



Priory Road – Shrewsbury – SY1 1RX  
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## Teacher of Chemistry

Scale: SFC Scale 1 £20,933 to P3 £35,727  
(PSP applicable where appropriate)

Thank you for your interest in the post of Teacher of Chemistry at Shrewsbury Sixth Form College.

We are seeking to appoint an enthusiastic, imaginative and innovative teacher to join this successful department. The post is open to any suitable applicant, including newly-qualified teachers.

The Chemistry department at present comprises two full time teachers, and two part time teachers including the Head of Department. The position provides an opportunity to develop the subject and contribute to the continuing success of the department. All Chemistry staff are expected to contribute to the review and development of curriculum materials for the department.

The College is proud of the examination record of our students and pleased with the retention rate on all courses. The 2009 data is as follows:

Subject	Level	Total candidates	A – B %	A – C %	A – E %
Chemistry	AS	121	47	64	93
Chemistry	A2	66	73	86	100

There are now approximately 205 students taking AS / A2 courses. Attendance and retention is good throughout the two years with about 85 of AS students currently planning to continue on to A2. The successful applicant will be teaching classes in both year groups. Numbers have increased significantly over the last five years and during this period of growth we have maintained results consistently better than national averages, including value added comparisons.

Students follow the OCR A specification. They are provided with a comprehensive set of photocopied notes which were developed in-house and borrow a copy of the Heinemann OCR text book. In addition there is an extensive source of ICT materials for every topic; these are used both to support classroom teaching and also may be accessed independently by students via the College 'Moodle' internet provision. We follow the modular system and students are entered for exams in both January and June.

### AS Year 12

- **Atoms, Bonds and Groups**

Introduces some essential principles of Chemistry; what things are made of (elements); how these combine (chemical bonding); how we measure the amounts of things and how elements are arranged to form the Periodic Table. The behaviour of some elements is investigated.

Examination - 1 hour - 30% of AS, 15% of A level

- **Chains, Energy and Resources**

Looks at the chemistry of one very special element, carbon; the variety of carbon compounds and some ways in which new ones can be made, which is the basis of the pharmaceutical and petrochemical industries. Also investigates the nature of heat exchange during chemical changes, the importance of chemical fuels and considers green (environmentally sensitive) chemistry.

Examination - 1 hour 45 minutes - 50% of AS, 25% of A level

- **Practical Skills in Chemistry**

No exam: assessed during lessons - 20% of AS, 10% of A level

## **A2 Year 13**

- **Rings, Polymers and Analysis**

This module builds on the work on carbon chemistry started in the AS. It also looks at methods for analysing substances, including infra red and nuclear magnetic resonance spectroscopy.

Examination - 1 hour - 15% of A level

- **Equilibria, Energetics and Elements**

Investigates how fast chemical changes occur and how some may be reversed. The AS work relating to energy changes is developed further. Some chemistry of the Transition elements from the Periodic Table is introduced.

Examination - 1 hour 45 minutes - 25% of A level

- **Practical Skills in Chemistry for Year 2**

No exam: assessed during lessons - 10% of A level

All teaching takes place within two traditional laboratories over four sessions per week to give 4 hours 40 minutes contact time in most weeks of the academic year. The team has a commitment to develop students' individual practical skills and teachers are also encouraged to use demonstrations to illustrate theory as often as possible. The laboratories have not been significantly refurbished in recent years; however, the provision of equipment and chemicals is comprehensive and maintained each year. Each lab is equipped with a data projector and teacher PC. A class set of wireless laptops may be booked for individual ICT work within the laboratory.

Members of the Department are involved in various types of curriculum development and have successfully bid for additional funding to support this. Current interests are approaches to improving differentiated learning and to developing effective enrichment opportunities to inspire and extend students. Ideas for new initiatives will be most welcome and strongly supported by the Head of Chemistry. This reflective work has led members of the Chemistry team to share skills through delivering regular in-service training courses around the UK e.g. approaches to using ICT, practical skills for non-specialist teachers of chemistry (both for the Royal Society of Chemistry) and to students undergoing teacher training.

