JOB DESCRIPTION

POST TITLE: Teacher of Computer Science

POST RESPONSIBLE TO: Lead for Maths and Computer Science

SALARY: Main/Upper Pay Scale

CLOSING DATE: **4th November 2022 at 9.00am**

INTERVIEW DATE: **10th/11th November 2022**

START DATE: As soon as possible

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 computer 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 Academy policy, focused teaching and productive relationships;
- To demonstrate outstanding teaching across the full ability range from Years 10 to 13, delivering GCSE computer science, A-Level computer science and contributing to the delivery of Engineering when appropriate;
- 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 computer 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 objectives are shared with students and are achieved during sessions;
- 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 computer 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 own teaching practice and the learning of students;
- To evaluate performance of students 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 Chief Executive.

Person Specification for Teacher of Computer 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

FURTHER PARTICULARS

"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."

The late Professor Lord Bhattacharyya, Chairman, WMG

The WMG Academy for Young Engineers

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, the WMG Academy Trust opened its second Academy in September 2016 in North Solihull.

Formed between a partnership of the University of Warwick and with the support of national, regional and local businesses such as Jaguar Land Rover, National Grid, and Rolls-Royce, 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 MAKE UK, Coventry and Warwickshire 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. They are supported by a board of trustees and governors, all with relevant business and education experience, who shape the experience of our learners.

Each WMG Academy focuses on engineering, science, maths and digital communication technologies and caters for up to 640 learners of 14-19 years of age from Coventry, Warwickshire, Solihull and Birmingham. The WMG Academy initiates and supports the development of well-educated and industry trained learners who not only have the qualifications but also the functional skills, knowledge and personal qualities to make an impact in the worlds of work, further and higher education.

WMG Academy Coventry was rated 'Good' by Ofsted in June 2022 and WMG Academy Solihull was rated 'Good' by Ofsted in 2019.

As well as a core curriculum at Key Stage 4, which includes GCSEs in the core subjects maths, science, English and Engineering Manufacture, students can select from options which include a modern foreign language, a humanities subject and free option subjects, such as art, computer science and

business studies. In addition, all Key Stage 4 students can follow additional Level 2 Cambridge Nationals course in Engineering worth a further 2 GCSEs equivalent.

Students at Key Stage 5 can follow a flexible pathway bespoke to their needs. Students can opt to study 3 A Level subjects, Level 3 OCR Technical in Engineering worth the equivalent of 1 A-Level or a Level 3 BTEC Engineering qualification at Certificate Diploma or Extended Diploma level. Further BTEC qualifications are available in Art, Business, ICT and Science and students can mix qualifications to suit.

Our vision

We will ensure that our learners 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 learners 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 learners with a professional ethos and culture that is in high demand in today's working world.

Team working is the norm and learners 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 learners in everything that we do.

WMG Academy for Young Engineers Coventry

Opened in September 2014 by Ratan Tata, the Coventry Academy has over 450 students on roll. Located close to the Westwood area in Canley and the University of Warwick, the Coventry Academy was designed with a large Engineering Hall filled with over £1M worth of specialist equipment. Three additional dedicated CAD/CAM areas allow industry standard software to be used by students in their Engineering projects.

WMG Academy Coventry has a highly successful sixth form, which is consistently at the top of the post-16 performance tables for the city.

Students at the Coventry Academy come from a wide catchment area which includes Solihull in the north through to Kenilworth, Warwick and Rugby in the south.

The Academy follows an 8.30am – 4.30pm timetable (Tuesday – Thursday) with enrichment opportunities offered to students that include football, F1 in schools, GreenPower and Engineering clubs, including the Royal Navy Engineering Challenge and the European Space Agency's CanSat project. Students also have access to resources at Warwick University. On Mondays and Fridays students leave at 3.20pm.

WMG Academy for Young Engineers Solihull

Opened in September 2016 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 thriving on successful recruitment and currently has provision for four year groups including 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. A large Engineering Hall, complemented by 'Make and Do' areas above, allows a flexible group-work approach to learning.

The Academy occupies land 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 8.30am – 4.30pm working day used in the Coventry Academy (Tuesday – Thursday) 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.

The Role

WMG Academy is looking for an outstanding Teacher of Computer Science. The successful candidate will be passionate about supporting young people and determined to see all students achieve their best.

The Academy believes that all young people deserve to become world-class learners - to learn, enjoy, succeed and thrive in a first rate educational environment with excellent facilities, outstanding teaching and the most up-to-date resources available to them. You will benefit from visionary, inspirational and dynamic leadership and be empowered to develop your own skills.

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

For more information, please contact Dom Vipond, Lead Teacher for Maths and Computer Science, by calling 0121 289 3556 or by emailing principal@wmgacademy.org.uk.