

Specialized Science 12 - Forensic Science

Learning Outcomes: The activities in this course are based on the core competencies and curricular competencies as provided by the Ministry of Education of BC and will introduce students to the principles and applications of forensic science. The curriculum covers various types of evidence and techniques used in criminal investigations, and the specialized fields within forensic science. Through a blend of theoretical knowledge and practical applications, students will gain an understanding of how science aids in solving crimes. The course draws from multiple scientific disciplines, including Physics, Chemistry, Anatomy, and Life Sciences.

View the complete Ministry of Education learning outcomes for this course: [Specialized Science 12](#)

Resources: All resources are provided within the course. Students will need good access to the Internet and will be required to use online tools.

Exams: All exams and quizzes require a password and are to be invigilated by a teacher at your school or an approved testing center. Exams may be rewritten if needed. Pay attention to the number of marks a question is worth. Be sure to include enough detail to earn all the marks. Exams may cause anxiety for some students. See your teacher for study skills if necessary.

Communication: Assignments are submitted directly through your course. Constant communication with your teacher is key to success in a DL course. Phone or email or message your teacher for help whenever necessary.

Goal Setting: This course is self-paced and self-directed. Students should plan on working 5-6 hours a week on this course. It is highly recommended that the student creates a calendar of monthly, weekly and even daily goals. Contact your teacher if help is needed doing this.

Learning Guides/Projects: Print out unit learning guide, complete and upload in pdf form. Once mastered, select and complete a unit project, then upload in pdf form. Please ensure these are neat and organized. Learning guides must be submitted before writing unit exams.

Unit 1: Introduction to Forensics

- Intro topics
- Evidence Collection and Analysis
- Eyewitness Testimony

Unit 2: Biological Items of Interest

- Finger Prints
- Blood and DNA
- Hair

Unit 3: Physical Items of Interest

- Questioned Documents
- Fibres
- Ballistics
- Arson

Unit 4: Evidence Found After Death

- Toxicology
- Forensic Anthropology
- Forensic Entomology
- Death and the Human Body

Assessment

Midterm and Final Exam

*all supervised exams must be written at your school or an approved testing center.

This 4-credit course will be broken down as follows:

Learning Guides - 5% of the overall grade.

Learning Guide Quizzes - 15% of the overall grade.

Projects - 40% of the overall grade.

Unit Exams - 40% of the overall grade.