## **Teaching and Group Tutor Responsibilities:**

You will be required to teach AS and A2 Chemistry / be a Group Tutor

The following duties shall be deemed to be included in the professional duties which a teacher employed by a Sixth Form College may be required to perform.

### 1. Teaching

- (a) planning and preparing courses and lessons;
- (b) teaching, according to their educational needs, the students assigned to you including the setting and marking of work to be carried out by the student in college and elsewhere;
- (c) assessing, recording and reporting on the development, progress and attainment of students

in each case having regard to the curriculum for the college.

### 2. Other Activities

- (a) promoting the general progress and well-being of individual students and of any class or group of students assigned to you;
- (b) providing guidance and advice to students on educational and social matters and on their further education and future careers, including information about sources of more expert advice on specific questions; making relevant records and reports;
- (c) making records of and reports on the personal and social needs of students;
- (d) communicating and consulting with the parents of students;
- (e) communicating and co-operating with persons or bodies outside the college;
- (f) participating in meetings arranged for any of the purposes described above.

### 3. Assessments and Reports

Providing or contributing to oral and written assessments, reports and references relating to individual students and groups of students.

### 4. Educational Methods

Advising and co-operating with the Principal and other teachers (or any one or more of them) on the preparation and development of courses of study, teaching materials, teaching programmes, methods of teaching and assessment and pastoral arrangements.

5. Discipline, Health and Safety

Maintaining good order and discipline among the students and safeguarding their health and safety both when they are authorised to be on the College premises and when they are engaged in authorised college activities elsewhere.

6. Safeguarding and Well-being

- (a) Establish a purposeful and safe learning environment which complies with current legal requirements, national policies and guidance on the safeguarding and well-being of children and young people so that learners feel secure and sufficiently confident to make an active contribution to learning and to the college.
- (b) Make use of the college arrangements concerning the safeguarding of children and young people.

7. Staff Meetings

Participating in meetings at the college which relate to the curriculum for the college, or the administration or organisation of the college, including pastoral arrangements.

8. Public Examinations

Participating in arrangements for preparing students for public examinations and in assessing students for the purposes of such examinations; recording and reporting such assessments; and participating in arrangements for students' presentation for and supervision during such examinations.

9. Administration

- (a) participating in administrative and organisational tasks related to such duties as are described above, including the management or supervision of persons providing support for the teachers in the College and the ordering and allocation of equipment and materials;
- (b) registering the attendance of students and supervising students,

**PERSON SPECIFICATION**

<b>Qualifications</b>	<b>Essential</b>	<b>Desirable</b>	<b>Assessed by</b>
<ul style="list-style-type: none"> <li>Have a degree in the subject relevant to the course to be delivered</li> </ul>	✓		Application
<ul style="list-style-type: none"> <li>Possess a teaching qualification or be prepared to undertake a Further Education teaching qualification</li> </ul>	✓		Application
<b>Experience</b>			
<ul style="list-style-type: none"> <li>Have recent experience of teaching Chemistry at advanced level.</li> </ul>		✓	Application
<ul style="list-style-type: none"> <li>Have sound experience of tutorial provision – be able to provide pastoral support for students with varying needs and have a sympathetic and understanding attitude towards the needs of young people and disadvantaged groups.</li> </ul>		✓	Application
<b>Skills and Abilities</b>			
<ul style="list-style-type: none"> <li>Demonstrate excellent interpersonal communication skills</li> </ul>	✓		Interview
<ul style="list-style-type: none"> <li>Be able to adopt a variety of strategies to suit students' different learning styles</li> </ul>	✓		Application and interview
<ul style="list-style-type: none"> <li>Be flexible in approach and able to adapt to the differing needs of a wide range of teams across college</li> </ul>	✓		Application and interview
<ul style="list-style-type: none"> <li>Have the ability and interest to contribute to students' enrichment activities</li> </ul>	✓		Application and interview
<ul style="list-style-type: none"> <li>Possess excellent team skills and have the ability to contribute to the team and its goals. Be able to work independently and as a member of the team.</li> </ul>	✓		Application and interview
<ul style="list-style-type: none"> <li>Be well organised, reliable and punctual</li> </ul>	✓		Application and interview
<ul style="list-style-type: none"> <li>Possess good IT and administrative skills. Be able to keep accurate records of students' progress and keep an up-to date Record of Work.</li> </ul>	✓		Application and interview
<b>Knowledge and Understanding</b>			
<ul style="list-style-type: none"> <li>Enthusiasm for the subject and ability to impart this to students</li> </ul>	✓		Application and interview Micro teach
<ul style="list-style-type: none"> <li>Have a knowledge of A level specifications and curriculum initiatives</li> </ul>	✓		Application and interview. Micro teach
<ul style="list-style-type: none"> <li>Have an awareness of health and safety regulations and how they apply to the post</li> </ul>	✓		Application and interview. Micro teach
<ul style="list-style-type: none"> <li>Be able to demonstrate knowledge of and commitment to equal opportunities and how to incorporate it into teaching and learning.</li> </ul>	✓		Interview
<ul style="list-style-type: none"> <li>A clear commitment to the principals and practices of Every Child Matters (ECM), equality and diversity and the safeguarding of children</li> </ul>	✓		Interview

