanced experimentation
› Research fellow
› Scientific associate, NMR spectroscopy
› Secondary school science teacher
› Senior analytical systems technician
› Senior software developer
› Sports scientist
› Sustainability manager
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1c Oxidising and reducing agents
› Environmental chemist
› PhD researcher
› Head of chemistry and science teacher
› Secondary school science teacher

Unit 2 – Nature’s chemistry

2a Systematic carbon chemistry
› Advanced apprentice – forensics
› Associate researcher
› Forensic scientist
› Head of chemistry and science teacher
› Household goods scientist
› Medical research council board secretary
› Scientific associate, NMR spectroscopy
› Scientist, Incident Management & Crisis Resolution
› Secondary school science teacher
› Senior software developer
› Sports scientist

Last updated 2022
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Unit 2 – Nature’s chemistry

2b Alcohols

› Consumer products technician
› Development chemist, printing and inks
› Fine fragrance evaluator
› Flavour chemist and innovation director
› Forensic scientist
› Head of chemistry and science teacher
› Household goods scientist
› Medical research council board secretary
› Secondary school science teacher
› Senior science manager

2c Carboxylic acids

› Consumer products technician
› Flavour chemist and innovation director
› Forensic scientist
› Head of chemistry and science teacher
› Household goods scientist
› Medical research council board secretary
› Scientist, Incident Management & Crisis Resolution
› Secondary school science teacher
Unit 2 – Nature’s chemistry

2d Esters, fats and oils

› Associate principal scientist, food
› Consumer products technician
› Development chemist, printing and inks
› Fine fragrance evaluator
› Flavour chemist and innovation director
› Forensic scientist
› Head of chemistry and science teacher
› Head of research and sustainability
› Household goods scientist
› Medical research council board secretary
› Research & development team leader
› Scientist, Incident Management & Crisis Resolution
› Secondary school science teacher
› Senior software developer

2e Soaps, detergents and emulsions

› Analyst – higher apprentice, organic chemistry
› Consumer products technician
› Head of chemistry and science teacher
› Household goods scientist
› Postdoctoral research associate
› Secondary school science teacher
› Senior software developer
› Sports scientist
Unit 2 – Nature’s chemistry

2f Proteins

- Associate principal scientist, food
- Chief technology officer and co-founder of Lixea, a sustainable solutions company
- Consumer products technician
- Flavour chemist and innovation director
- Head of chemistry and science teacher
- Head of research and sustainability
- Household goods scientist

2g Oxidation of food

- Associate principal scientist, food
- Consumer products technician
- Flavour chemist and innovation director
- Head of chemistry and science teacher
- Household goods scientist

- Research & development team leader
- Scientist, Incident Management & Crisis Resolution
- Secondary school science teacher
- Senior software developer
- Sports scientist
Unit 2 – Nature’s chemistry

2h Fragrances

› Consumer products technician
› Fine fragrance evaluator
› Flavour chemist and innovation director
› Forensic toxicologist
› Head of chemistry and science teacher
› Household goods scientist
› Scientist, Incident Management & Crisis Resolution
› Secondary school science teacher
› Senior software developer

2i Skin care

› Atmospheric chemist
› Consumer products technician
› Head of chemistry and science teacher
› Household goods scientist
› Nanotoxicologist
› Secondary school science teacher
› Senior software developer
Unit 3 – Chemistry in society
3a Getting the most from reactants

› **Advanced apprentice – forensics**
› **Assistant analyst, drug control centre**
› **Bioanalytical scientist**
› **Bioleaching lab technician**
› **Chief chemist**
› **Chief technology officer and co-founder of a robotic chemists' company**
› **Director of medicinal chemistry**
› **Forensic scientist**
› **Forensic toxicologist**
› **Head of chemistry and science teacher**
› **Household goods scientist**
› **Process chemist – higher apprentice, pharmaceuticals**
› **Project leader in enhanced experimentation**
› **Scientific associate, NMR spectroscopy**
› **Secondary school science teacher**
› **Senior analytical systems technician**
› **Senior science manager**
› **Sustainability manager**
Unit 3 – Chemistry in society

3b Controlling the rate

- Chief executive officer, ViridiCO2
- Director of medicinal chemistry
- Head of chemistry and science teacher
- Process chemist – higher apprentice, pharmaceuticals
- Project leader in enhanced experimentation
- Research & development team leader
- Scientific associate, NMR spectroscopy

3c Chemical energy

- Astrochemist
- Atmospheric chemist
- Environmental chemist
- Head of chemistry and science teacher

3d Equilibria

- Atmospheric chemist
- Environmental chemist
- Head of chemistry and science teacher
Unit 3 – Chemistry in society

3e Chemical analysis

› Advanced apprentice – forensics
› Analyst – higher apprentice, organic chemistry
› Analytical chemist, healthcare
› Analytical chemists, Thames Water
› Analytical technician, plastics
› Assistant analyst, drug control centre
› Associate professor
› Associate researcher
› Atmospheric chemist
› Bioanalytical scientist
› Chief executive officer, ViridiCO2
› Chief technology officer and co-founder of a robotic chemists' company
› Computational toxicologist
› Director of IRC in biomedical materials
› Medicinal chemist, drug discovery
› Museum scientist
› Nanotoxicologist
› Patent attorney
› Pollution control officer
› Postdoctoral research associate
› Professor of environmental chemistry
› Project leader in enhanced experimentation
› Research assistant, healthcare
› Research fellow
› Research innovations manager
› Scientific associate, NMR spectroscopy
› Scientist, Incident Management & Crisis Resolution
› Secondary school science teacher
Unit 3 – Chemistry in society
3e Chemical analysis cont.

