JOB DESCRIPTION

POST TITLE:	Science Technician (Term Time Only) – WMG Academy Coventry
POST RESPONSIBLE TO:	Lead Teacher for Science
SALARY:	Grade 7 (SCP 9 to 21) - £21,269 to 26,975 prorated to £18,623 to £23,619
CLOSING DATE:	27th June 2022 at 9am
INTERVIEW DATE:	Week commencing 27th June 2022
START DATE:	September 2022 or sooner

JOB PURPOSE

To provide general and practical support to staff and students within the Science department, including preparation and maintenance of resources and equipment under the instruction of teaching staff and in accordance with robust health and safety guidance procedures.

Principal Responsibilities

- To ensure the timely delivery of the practical science curriculum by way of the safe provision and removal of relevant scientific materials and apparatus;
- To ensure the ethos of the WMG Academy and those of the sponsors are evident in every aspect of the discharge of the duties of the post;
- Model the highest professional standards to staff and learners in all aspects of the role, maintaining a visible presence around the academy and leading by example;
- To be responsible to the curriculum leader in science in co-ordinating the use of and development of practical resources and facilities, including the provision of guidance and support in meeting the practical requirements of the science curriculum, including liaising with external organisations;
- Organising the technical support to the science area, including assisting in practical classes, carrying out demonstrations, preparing resources, assembling apparatus;
- Giving technical advice to teachers, technicians and learners;
- Carry out risk assessments and ensure safe systems of work are in place and adhered to;
- Work closely with the engineering department in management of shared equipment;
- To have overall responsibility for the promotion and observance of a healthy and safe working environment for the technical support service by:-
    - actively leading and coordinating the assessment, monitoring and review of both
    - health and safety procedures and information resources;
    - keeping up-to-date with current procedures and practices through continuing professional development;
    - the provision of technical advice on health and safety to staff;
    - the safe storage, use and disposal of used materials, including hazardous substances and responding to actual or potential hazards;
    - to take a lead role in the design, development and maintenance of specialist

  - resources and/or long term projects and offer professional guidance, assistance and support to learners and teachers on the practical aspects of the curriculum
  - assist in the development and preparation of risk assessment and health and safety policies and procedures
- To be responsible for setting up and monitoring systems used in the management and control of practical resources including:
  - leading on stock control, compiling orders, liaising with suppliers and maintaining appropriate records;
  - monitoring and controlling financial records of the departmental expenditure in accordance with the academy's policy;
  - ensuring the availability of suitable materials and equipment and suggesting alternatives for suitability and economy.
- To undertake the lead role within the science department on routine and non-routine checking, cleaning, maintenance, calibration, testing and repairing of equipment to the required standard.

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

Person Specification for Science Technician

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	
GCSE (or equivalent) grade C or above in Mathematics and Science	E
Relevant L3 STEM qualification	D
Degree or post-graduate study	D
EXPERIENCE	
Proven record of technical work in a STEM-related function	E
Experience of the operational functioning of a science technician environment	E
An understanding of the management of Health and Safety	E
An understanding and demonstration of barriers to learning and how to overcome this	D
Relevant worked-based professional experience	D
Experience of working with a range of partners both in and outside the world of education	D
Experience of setting-up and monitoring systems including stock control and financial records	D
KNOWLEDGE AND SKILLS	
Excellent subject knowledge	E
Ability to create an ethos which enables all learners to achieve their potential	E
To be able to work effectively as a team	E
Excellent interpersonal skills and ability to work in partnership with a diverse range of stakeholders	E
Excellent communication skills	E
Excellent literacy, numeracy and ICT skills	E
Knowledge and understanding of health and safety policy	E
An ability to inspire learners in Y10 to Y13	D
PERSONAL ATTRIBUTES	
Commitment to well-organised, safety-driven practices	E
A commitment to equal opportunities and a strong belief in inclusive education practices and that learning for all students is supported	E
To work under pressure and meet deadlines	E
Confidentiality and discretion	E
Ability to organise, plan and prioritise	E
A commitment to safeguarding to learners within the academy	E
Enthusiasm, optimism and energy	E
Flexibility and adaptability	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 2017 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 their individual needs.

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 and currently has over 400 students on roll. 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 five year groups including Year 10 to 13 and a Post-18 HNC cohort.

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

The WMG Academy Trust is looking for a Science Technician who has excellent subject knowledge and organisation and management skills. The successful candidate will inspire and enthuse students with their passion, ensuring outstanding outcomes across the Academy.

We are looking for a different kind of technician who wants to be at the cutting edge of teaching and learning, working differently alongside employer partners and a team of outstanding teachers, governors, parents and students. We are bringing the curriculum to life with an innovative approach using real life business problem-solving skills and embracing business-like learning behaviours.

The successful candidate will ensure that all learners are provided with an outstanding opportunity to develop their scientific skills through a practical curriculum. The successful candidate will be passionate about their subject area and able to prioritise to needs of staff and students whilst adhering to robust health and safety protocols.

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 Ethan Harries, Executive Assistant to the CEO, by calling 0121 289 3556 or by emailing e.harries@wmgacademy.org.uk.