## Completing your application

### Data Protection Act 1998

Any personal data collected from applicants during the recruitment process will only be used for the purpose of recruitment within the college and will not be disclosed to any external sources without your express written consent. Records of the successful candidate will be placed on their personal files. Records of unsuccessful candidates will be destroyed after six months.

### Contract Details

The post is made on the terms and conditions of Teachers' in Sixth Form Colleges.

<b>Contract:</b>	Permanent
<b>Hours:</b>	Full Time
<b>Salary:</b>	Sixth Form Colleges Teachers Pay Spine: SFC Scale 1 £20,933 to P3 £35,727 (PSP applicable where appropriate) A 'Golden Hello' may be applicable for this post dependant on the applicant meeting specific criteria
<b>Start Date:</b>	1 September 2010
<b>Pension:</b>	Membership of the Teachers' Pension Scheme

#### 1. Application is by means of:

- a completed application form
- a completed Equal Opportunities Form
- a completed Disclosure Form

When completing your application please comply with all **instructions** detailed on the application form. You are asked NOT to send a CV.

The criteria in the enclosed person specification will be used to assist the short listing process. The specification identifies the minimum skills, experience and qualifications needed by you to carry out the job effectively. When completing your application you must ensure that you indicate how you meet these criteria.

#### 2. Referees

Two references will be requested. We expect one referee to be the head of the organisation where you are currently employed (if applicable). We normally write for references before an interview. If there are any special circumstances, and you mark that you do not wish a referee to be contacted we will contact you directly. If you have any personal connection with any of your referees, you will be required to disclose it.

#### 3. Health

If you are successful in your application you will be required to complete a medical questionnaire. This will be submitted to the Occupational Health Service and you may be asked to have a medical examination. If you think this may present a problem, please mention it in your application or at interview.

#### 4. Certification

Any contract of employment issued will be on the basis that all information supplied by you on the form, on additional papers and at interview is correct, and that no material facts have been omitted. You will be required to provide proof of all the qualifications you declare on the application form.

For teaching staff evidence of membership of the General Teaching Council (GTC) or Institute for Learning (IfL) will be required.

**5. Equal Opportunities**

You are asked to return the equal opportunities questionnaire (which will not be available to the short listing or appointment panel).

**6. CRB Disclosure**

If you are successful in your application you will also be required to complete a Criminal Records Disclosure form, at enhanced level, which will enable a check to be made with the Criminal Records Bureau on any criminal background.

If you require confirmation of the receipt of your application, please enclose a stamp addressed envelope. We are sorry we are unable to respond personally to all applicants. If you have not heard us within two weeks of the closing date you should assume you have been unsuccessful in your application.

**Closing date for applications: Friday 19 March 2010**

**Interviews to be held: Week commencing either 19 April or 26 April**

Applications should be addressed to:

**Mrs Julie Shaw,  
Personnel Manager  
Shrewsbury Sixth Form College,  
Priory Road,  
Shrewsbury,  
SY1 1RX.**

*Shrewsbury Sixth Form College is committed to Equal Opportunities and positively welcomes applications from every section of the community. The College is also committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment.*

Thank you for your interest in Shrewsbury Sixth Form College.