

A Future in Chemistry

At School:

Explore your options



About me

Branding and image area

Where I work

What inspired me to choose my career.
What is the “impact” of what I do

Sub Header

Sentence describing what I do
Sentence describing what I enjoy most about it
Sentences on how I got into it.

About you: don't know what do you want to do? That's ok!

First step: get to know yourself

What do you enjoy?

What is important to you?

How involved with science do you want to be?

How much studying do you want to do when you leave school?

Have you ruled anything out...Why?



Where do you want to work?



Academic organisation?

Part of a shared-interest-community, teaching courses, publishing papers.



Industry?

Good salaries, deadline-driven, careers in different areas across the business



SME – startup?

Fast-paced, more responsibility, learn on the job, opportunities to rise fast



Now...

Write down:

What you enjoy

What is important to you

One or two jobs you have ruled out and why



ROYAL SOCIETY
OF CHEMISTRY

Where
chemistry could
lead you



Chemistry is at the centre of everything you can see, smell, touch and taste

Chemistry helps protect and clean up the environment

Chemistry saves lives

Chemistry feeds the world

Chemistry helps solve crime

Chemistry helps solve the world's biggest challenges

Energy and the environment

Chemistry is helping us to cope with increasing pressures on energy, food, water and other scarce natural resources and to live more sustainably.

[Find out more](#)

Lifestyle and recreation

From skincare to sport... chemistry is all around us. Here are some of the ways that chemistry makes life more enjoyable.

[Find out more](#)

Human health

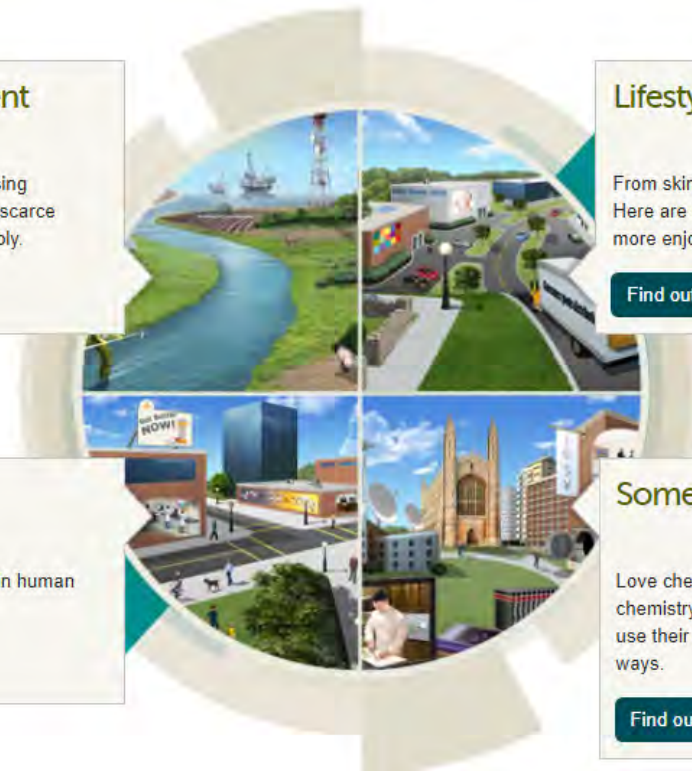
Chemistry is helping to improve and maintain human health for all in a rapidly changing world.

[Find out more](#)

Something different

Love chemistry but have no idea what to do with a chemistry qualification? Here's a range of people who use their chemistry skills and knowledge in unexpected ways.

[Find out more](#)



Learning chemistry gives you scientific literacy

To help you:

Appreciate what things are made of and how they work
e.g. understanding the ingredients on your cereal packet

Describe and explain natural occurrences

Make decisions on topical issues e.g. climate change,
vaccinations

Absorb and talk about science



Career quiz...

Fill in the questionnaire*

Please note: This quiz is a bit of fun that hopefully broadens your ideas of where studying chemistry could lead you.

It is in no way telling you what you should or shouldn't want to be!

*answer questions on next slide or on print out

QUIZ: Where could chemistry lead you?

Q1. Which kind of work appeals to you the most?

- A. Working with your hands
- B. Working with numbers and data
- C. Helping others
- D. Problem solving
- E. Something creative

Q2. My greatest strength is:

- A. My attention to detail
- B. Thinking logically
- C. Getting on with different types of people
- D. Working through a problem
- E. My imagination

Q3. In my spare time, I like to:

- A. Build things, arts and crafts
- B. Puzzles, strategy games,
- C. Meet lots of different people
- D. Read the news, discuss politics
- E. Read books, listen to music

Q4. Aside from science, which subjects at school do you enjoy the most?:

- A. Art/Textiles/Design tech
- B. Maths/ICT/Computer science
- C. Health and social care/Sociology
- D. History/Politics/Geography
- E. English/Music/Media

Q5. I would consider my life a success if I:

- A. Cured a disease
- B. Earned a lot of money
- C. Made a lot of people's lives better
- D. Fixed some of societies biggest issues
- E. Was able to express myself

