

# SQA

## National 5 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 Rates of reaction

- › [Chief chemist](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Director of medicinal chemistry](#)
- › [Head of chemistry and science teacher](#)
- › [Project leader in enhanced experimentation](#)
- › [Research & development team leader](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior principal scientist](#)
- › [Sustainability manager](#)

#### 1b Atomic structure and bonding related to properties of materials

- › [Bionanotechnology PhD student](#)
- › [Co-founder and machine learning lead of tech startup Ignota Labs](#)
- › [Director](#)
- › [Head of chemistry and science teacher](#)
- › [Head of computational toxicology](#)
- › [Head of toxicology](#)
- › [Laboratory scientist apprentice](#)
- › [Marketing development manager](#)
- › [Microplastics toxicologist](#)
- › [Nanotoxicologist](#)
- › [Research fellow](#)
- › [Science communicator](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Secondary school science teacher](#)
- › [Senior science manager](#)
- › [Senior software developer](#)
- › [Technical services chemist, cosmetics](#)

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#### 1c Formulae and reacting quantities

- › [Analytical chemists, Thames Water](#)
- › [Chief chemist](#)
- › [Chief technology officer and co-founder of a robotic chemists' company](#)
- › [Director of medicinal chemistry](#)
- › [Forensic scientist](#)
- › [Head of chemistry and science teacher](#)
- › [Household goods scientist](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Project leader in enhanced experimentation](#)
- › [School science technician](#)
- › [Scientific associate, NMR spectroscopy](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior science manager](#)
- › [Sustainability manager](#)
- › [Teaching technical specialist](#)

#### 1d Acids and bases

- › [Analyst – higher apprentice, organic chemistry](#)
- › [Analytical chemists, Thames Water](#)
- › [Associate professor](#)
- › [Atmospheric chemist](#)
- › [Chief chemist](#)
- › [Dermal toxicologist](#)
- › [Environmental chemist](#)
- › [Forensic scientist](#)
- › [Head of chemistry and science teacher](#)
- › [Head of computational toxicology](#)
- › [Principal air quality consultant](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Scientist, Incident Management & Crisis Resolution](#)
- › [Secondary school science teacher](#)

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### 1d Acids and bases continued

- › [Senior laboratory technician](#)
- › [Senior principal scientist](#)
- › [Teaching technical specialist](#)
- › [Toxicologist, chemical company](#)

## Unit 2 – Nature’s chemistry

### 2a Homologous series

- › [Atmospheric chemist](#)
- › [Chief chemist](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Head of chemistry and teacher](#)
- › [Head of computational toxicology](#)
- › [Marine biogeochemist](#)
- › [Principal air quality consultant](#)
- › [Pollution control officer](#)
- › [Professor of environmental chemistry](#)
- › [Project leader in enhanced experimentation](#)
- › [Secondary school science teacher](#)
- › [Senior principal scientist](#)

### 2b Everyday consumer products

- › [Associate principal scientist, food](#)
- › [Bionanotechnology PhD student](#)
- › [Consumer products technician](#)
- › [Dermal toxicologist](#)
- › [Development chemist, printing and inks](#)
- › [Fine fragrance evaluator](#)
- › [Flavourist and innovation director](#)
- › [Head of chemistry and teacher](#)
- › [Head of research and sustainability](#)
- › [Household goods scientist](#)
- › [Marketing development manager](#)
- › [Medicinal chemist, drug discovery](#)
- › [Museum scientist](#)
- › [Research & development team leader](#)
- › [Secondary school science teacher](#)
- › [Senior laboratory technician](#)

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#### 2b Everyday consumer products continued

- › [Senior science manager](#)
- › [Senior software developer](#)
- › [Technical services chemist, cosmetics](#)

#### 2c Energy from fuels

- › [Associate principal scientist, food](#)
- › [Chief chemist](#)
- › [Chief executive officer, ViridiCO2](#)
- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Director](#)
- › [Head of chemistry and teacher](#)
- › [Pollution control officer](#)
- › [Principal air quality consultant](#)
- › [Professor of environmental chemistry](#)
- › [Project leader in enhanced experimentation](#)
- › [Secondary school science teacher](#)
- › [Senior principal scientist](#)
- › [Senior science manager](#)

## Unit 3 – Chemistry in society

#### 3a Metals

- › [Associate professor and enterprise, partnerships and innovation lead](#)
- › [Bioleaching lab technician](#)
- › [Environmental process specialist](#)
- › [Head of chemistry and teacher](#)
- › [Laboratory scientist apprentice](#)
- › [Museum scientist](#)
- › [PhD researcher](#)
- › [Product and process development manager](#)
- › [Project manager](#)
- › [Research fellow, battery recycling](#)
- › [Science communicator](#)
- › [Scientific Consultant](#)
- › [Scientist, food and pharmaceuticals](#)
- › [Secondary school science teacher](#)
- › [Section leader, wind](#)
- › [Solar technology engineer](#)

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### 3b Plastics

- › [Analytical technician, plastics](#)
- › [Chief technology officer and co-founder of Lixea, a sustainable solutions company](#)
- › [Consumer products technician](#)
- › [Head of chemistry and teacher](#)
- › [Marketing development manager](#)
- › [Microplastics toxicologist](#)
- › [Nanotoxicologist](#)
- › [Professor of biorefineries](#)
- › [R&D Chemist](#)
- › [Research innovations manager](#)
- › [Secondary school science teacher](#)
- › [Section leader, wind](#)

### 3c Fertilisers

- › [Analyst – higher apprentice, organic chemistry](#)
- › [Chief scientist at agritech company, Lambda Energy](#)
- › [Dermal toxicologist](#)
- › [Environmental chemist](#)
- › [Head of chemistry and teacher](#)
- › [Head of toxicology](#)
- › [Secondary school science teacher](#)
- › [Scientist, food and pharmaceuticals](#)

### 3d Nuclear chemistry

- › [Analytical chemists, Thames Water](#)
- › [Dermal toxicologist](#)
- › [Forensic toxicologist](#)
- › [Head of chemistry and teacher](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Radioactive waste consultant](#)
- › [Secondary school science teacher](#)

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### 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 scientist, pharmaceuticals](#)
- › [Bioanalytical scientist](#)
- › [Chief technology officer and co-founder of a robotic chemists' company](#)
- › [Dermal toxicologist](#)
- › [Director](#)
- › [Forensic scientist](#)
- › [Forensic toxicologist](#)
- › [Head of chemistry and teacher](#)
- › [Head of toxicology](#)
- › [Laboratory analyst and higher degree apprentice, water](#)
- › [Laboratory scientist apprentice](#)
- › [Microplastics toxicologist](#)
- › [Museum scientist](#)
- › [Nanotoxicologist](#)
- › [Pollution control officer](#)
- › [Principal air quality consultant](#)
- › [Process chemist – higher apprentice, pharmaceuticals](#)
- › [Professor of environmental chemistry](#)
- › [Research assistant, healthcare](#)
- › [Secondary school science teacher](#)
- › [Senior analytical systems technician](#)
- › [Senior laboratory technician](#)
- › [Senior principal scientist](#)
- › [Senior science manager](#)
- › [Soil scientist](#)
- › [Sports scientist](#)
- › [Teaching technical specialist](#)
- › [Toxicologist, chemical company](#)
- › [University laboratory technician apprentice](#)

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