

Teacher - Secondary School - Chemistry with Science

Chemistry with science teachers prepare and give lessons in topics such as the nature of chemicals, plastics, fuels and metals. They work to guidelines set up by the Curriculum for Excellence and prepare pupils, aged 11 to 18, for national exams.

The Work

You could be:

- using a variety of teaching techniques such as demonstrations, experiments, discussions, projects and practical work
- using a range of materials including text books, worksheets, diagrams, computers, audio-visual aids and scientific apparatus
- organising and directing the whole class and helping individual pupils as required
- setting assignments, projects, tests and exams, preparing and carrying out continuous assessment, marking pupils' work and writing reports
- keeping good order in the classroom and dealing with discipline issues
- doing administrative work, including keeping a register of pupils
- preparing for and attending parent-teacher meetings and staff meetings
- sometimes supervising out of hours activities such as visits or social events
- meeting regularly with other departments to plan interdisciplinary projects.

Pay

Teachers in Scotland are paid on a national salary scale. The starting annual salary for a probationer teacher is £27,498 (April 2020).

If you do your probationary period on the Teacher Induction Scheme, and are prepared to work anywhere in Scotland during that probationary year, you can also apply for the Preference Waiver Payment. For secondary school teachers, the payment is £8,000 before tax and national insurance.

After your probationary year, your salary will increase to £32,994 and increase an increment each year up to £41,412.

If you teach in a remote school or on certain islands you may get an additional allowance. £2,157 for a distance island and £1,515 or £2,841 for a remote school.

Where a teacher is employed in a remote school on a distant island both the remote schools allowance and the distant islands allowance are paid, in addition to the teacher's normal salary.

A principal teacher earns between £45,150 and £58,269 a year, while the scale for depute head teachers and head teachers ranges from £51,207 to £98,808 a year, depending on the size of school.

Salaries in independent schools may differ slightly.

Conditions

- You would work in a classroom or laboratory.
- Your working hours are based on a 35-hour week, working in a classroom 9.00am to 3.30pm or 4.00pm. You would use the rest of the time for preparation and marking.
- You may have to do some preparation and assessment work at home, in the evenings or at weekends.
- You would have 13 weeks holiday each year, but would probably use some of this time to prepare the next term's work.
- You would have to prepare for and attend parent-teacher meetings, which are usually in the evening.
- You should be aware that teaching is a mentally and physically demanding job.

Getting In

To become a secondary school teacher of chemistry with science, you must have a degree in chemistry plus a Professional Graduate Diploma in Education (PGDE), or take a combined chemistry and teaching degree. The University of Strathclyde offer the MChem degree in Chemistry with Teaching, the University of Heriot-Watt and Stirling offer the degree in Professional Education (Secondary) and Chemistry, and the University of the West of Scotland offers BSc Hons Chemistry with Education.

Your degree

- For entry to a degree course in chemistry you need 4-5 good Highers, usually including chemistry and at least 1 other maths or science subject.
- You must also have Higher English and National 5 Maths. National 5 Applications of Maths is accepted in place of Maths.
- For the degree in Chemistry with Teaching at the University of Strathclyde you normally need 4 Highers at AABB or AAAC (ABBB for Widening Access), including English, Maths, Chemistry and one from Biology, Human Biology or Physics. Advanced Higher Maths and Chemistry is recommended.
- For the Professional Education and Chemistry degree at the University of Heriot-Watt and Stirling, you need 4 Highers at ABBB (first sitting) or AABB (two sittings) including English and Chemistry plus National 5 Maths at B.
- For the BSc Hons Chemistry with Education at the University of the West of Scotland you need 4 Highers at BBBC including Chemistry plus National 5 English and Maths. You must obtain Higher English before entering Year 3.
- Your degree should normally contain 80 Scottish Credit and Qualifications Framework (SCQF) credit points relevant to the subject including organic, physical and inorganic chemistry. 40 of the credit points must have been studied at SCQF level 8 (second year undergraduate level) or above.

PGDE

- For entry to the PGDE, you need an approved degree and Higher English and Maths at National 5 - some institutions specify at B. National 5 Applications of Maths is accepted in place of Maths.
- PGDE courses in Chemistry are available at Aberdeen, Dundee, Edinburgh, Glasgow, Strathclyde, the Highlands and Islands (at a number of colleges) and West of Scotland universities.
- There is a lot of competition for places in these courses. It helps if you have experience of working with

children or young people.

- For PGDE courses, apply through UCAS.

University of Dundee Supported Induction Route

- This is a route into teaching through the PGCE Secondary Education (with supported induction route). This combines the postgraduate education with the induction year training.
- For entry, your degree must contain 80 SCQF credit points relevant to the teaching qualification, including organic, physical and inorganic chemistry. 40 of the credit points must have been studied at SCQF Level 8 or above. You must also have Higher English plus Maths or Applications of Maths at National 5.

Alternative Routes

- There are a number of new teacher training programmes available, most linked to local authorities. See [Teach in Scotland](#) for full details and to see which subjects are covered.

You will require a satisfactory criminal record check from Disclosure Scotland to show that you are suitable for this type of work. Contact Disclosure Scotland for details on the type you would need.

Newly qualified teachers who want to teach in local council schools must complete a probationary period to demonstrate that they meet the Standard for Full Registration of the General Teaching Council for Scotland (GTC Scotland). Those who wish to teach in independent schools may also require to be registered.

