



GRADE 12

Lab Tech Assistant

SD34 Abbotsford

Students are involved in the preparation of laboratory material, including solutions, chemical supplies and equipment. In addition, they will be trained in the working procedures of laboratory preparations, including stock accountability (receiving, ordering, and inventory), applied mathematics, safety, daily procedures, and laboratory organization. A teaching aspect is added to the laboratory technician course as the student will assist junior students who are attempting laboratory work.

Credits: 4

Approval Date: Dec 2018

Hours: 120

Trax Code: YED

GOALS AND RATIONALE

To expose students to laboratory technician related skills to increase their employability. To demonstrate communication & instructional skills when working with others in a science-related environment. To develop the characteristics & habits of a successful laboratory technician. To become WHMIS certified & learn the WHMIS requirements for safely handling, preparing & storing chemicals & equipment. Prepare & organize chemicals required in a high school science laboratory.

BIG IDEAS

Lifelong learning and active citizenship foster career-life opportunities for people and communities. Scientific knowledge can be used to develop procedures, techniques, and technologies that have implications for places of employment. Scientific processes and knowledge inform our decisions and impact our daily lives.

ADDITIONAL INFORMATION

This course integrates applied mathematics (dimensional analysis) with science in the preparation of various chemicals and physics experiments. A small portion of this course (? 20%) can be in a peer tutoring role. This role, however, is specific to experimentation, often occurring in the lab itself as students work through specific activities. In this way, it does not significantly overlap the Peer Tutoring 11 and Peer Tutoring 12 courses.