

JOB DESCRIPTION

POST TITLE:	Teacher of Science
POST RESPONSIBLE TO:	Lead Teacher of Science
SALARY:	Equivalent to main pay/upper pay scale
CLOSING DATE:	Friday 19th January 2018 at 9:00am
INTERVIEW DATE:	Week commencing Monday 22nd January 2018
START DATE:	March 2018 or before

JOB PURPOSE

To perform all the professional duties of a teacher, under the direction of your Line Manager, and be an outstanding classroom practitioner who consistently delivers the highest standards of teaching, embraces our vision and integrated curriculum and ensures that students achieve the highest outcomes in science.

DUTIES AND RESPONSIBILITIES

Principal Responsibilities

- To ensure that the vision and values of WMG Academy Trust are evident in every aspect of the role;
- To lead by example and model the highest professional standards to staff, students, parents and partners in all aspects of the role;
- Working with other colleagues, play an active role in delivering WMG Academy Trust priorities, culture and vision;
- To contribute to the development plan for the department and the WMG Academy Trust;
- To play an active role in the marketing and recruitment of students, parental reviews and other events at the relevant WMG Academy for Young Engineers;
- To meet regularly with your Line Manager and be accountable for your own Performance Management;
- To attend meetings as required;
- To ensure effective use of resources to the benefit of all staff and students;
- To comply with health and safety rules and legislation, ensuring the safety of students and staff at all times;
- To be involved in the enrichment programme for the WMG Academy Trust;
- To maintain discipline in accordance with the policies and procedures for the relevant WMG Academy and to encourage good practice with regard to punctuality, attendance, behaviour, standards of work and independent learning;
- To comply with all policies and procedures of the WMG Academy Trust.

Curriculum

- To work with the subject lead to develop and implement an innovative curriculum and relevant programmes of study;
- To engage with employers to develop learner employability skills, ensuring work related learning experiences are at the core of the WMG Academy Trust curriculum.

Teaching and Learning

- To ensure a high quality learning experience for students that engages and excites them;
- To promote the highest standards of teaching and learning, share best practice with other curriculum areas and develop the Academy model for outstanding learning;
- To be committed to continue improvement in teaching practice to ensure students achieve outstanding outcomes;
- To set high expectations of students' behaviour through good classroom discipline, adherence to the Academy policy, focused teaching and productive relationships;
- To demonstrate outstanding teaching across the full ability range from Years 10 to 13, delivering GCSE Combined Science, GCSE Separate Sciences and A-Level Physics or A-Level Biology or A-Level Chemistry;
- To provide a variety of learning materials and resources for use in educational activities and to identify and select different resources and methods to meet students' varying needs;
- To establish a purposeful and safe learning environment conducive to learning;
- To ensure learning is relevant for all students according to their educational needs;
- To maintain and develop an excellent knowledge and understanding of the subject area and related pedagogy, including the contribution that science can make to cross-curricular learning;
- To make effective use of an appropriate range of observation, assessment, monitoring and recording strategies;
- To develop schemes of work and lesson plans in conjunction with your Line Manager and with other departments as relevant;
- To ensure that learning outcomes are shared with students and are achieved during lessons;
- To design opportunities for students to develop their literacy, numeracy, ICT and thinking and learning skills appropriate within their phase and context;
- To set appropriate work for classes when absent;
- To ensure that schemes of work, including lesson plans, are in place that will enable access to the highest grades by all students in all courses taught in science;
- To keep up to date with developments in the curriculum area, teaching methods and resources and make relevant changes to schemes of work and lesson plans as appropriate;
- To hold positive values and attitudes and adopt high standards of behaviour in your professional role.

Assessment, Recording and Reporting:

- To assess the achievement of learning objectives within sessions and reflect this in teaching practice and the learning of students;
- To evaluate the performance of student's within your lessons, providing feedback for parents, students, staff and SLT;
- To assess student work regularly with timely feedback, setting targets for improvement;
- To ensure that learners meet and exceed the targets they are set and are aware of what they need to do to improve;
- To ensure that the Assessment, Reporting and Recording policy is adhered to for learners within

your lessons;

- To assess in line with Awarding Body requirements and ensure that it is timely.

Pastoral duties:

- To be an active Pastoral tutor working with an identified cohort of learners across all years;
- To follow the pastoral system policies and procedures as identified by the Associate Principal;
- To deliver effective pastoral sessions this will include PSHE, Citizenship, CIAG and pastoral reviews;
- To conduct individual reviews with your identified cohort developing an Individual Education Plan for each of them;
- To act as the main point of contact with parents for the identified cohort of learners and perform reviews with them.

All our academic staff will be measured against the teachers' standards.

Any other duties commensurate with the level of this post and as directed by the Associate Principal and Executive Principal.