You are guaranteed a teaching post with a Scottish local authority for a full school year to complete this probationary period.

What Does It Take

You need to have:

- an interest in child development and an understanding of how children learn
- patience and adaptability
- enthusiasm and energy
- confidence
- a firm and assertive approach when necessary
- good organisational skills
- a sense of humour and positive outlook.

You need to be able to:

- hold the attention of pupils of all abilities and encourage them
- work on your own and as part of a team
- stay calm under pressure
- get on well with other staff members, parents and carers.

Training

- You will do in-service training (often provided by local councils) throughout your teaching career.
- You might also take part time courses in specialist aspects of education, run by universities.

Getting On

- You may be promoted to be principal teacher or head of department.
- You may then become a depute head teacher and then a head teacher.
- You might move into related work such as learning support teaching, further education lecturing, advisory work, education authority administration or schools inspection.

More Information

Most teachers work in local authority schools but there are also jobs in independent schools, British schools abroad, such as schools for the children of British armed services and in private tuition.

Job vacancies are normally advertised on local authority websites or look on the myjobscotland website.

Contacts

Association for Science Education (ASE)

Tel: 01707 283000

Email: info@ase.org.uk

Website: www.ase.org.uk

Twitter: @theASE

Facebook: www.facebook.com/AssociationforScienceEducation

Disclosure Scotland

Tel: 03000 2000 40

Email: info@disclosurescotland.gov.scot

Website: www.mygov.scot/organisations/disclosure-scotland

Twitter: @DisclosureScot

Education Scotland

Tel: 0131 244 4330

Email: enquiries@educationscotland.gov.scot

Website: education.gov.scot

Twitter: @EducationScot

General Teaching Council for Scotland (GTC Scotland)

Tel: 0131 314 6000

Email: gtcs@gtcs.org.uk

Website: www.gtcs.org.uk

Twitter: @gtcs

Royal Society of Chemistry

Tel: 01223 432231

Website: www.rsc.org

Website (2): www.rsc.org/careers/future

Twitter: @RoySocChem

Facebook: www.facebook.com/RoyalSocietyofChemistry

Teach in Scotland

Tel: 0845 345 4745

Email: teachinscotland@gtcs.org.uk

Website: teachinscotland.scot

University and Colleges Admissions Service (UCAS)

Tel: 0371 468 0 468

Website: www.ucas.com

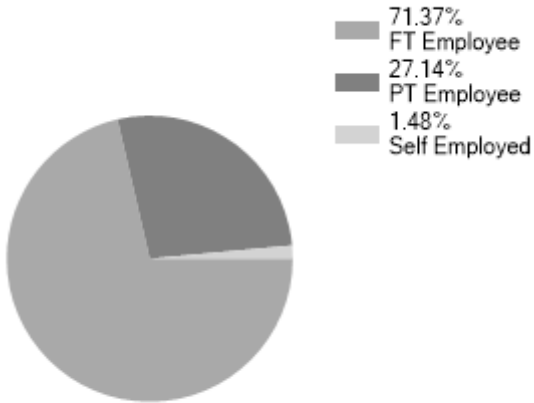
Website (2): www.ucas.com/postgraduate/teacher-training/train-teach-scotland

Twitter: @ucas_online

Facebook: www.facebook.com/ucasonline

Statistics

Employment Status UK %



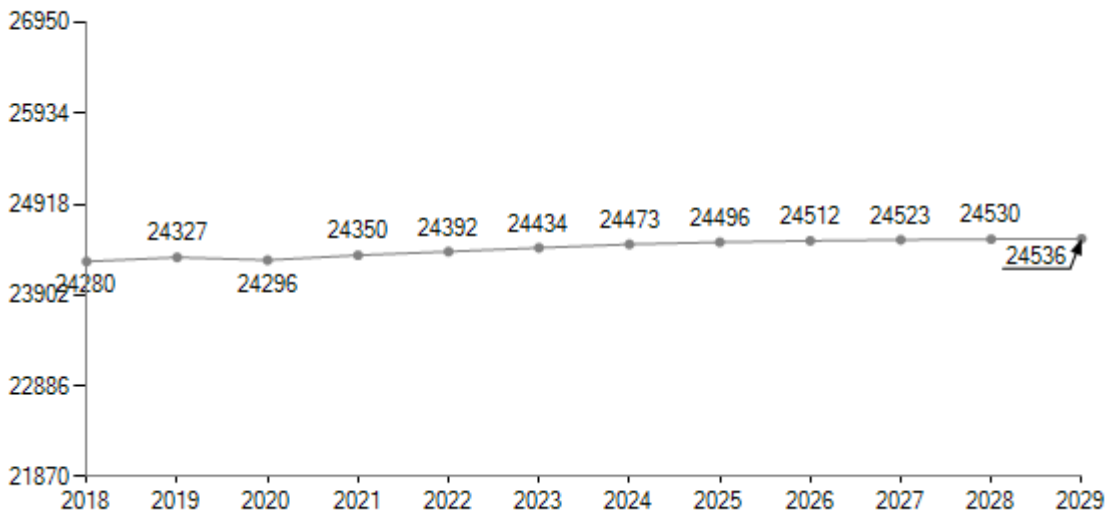
Past Unemployment - Scotland

Date	Unemployed
Dec 2018	0.02%

LMI data powered by [EMSI UK](#)

LMI data powered by [LMI for All](#)

Predicted Employment in Scotland



LMI data powered by [EMSI UK](#)