



Science Lab Technician: Middle School Middle School

Qualifications:

- Earned undergraduate degree or associate degree within a related field
- Prior experience in a science laboratory working with students
- Knowledge and experience utilizing OSHA standards and other 'best practice' resources in relation to laboratory setup and safety
- Ability to work in a supportive and collaborative environment
- Demonstrated competency in the use of technology
- Satisfactory completion of a pre-employment background check
- Meets all local or state health requirements including Covid-19 vaccination

Summary of Position:

The goal of this position is to support inquiry-based learning in lab and classroom settings, and ensure that all lab activities are conducted in a safe manner. The responsibilities involve supporting the work of science teachers and their students to ensure that they

- make the best use of the time students spend in the laboratory
- use equipment safely
- accurately record the results of their work

The role routinely involves providing technical support, ensuring that equipment is functioning properly, resources are available, and both are ready to use. This person makes sure the right resources are stocked and available for particular lessons.

The laboratory technician will work closely with students to explain or demonstrate experiments or how to use equipment, as well as helping teachers deliver a lab class to students and support individual students during lab.

The laboratory technician will be responsible to follow and administer the daily safety and laboratory procedures as outlined in the Whitby Chemical Hygiene Policy. This includes testing and cleaning of safety equipment, record-keeping in a journal, and labeling of equipment and chemicals.

Specific tasks vary according to the activities planned, however in general they include:

- Collaborating with Middle School faculty/staff to discuss timetables, equipment requirements, and work plans in regards to scheduling and use of the lab
- Contributing to the science team and Middle School faculty meetings
- Supporting Lower School faculty to make appropriate Middle School science resources available to Lower School teachers and students

- Coordinating work in the laboratory to ensure efficient use is made of equipment
- Running trials of experiments prior to classes and then demonstrating techniques for experiments
- Preparing equipment and chemicals before lessons - from test tubes to state-of-the-art microscopes
- Ensuring that equipment and laboratory apparatus are properly maintained and repaired
- Keeping records, e.g. for students' practical sessions, tracking methods, results
- Ensuring that equipment is properly cleaned and that chemicals and other materials are appropriately stored
- Cataloging evidence, photos, and recordings and making them available when requested
- Supporting and assisting the work of teachers during classes and laboratory sessions and giving technical advice to staff and students
- Working with individual students and supporting them on lab and research projects
- Managing and organizing the stock of chemicals and equipment
- Ensuring that the school's health and safety procedures (CHP) are understood and followed correctly by all using the science labs
- Ensuring that classes (students and teachers) clean up the lab after use
- Maintaining live plant and animal collection to facilitate their safe and humane treatment in a lab setting
- When possible, support staff professional development, and science field learning opportunities for students either by assisting in the opportunity or supporting class activities (as a sub) on these days

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