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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AS 1 – Basic concepts in physical and inorganic chemistry

1.1 Formulae, equations and amounts of substance
  › School science technician

1.2 Atomic structure
  › Research assistant, healthcare

1.3 Bonding
  › Analytical technician, plastics
  › Computational toxicologist
  › Research fellow
  › Science communicator
  › Associate principal scientist, food
  › Postdoctoral research associate
  › Research innovations manager
  › Toxicologist, chemical company
AS 1 – Basic concepts in physical and inorganic chemistry

1.4 Intermolecular forces

- Analytical technician, plastics
- Associate scientist, pharmaceuticals
- Development chemist, printing and inks
- Nanotoxicologist
- Science communicator
- Associate principal scientist, food
- Computational toxicologist
- Forensic toxicologist
- Research innovations manager
- Toxicologist, chemical company

1.5 Structure

- Analytical chemists, Thames Water
- Associate principal scientist, food
- Forensic toxicologist
- Research fellow
- Nanotoxicologist
- Toxicologist, chemical company
- Analytical technician, plastics
- Computational toxicologist
- Postdoctoral research associate
- Research innovations manager
- Science communicator
AS 1 – Basic concepts in physical and inorganic chemistry

1.6 Shapes of molecules and ions
› Postdoctoral research associate
› Nanotoxicologist

1.8 Halogens
› Analytical chemists, Thames Water

1.9 Acid-base titrations
› Analytical chemists, Thames Water
› Development chemist, printing and inks
› Laboratory analyst and higher degree apprentice, water
› School science technician

1.10 Qualitative tests
› Analytical chemists, Thames Water
› Laboratory analyst and higher degree apprentice, water
› School science technician
AS 2 – Further physical and inorganic chemistry and an introduction to organic chemistry

2.1 Formulae and amounts of a substance
› School science technician

2.2 Nomenclature and isomerism in organic compounds
› Associate principal scientist, food
› Nanotoxicologist
› Toxicologist, chemical company
› Computational toxicologist
› Research innovations manager

2.3 Alkanes
› Project leader in enhanced experimentation

2.4 Alkenes
› Analytical technician, plastics
› Research innovations manager
› Project leader in enhanced experimentation

2.6 Alcohols
› Forensic scientist
AS 2 – Further physical and inorganic chemistry and an introduction to organic chemistry

2.7 Infrared spectroscopy

› Analytical chemists, Thames Water
› Associate researcher
› Atmospheric chemist
› Chief technology officer
› Chief chemist
› Laboratory analyst and higher degree apprentice, water
› Research innovations manager
› Associate scientist, pharmaceuticals
› Astrochemist
› Bioanalytical scientist
› Development chemist, printing and inks
› Forensic toxicologist
› Nanotoxicologist
› Senior analytical systems technician

2.8 Energetics

› Chief chemist
› School science technician
› Project leader in enhanced experimentation

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A2 1 – Further physical and organic chemistry

4.2 Enthalpy, entropy and free energy

› Chief chemist
› Project leader in enhanced experimentation

4.5 Acid-base equilibria

› Analytical chemists, Thames Water
› Laboratory analyst and higher degree apprentice, water
› School science technician

4.6 Isomerism

› Associate principal scientist, food
› Research innovations manager
› Nanotoxicologist

4.7 Aldehydes and ketones

› Flavour chemist and innovation director

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A2 1 – Further physical and organic chemistry

4.9 Derivatives of carboxylic acids
› Flavour chemist and innovation director

4.10 Aromatic chemistry
› Household goods scientist  › Research fellow

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A2 2 – Analytical, transition metals, electrochemistry and organic nitrogen chemistry

5.1 Mass spectrometry

› Assistant analyst, drug control centre
› Analytical chemist, healthcare
› Analytical chemists, Thames Water
› Associate scientist, pharmaceuticals
› Bioanalytical scientist
› Chief technology officer
› Development chemist, printing and inks
› Forensic toxicologist
› Laboratory analyst and higher degree apprentice, water
› Research assistant, healthcare
› Research innovations manager
› Nanotoxicologist
A2 2 – Analytical, transition metals, electrochemistry and organic nitrogen chemistry

5.2 Nuclear magnetic resonance spectroscopy

› Analytical chemist, healthcare
› Associate scientist, pharmaceuticals
› Chief technology officer
› Forensic toxicologist
› Nanotoxicologist
› Scientific associate, NMR spectroscopy

› Analytical chemists, Thames Water
› Bioanalytical scientist
› Development chemist, printing and inks
› Laboratory analyst and higher degree apprentice, water
› Research innovations manager

5.3 Volumetric analysis

› Analytical chemists, Thames Water
› Laboratory analyst and higher degree apprentice, water

› Development chemist, printing and inks
› School science technician
A2 2 – Analytical, transition metals, electrochemistry and organic nitrogen chemistry

5.4 Chromatography

› Analytical chemist, healthcare
› Assistant analyst, drug control centre
› Bioanalytical scientist
› Development chemist, printing and inks
› Laboratory analyst and higher degree apprentice, water
› Research assistant, healthcare
› Scientific associate, NMR spectroscopy
› Analytical chemists, Thames Water
› Associate scientist, pharmaceuticals
› Chief technology officer
› Forensic toxicologist
› Nanotoxicologist
› Research innovations manager
› Senior analytical systems technician

5.5 Transition metals

› Chief technology officer
› Project manager
› Development chemist, printing and inks

5.6 Electrode potentials

› Patent attorney
A2 2 – Analytical, transition metals, electrochemistry and organic nitrogen chemistry

5.7 Amines
› Development chemist, printing and inks

5.9 Amino acids
› Nanotoxicologist
› Research innovations manager
› Postdoctoral research associate
› Sports scientist

5.10 Polymer chemistry
› Analytical technician, plastics
› Patent attorney
› Consumer products technician
› Research innovations manager
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A2 2 – Analytical, transition metals, electrochemistry and organic nitrogen chemistry

5.11 Chemistry in medicine

› Advanced apprentice – forensics
› Assistant analyst, drug control centre
› Associate scientist, pharmaceuticals
› Chief technology officer
› Director of medicinal chemistry
› Forensic toxicologist
› Patent attorney
› Scientific associate, NMR spectroscopy
› Analytical chemist, healthcare
› Associate researcher
› Bioanalytical scientist
› Director of IRC in biomedical materials
› Forensic scientist
› Nanotoxicologist
› Postdoctoral research associate
› Sports scientist

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