



**Job Title: Teacher of Science**

**Responsible to:** Director of Learning - Science

**Key Role:** *To ensure that all pupils engage successfully in their learning and are able to make progress towards their agreed targets. To meet the QTS standards and continue to develop professional practice.*

### **Knowledge and Understanding**

- To have a detailed knowledge of the National Curriculum programmes of study, level descriptions and end of key stage descriptions for the appropriate level and subject.
- To be familiar with the relevant external exam syllabuses and courses KS3 & KS4 .
- To understand progression from KS2 programmes of study.
- To cope securely with subject-related questions which pupils raise.
- To have a secure knowledge and understanding of relevant ICT skills and subject related material to satisfy National Curriculum requirements and enhance learning.
- To be familiar with relevant Health and Safety requirements and plan lessons to avoid potential hazards.

### **Planning**

To plan their teaching to achieve progression in pupils' learning:

- To set tasks for the whole class, individual and group work, including homework, which challenge pupils and ensure high levels of pupil interest.
- To have appropriate and demanding expectations for pupils' learning.
- To set clear targets for pupils learning, building on prior attainment, and ensuring that pupils are aware of the substance and purpose of what they are asked to do.
- To identify pupils who:  
Have special educational needs, including specific learning difficulties;  
Are very able;  
Are not yet fluent in English; and know where to get help in order to give positive and targeted support.
- To provide clear structures for lessons, and sequences of lessons, in the short, medium and longer term, which maintain pace, motivation and challenge for pupils.
- To make effective use of assessment information on pupils' attainment and progress in their teaching and in planning future lessons and sequences of lessons.
- To plan opportunities to contribute to pupils' personal, spiritual, moral, social and cultural development.
- To (where applicable,) ensure coverage of the relevant examination syllabuses and National Curriculum programmes of study.



### **Teaching and Class Management**

- To ensure effective teaching of whole classes, and individuals within the whole class setting, so that teaching objectives are met, and best use is made of available teaching time.
- To establish and maintain a purposeful working atmosphere.
- To set high expectations for pupils' behaviour, establishing and maintaining a good standard of discipline through well-focused teaching and through positive and productive relationships.
- To exploit opportunities to contribute to the quality of pupils' wider educational development, including their personal, spiritual, moral, social and cultural development;
- To set high expectations for all pupils notwithstanding individual differences, including gender, and cultural and linguistic backgrounds;

### **Pupil Outcomes**

- To oversee the progress of all pupils within your teaching groups towards agreed targets including any external examinations and to assist in implementing strategies when progress is less than expected.
- To foster positive and productive pupil attitudes and engagement in learning within your teaching groups

### **General**

- To establish, effective working relationships with professional colleagues.
- To set a good example to the pupils you teach, through your presentation and personal and professional conduct.
- To understand your professional responsibilities in relation to school policies and practices, including those concerned with pastoral and personal safety matters, including bullying.
- To recognise that learning takes place inside and outside the school context, and understand the need to liaise effectively with parents and other carers and with agencies with responsibility for pupils' education and welfare.
- To understand the need to take responsibility for your own professional development and to keep up to date with research and development in pedagogy and in your subject.
- Ensure child protection and safeguarding responsibilities are met.
- Undertake the duties of teachers as outlined in the School Teachers Pay and Conditions Document.
- Undertake any other duties and responsibilities as may be assigned from time to time, which are commensurate with the grade of the job.



**PERSON SPECIFICATION**

**ROLE: Teacher- Science**

	<b>Attributes</b>	<b>Essential</b>	<b>Desirable</b>	<b>How Assessed</b>
<b>Qualifications</b>	Qualified Teacher Status	/		A/R
	Good Honours Degree		/	A
	Ongoing record of Continuing Professional Development		/	A
<b>Experience</b>	Successful and relevant teaching experience	/		A/R/I
	Teaching in an 11-18 high school		/	A/R/I
	Awareness of national curriculum requirements in all key stages and current national priorities in education		/	A/R/I
<b>Professional Skills</b>	Successful team working	/		A/I
	The ability to plan, resource and deliver effective learning to all age and ability groups	/		A/R/I
	The ability to inspire, motivate and develop pupils in their learning	/		A/R/I
	A strong commitment to self-evaluation and an ability to use data to inform planning	/		I
	An ability to identify and create exciting learning resources that enable effective learning across all abilities	/		A/I
	High level of ICT literacy and confidence in utilizing ICT for both learning and the management of information	/		I
	A genuine interest in young people and a commitment to achievement for all	/		A/I
<b>Professional and Personal Qualities</b>	A strong drive to deliver high academic standards and to uphold school expectations of pupils	/		A/R/I
	Good communication/interpersonal skills	/		A/R/I
	To be able to demonstrate an understanding of and take responsibility for promoting high standards of literacy, articulacy and the correct use of standard English			
	Possess a vision for Science in schools	/		A/I
	Ability to manage workload and demonstrate flexibility, resilience and perseverance in meeting challenges	/		A/R/I
	Total commitment to safeguarding children	/		R/I
	A positive role model for pupils and a commitment to academic mentoring and the role of the form tutor	/		R/I
	A willingness to contribute to extra-curricular activities	/		I
	A very good record of attendance and punctuality	/		R
	<b>KEY: A =Application; R = Reference; I = Interview</b>			