



GRADE 12

Physical Lab Science 12

SD23 Central Okanagan

The course is designed to provide students with an introductory understanding of what scientists do in the real world & in Post-Secondary lab situations. Students will gain practical hands-on experience in the lab, plan & conduct self-directed projects & experiments, & use a variety of instruments & apparatuses found in modern science labs. Through improving the understanding of the nature of science, current scientific research, & stats, students will be better able to participate in the scient

Credits: 4

Approval Date: Oct 2021

Hours: 120

Trax Code: YPLS

GOALS AND RATIONALE

It is hoped that participation in a course focusing on hands-on work tied to relevant theory will be beneficial to a student with respect to several objectives: To establish a skill set & framework of attitudes which will facilitate future success & understanding in the sciences; To be exposed to modern scientific procedures, techniques, & data analysis; To establish relevant links between theory & practice in the field of science; To explore future career paths involving the sciences; To increa

BIG IDEAS

Scientific Inquiry; Lab Work; Quantitative Analysis; Synthesis; Communication More detailed info in document

ADDITIONAL INFORMATION

Appendix A: General Lab Rubric The components of the rubric to be used for a specific lab will be created from the following general categories. Weighting will be given to those aspects which are specifically relevant to the lab in question. (See Appendix B) More detailed info in document