Person Specification for Teacher of Science

The person specification focuses on the knowledge, skills, experience and qualifications required to undertake the role effectively:

REQUIREMENTS The post holder must be able to demonstrate:	ESSENTIAL (E) or DESIRABLE (D) REQUIREMENTS
QUALIFICATIONS	
Honours degree or equivalent in relevant subject	E
Post graduate or further relevant professional studies	D
Qualified teacher status	D
EXPERIENCE	
Proven record of success as a teacher in education or within an industrial environment	E
Experience of working with a range of partners both in and outside the world of education	D
Understanding of outstanding teaching, learning and assessment strategies	E
Understanding of behaviour for learning	E
Relevant worked based professional experience	D
KNOWLEDGE AND SKILLS	
Excellent subject knowledge	E
Knowledge and understanding of current curriculum developments	D
Ability to analyse and interpret student performance data and set targets	E
Ability to create an ethos which enables all students to achieve their potential	E
To be able to work effectively as a team	E
Excellent literacy, numeracy and ICT skills	E
An ability to inspire students in Y10 to Y13	E
PERSONAL ATTRIBUTES	
To work under pressure and meet deadlines	D
Confidentiality and discretion	E
Ability to organise, plan and prioritise	E
Excellent communication skills	E
A commitment to safeguarding to learners within the academy	E
Enthusiasm, optimism and energy	E

All offers are subject to clearance of references and enhanced DBS checks

THE WMG ACADEMIES FOR YOUNG ENGINEERS

“We have some of the best companies and supply chains in our local area, and they all desperately need new talent and skills to help them grow. That is why the WMG Academy for Young Engineers is so important”

Professor Lord Bhattacharyya, Chairman, WMG

The WMG Academy for Young Engineers Trust

The WMG Academy for Young Engineers Multi Academy Trust was formed in March 2015. Following the successful opening of the Coventry Academy in September 2014, which recently gained a ‘Good’ Ofsted rating, the WMG Academy Trust opened its second Academy in September 2016 in North Solihull.

Formed between a partnership of the University of Warwick (led by the Warwick Manufacturing Group – WMG) and with the support of national, regional and local businesses such as Jaguar Land Rover, National Grid, Arup and Balfour Beatty, the Trust is committed to providing a better way of learning for the Engineers of the future.

The Trust is made up of members from industry including the EEF and the Local Authorities Chamber of Commerce and the University of Warwick who have led the development of the WMG Academies and oversee their running from a strategic perspective.

Both Academies focus on engineering and digital and information communication technologies, catering for approximately 600 students each aged between 14 – 19 years of age.

As well as a core curriculum at Key Stage 4, which includes GCSEs in the core subjects maths, science, English and computer science, students can select from options which include a modern foreign language, a humanities subject and free option subjects. In addition, all Key Stage 4 students follow the Level 2 Cambridge Nationals course in Engineering worth up to 3 GCSEs equivalent.

Students at Key Stage 5 can follow a flexible pathway bespoke to their needs. Students can choose to take just STEM A-Levels or combine 3 traditional A-Levels with the Level 3 OCR Technical in Engineering worth the equivalent of 1 A-Level. Alternatively, students at post 16 can study a larger Engineering qualification such as the BTEC Level 3 Diploma in Engineering and combine it with an A-Level or the Extended Project Qualification.

The ethos of both academies is ‘business-like, business-led’.

WMG Academy for Young Engineers, Solihull

Opened in September 2016 with 2 cohorts, Year 10 and Year 12, the Solihull Academy boasts over £2M of specialist equipment and ICT. Developed along a similar open plan design to Coventry, the Solihull Academy occupies a slightly bigger footprint. The Academy is now in its second year and has all planned cohorts of students attending Year 10 to 13.

Dedicated ICT facilities include 3 CAD suites and student PC access in all teaching rooms giving unrivalled access to industry standard software. These facilities allow innovative teaching pedagogy through digital technologies.

The Academy adjacent to the Chelmsley Wood shopping Centre, North Solihull and draws from a wide catchment of East Birmingham, Solihull and North Warwickshire. The Solihull Academy follows the template of the 8.30 am – 4.30 pm working day used in the Coventry Academy and has the additional flexibility of incorporating some enrichment into the Academy day due to its close proximity to North Solihull Sports Centre and having its own multi-use games area and activity hall.

Our Vision

We will ensure that our students have raised aspirations that will provide the motivational drive to succeed. Strong employer and further and higher education links, as well as a professional ethos and culture, will ensure the students will be in demand from employers.

Our unique status of working very closely with some of the biggest employers in the region means that we have shaped the curriculum from day one to ensure we produce students with a professional ethos and culture that is in high demand in today's working world.

The focus of the Engineering specialist curriculum is a series of projects – real business-focused, practical problems and challenges that reflect fully the world of work. Employers provide mentors to help our students get a full understanding of life in engineering. This 'better way of learning' means that education will be exciting for our students. We will give them an experience of real value; one that will lead to a diverse range of positive progression pathways for every single student.

Team working is the norm and students will work together to develop the skills that employers value. We are committed to developing team working, problem solving, creativity, leadership, communication, resilience and an ability to respond to change. As staff, it is our role to model those skills and behaviours to our students in everything that we do.

The Role

The WMG Academy Trust is looking for a Science Teacher who has excellent teaching skills. The successful candidate will inspire and enthuse students with their passion, ensuring outstanding outcomes in their subject area.

You will demonstrate and demand the highest standards of delivery and you will be fully committed to raising attainment to enable all students to achieve outstanding success.

Reporting to the Lead Teacher of Science, you will be responsible for the planning and delivery of outstanding lessons of this specialist curriculum and will be expected on occasions to share your expertise with their engineering department to develop the employer commissions. You will provide timely feedback for students on their work to ensure they are to achieve and realise their targets. All teachers will be pastoral tutors working closely with an identified cohort of students.

This is a unique opportunity to be involved in a new and exciting Academy; designing and leading an innovative approach to learning and ensuring that students achieve the highest outcomes and opportunities.