



Job pack for Physics Technician

Bedford Modern School (BMS) is an Independent Co-educational Day School, governed by the Harpur Trust. We have the privilege of educating close to 1300 students ranging in age from 7 to 18 and we enjoy a reputation both locally and regionally for excellence in Sport, Performance Arts and Music.

Combining a 250-year old tradition with a modern outlook BMS is an unpretentious, tolerant school where all students can flourish as individuals. Our community is a friendly, happy and supportive one and all of the 350 staff members, spanning both teaching and non-teaching roles, help to make BMS a very special place to work. We particularly welcome applications from people who are keen to contribute to this strong and vibrant community.

Situated on the outskirts of Bedford on a site with commanding views of the Bedfordshire countryside, BMS is also well served by major road links and St Pancras International is less than an hour away by train.

Please visit our website: www.bedmod.co.uk for further information on the School.

Job Pack – Physics Technician

Part of the Science Faculty, the Physics Department is vibrant, bustling and thriving. The Faculty is led by Mr Daniel Honnor and comprises the departments of Biology, Chemistry and Physics. We have 18 members of teaching staff and three technicians. The strength of the team is at the heart of the success of the Faculty. We believe in the importance of collaborative working and strive to maintain a strong foundation upon which colleagues can build their individual approaches to teaching and learning.

The department has six teachers and a full-time technician. Led by Mr Terry Mullan, the team is diverse, from a broad range of backgrounds. In 2017 the department moved with the faculty into a purpose-built, state of the art Science Centre. This contains 17 laboratories, three designed for the teaching of A Level Physics and others which are identical, suitable for teaching any science. Each room is fully equipped to deliver a practical science curriculum. The department is well resourced in terms of equipment, textbooks and ICT provision.

In Years 7 and 8, students follow a programme of Combined Science which is overseen by a Head of Combined Science and supported by the Biology, Chemistry and Physics Technicians. From Year 9 upwards, the sciences are taught as separate subjects. In Years 12 and 13 Physics is a very popular option - typically 30-40 students in each year group. A significant number of A Level Physics students go on to study a related subject at university.

As a faculty we believe firmly in the importance of enriching students' experiences. We offer a number of opportunities outside of the curriculum including trips, webinars, and participation in competitions. The Sixth Form Science Society arranges enrichment and extension activities across the year. Some Year 12 and 13 students participate in the school's Science Outreach Programme where they promote and support science in local lower schools through practical activities.

Physics Technician Job Description

As a member of a thriving Physics Department, the Physics Technician plays a pivotal role in providing technical support for the delivery of the Physics curriculum and management of the department's resources.

- to provide apparatus as requested on the laboratory request forms;
- control the storage of apparatus and textbooks / resources;
- advise the Head of Physics on the need for purchasing equipment;
- keep a regular check on equipment;
- keep a stock list of equipment;
- oversee and maintain stationary supplies;
- submit maintenance requests for repairs to the department;
- co-ordinate the use of laboratories and if necessary, equipment;
- co-ordinate the safe disposal of unwanted equipment;
- maintain safety information (CLEAPSS, Hazcards, etc.)
- to support the Physics department in meeting the school and department health and safety rules;
- to assist the Head of Physics in keeping track of the departmental budget by advising on the annual budget request, maintaining the departmental financial records in liaison with the Head of Physics, and placing orders and checking deliveries and invoices.
- to provide assistance and guidance for teaching staff if the need arises;
- any duties reasonably required by the line manager.

The post-holder may also be required to carry out other duties appropriate to the post, as agreed and arranged by the School.

The Job Description is current but liable to variation to reflect or anticipate changes in the requirements of the post.

The successful candidate is required to operate within school policies and procedures, including Equal Opportunities and Health and Safety policies.

Person specification - Physics Technician

	Essential	Desirable	How shown
Qualifications			Not applicable
Experience	Experience of working in a practical environment.	Experience of working in an educational environment.	Application form Reference
Professional skills and qualities	Good communication skills; Ability to prioritise and work to deadlines; Ability to follow detailed instructions; A positive attitude towards children and young people including the ability to demonstrate and promote positive values, attitudes and behaviour.	Knowledge of standard school Physics equipment and experiments; Knowledge of CLEAPSS; Knowledge of Safeguarding.	Application form Interview
People management skills			Not applicable
Other personal qualities	An interest in science, particularly Physics; Highly motivated; A flexible team player; Resilience and ability to keep things in perspective; Hardworking and enthusiastic; A willingness to learn;		Interview

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	<p>Ability to adapt to changing situations;</p> <p>Self supporting with the ability to work as part of a team;</p> <p>Approachable, open and honest.</p>		
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