



Science Co-op

Earl Marriott Secondary



Science Co-op:

This honours program provides an intensive learning environment for students that have a keen interest and academic ability in Science. Students will remain with one instructor all day for five hours of instruction. The science courses included in this co-op are Biology 11, Biology 12 and Chemistry 11.



Along with the three academic science courses, students will be placed at two different science related work experiences that are approximately three weeks long. Students will also receive credit for these two placement courses: Work Experience 12A and 12B.

Students must apply for this program and have recommendations from both their Science and Mathematics teachers.

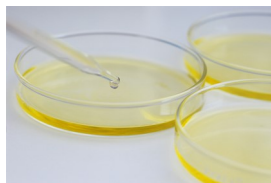
Work Placement Examples:

- Laboratories
- Research Facilities
- Care Homes
- Coast Guard
- Engineering
- Veterinarian
- Optometrist
- Wild Life Reserves
- Education
- Dental/Orthodontics
- Sports Medicine
- Science World

Applications:

See Ms. Brabenec or Ms. Garrett for an application package in room 322. More information can be located on the Career Centre website at:

www.earlmarriott.com/careers/



For More Information:

604.531.8354
or

www.earlmarriott.com/careers/

Additional Information

Prerequisites:

Students must be academically strong in both Science 10 and Math 10. They should have a keen interest and curiosity about science. In addition, students should be mature, independent and hard working individuals who are capable problem solvers and critical thinkers.

Expectations:

Regular attendance is critical due to the condensed nature of the coursework. Students will be expected to manage both curricular and workplace requirements with maturity, professionalism and responsibility as excellent ambassadors of Earl Marriott.

Costs:

Some placements may require students to complete a Police Information Check and/or receive a TB Test. Thus, they may be expected to pay approximately \$45 to meet this employer requirement prior to the work experience.

Bamfield Marine Station:

Note that Science Co-op students will have an opportunity to travel to the Bamfield Marine Station as part of a Work Experience. This is a five day, overnight experience that costs approximately \$650 if a student wishes to attend.

Course Information

Timetable Information

First Semester Courses:

Biology 11	4 credits
Biology 12	4 credits
Chemistry 11	4 credits
Work Experience 12A	4 credits
Work Experience 12B	4 credits



Second Semester Courses:

An English 11	4 credits
A Social Studies 11	4 credits
A Math 11	4 credits
Elective	4 credits

Curriculum Information

Biology 11 Curriculum Information:

Cell Theory, Cell Organelles, Cell Division, DNA, Protein Synthesis, and Intertidal Exploration.

Biology 12 Curriculum Information:

Biochemistry, Human Anatomy, Physiology, Balance and Homeostasis.

Chemistry 11 Curriculum Information:

Safety, Scientific Methods, Stoichiometry, Chemical Reactions, Atomic Structure, Periodic Table, Bonding, Molarity, and Organic Chemistry.

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