› Director of medicinal chemistry
› Environmental chemist
› Fine fragrance evaluator
› Forensic scientist
› Forensic toxicologist
› Head of chemistry and science teacher
› Laboratory analyst and higher degree apprentice, water
› Marine biogeochemist
› Senior analytical systems technician
› Senior principal scientist
› Soil scientist
› Sports scientist
› Sustainability manager
› Teaching technical specialist
› Toxicologist, chemical company
› University laboratory technician apprentice
Unit 4 – Researching chemistry

4a Common chemical apparatus

- Advanced apprentice – forensics
- Analyst – higher apprentice, organic chemistry
- Assistant analyst, drug control centre
- Associate researcher
- Bioanalytical scientist
- Chief chemist
- Chief executive officer, ViridiCO2
- Consumer products technician
- Director of medicinal chemistry
- Environmental chemist
- Flavour chemist and innovation director
- Forensic scientist
- Head of chemistry and science teacher
- Household goods scientist
- Museum scientist
- Patent attorney
- Postdoctoral research associate
- Process chemist – higher apprentice, pharmaceuticals
- Professor of environmental chemistry
- Project leader in enhanced experimentation
- Research fellow
- School science technician
- Scientific associate, NMR spectroscopy
- Secondary school science teacher
- Senior analytical systems technician
- Senior principal scientist
- Soil scientist
- Sports scientist
- Sustainability manager
- Teaching technical specialist
- Toxicologist, chemical company
- University laboratory technician apprentice
Unit 4 – Researching chemistry
4b General practical techniques

› Advanced apprentice – forensics
› Analyst – higher apprentice, organic chemistry
› Analytical chemist, healthcare
› Analytical chemists, Thames Water
› Assistant analyst, drug control centre
› Associate professor
› Associate researcher
› Bioanalytical scientist
› Chief chemist
› Chief technology officer and co-founder of a robotic chemists' company
› Consumer products technician
› Director of IRC in biomedical materials
› Director of medicinal chemistry
› Environmental chemist
› Household goods scientist
› Laboratory analyst and higher degree apprentice, water
› Museum scientist
› Patent attorney
› Postdoctoral research associate
› Process chemist – higher apprentice, pharmaceuticals
› Professor of environmental chemistry
› Project leader in enhanced experimentation
› Research fellow
› School science technician
› Scientific associate, NMR spectroscopy
› Secondary school science teacher
› Senior analytical systems technician
› Sports scientist
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Unit 4 – Researching chemistry
4b General practical techniques cont.

› Flavour chemist and innovation director
› Forensic scientist
› Forensic toxicologist
› Head of chemistry and science teacher
› Sustainability manager
› Teaching technical specialist
› Toxicologist, chemical company
› University laboratory technician apprentice

4c Reporting experimental work

› Advanced apprentice – forensics
› Analyst – higher apprentice, organic chemistry
› Analytical chemists, Thames Water
› Assistant analyst, drug control centre
› Associate professor
› Associate researcher
› Astrochemist
› Atmospheric chemist
› Bioanalytical scientist
› Bioremediation lab technician
› Chief chemist
› Chief executive officer, ViridiCO2
› Flavour chemist and innovation director
› Forensic scientist
› Freelance science publicist
› Head of chemistry and science teacher
› Household goods scientist
› Investor relations manager
› Lab technician, solar panels (higher apprentice)
› Marine biogeochemist
› Marketing development manager
› Medical research council board secretary
› Museum scientist
› Patent attorney
Unit 4 – Researching chemistry
4c Reporting experimental work cont.

› Chief technology officer and co-founder of a robotic chemists' company
› Consumer products technician
› Director of IRC in biomedical materials
› Director of medicinal chemistry
› Environmental chemist
› Executive editor, scientific publishing

› Finance and planning manager
› Fine fragrance evaluator
› Project manager
› Radioactive waste consultant
› Research assistant, healthcare
› Research fellow
› Research innovations manager
› Science communicator
› Scientific associate, NMR spectroscopy
› Scientist, Incident Management & Crisis Resolution
› Section leader, wind

› Picture researcher
› Policy advisor
› Policy researcher
› Pollution control officer
› Postdoctoral research associate
› Process chemist – higher apprentice, pharmaceuticals
› Professor of environmental chemistry
› Project leader in enhanced experimentation
› Senior analytical systems technician
› Senior committee specialist
› Senior director of chip research
› Senior principal scientist
› Soil scientist
› Sports scientist
› Sustainability manager
› Toxicologist, chemical company
› University laboratory technician apprentice