Q6. Pick a word that most closely describes what you'd like the world to be in 10 years time:

- A. Healthy
- B. Prosperous
- C. Happy
- D. Harmonious
- E. Radiant

Check your answers

Your Score	Related jobs
Mostly As	<ul style="list-style-type: none"> Researcher Medicinal chemist Cosmetic scientist Biochemist Material scientist Oceanographer
Mostly Bs	<ul style="list-style-type: none"> Tax accountant Patent attorney Systems analyst Software designer
Mostly Cs	<ul style="list-style-type: none"> Teacher Doctor Vet Nurse Midwife
Mostly Ds	<ul style="list-style-type: none"> Forensic scientist Science policy advisor Politician Environmental scientist Conservationist Seismologist
Mostly Es	<ul style="list-style-type: none"> Games designer Food scientist Science journalist Art restorer Chef

Chemical scientists are paid well

- 15% higher starting salaries for chemistry graduates compared with graduate average
- Chemistry graduates have a high employment rate
- 70%+ of chemistry students enter a professional or managerial role after graduation
- Double the UK average go into further study after graduation



Learning chemistry teaches useful skills

Skills for successful careers:

- Problem solving
- Logical thinking
- Reasoning
- Computational skills
- Team working
- Communication



Picture: © Royal Society of Chemistry / Stephen Lake

Learning chemistry you could...

Become an:

Analytical chemist: you check what is in substances e.g. blood at a crime scene

Laboratory technician: you collect samples, analyse and perform tests on chemicals, materials or products.

Medicinal scientist: you design and develop medicine to treat disease

Production chemist: you develop products that are made from chemical reactions, such as oil, makeup and fertilisers

Research chemist: you study substances to create products and improve processes from new medical treatments to cosmetics, electrical goods, food and drink

Environmental chemist: you find out what is in the air, water, and soil to see what impact they have, and how human activity affects the environment.

Make a difference to our health by discovering new medicines



Develop ways of removing plastic waste from the oceans

What else you can do with chemistry?

From teaching and writing to the law and banking, employers value a chemistry qualification.

One chemistry graduate went on to be a Prime Minister!



Where can you work?

You could work at a

- Medicines, food, energy, materials, packaging, paint or chemicals company
- Hospital
- Environmental agency
- Consultancy
- University
- Government agency
- Public health laboratory
- Testing company

Anywhere



Meet some real chemists



Greg Foot



Deepika Kurup

What do a patent attorney, a writer and a researcher have in common?
They all have a chemistry qualification.

Break

Tell the person next to you what surprised you about the careers that are linked to chemistry

Ask the person next to you one thing that they think could be good for their future if they take a chemistry qualification



ROYAL SOCIETY
OF CHEMISTRY

Now what

Find out more...



A Future in Chemistry

Your career starts here

Discover your future
in chemistry with our
careers website

rsc.li/future-in-chemistry



Find out more about careers in chemistry

Ask questions, share ideas with

- teachers
- career leaders
- me

National careers service: *Browse 100s of roles*

nationalcareers.service.gov.uk/search-results?searchTerm=chemistry

#TeamScience: *Compare careers*

www.teamscience.org.uk/



Cancer Researcher and Science Communicator



Consumer Products Technician



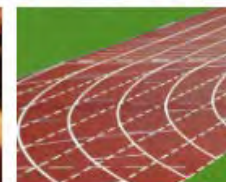
Founder of Saaf Skincare



Vice President of Research and Development



Freelance Science Publicist



Senior Sports Scientist



Project Leader In Enhanced Experimentation



Research Portfolio Director



Project Manager



Applications Chemist



Senior Committee Specialist



Research Fellow

Follow up activity

1. Choose a classmate to work with
2. Ask your partner a couple of questions about their interests, what they're good at, what they like at school.
3. Then find them some jobs you think they would like using:

- nationalcareers.service.gov.uk/
- www.rsc.org/careers/future/all-profiles

print-friendly version of the profiles at www.rsc.org/learn-chemistry/collections/faces-of-chemistry/careers-with-chemistry

Appendix

- Print-friendly version of the career quiz
- Useful weblinks

Where chemistry could lead you quiz

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Where chemistry could lead you quiz results

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Mostly Bs	Tax accountant Patent attorney Systems analyst Software designer
Mostly Cs	Teacher Doctor Vet Nurse Midwife
Mostly Ds	Forensic scientist Science policy advisor Politician Environmental scientist Conservationist Seismologist
Mostly Es	Games designer Food scientist Science journalist Art restorer Chef



Find out more at:

<http://www.rsc.org/careers/future/index>



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Useful weblinks

Teach Chemistry: Faces of Chemistry: printable career profiles

<http://www.rsc.org/learn-chemistry/collections/faces-of-chemistry/careers-with-chemistry>

LMI for all: compare upto three careers

<http://www.lmiforall.org.uk/widget/>

National careers service: *Browse 100s of roles* nationalcareers.service.gov.uk/search-results?searchTerm=chemistry

#TeamScience: *Compare careers*

www.teamscience.org.uk/