
Science 9

2025-2026 Course Outline

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The goal of science is to:

- Encourage students to develop a critical sense of wonder and curiosity
- Enable students to use science and technology to acquire new knowledge and solve problems to improve the quality of their own lives and the lives of others
- Prepare students to critically address science-related issues in their everyday lives
- Provide students with a foundation that creates opportunities for them in the future

Course Content

Unit: Biological Diversity

What is biological diversity, and by what processes do diverse living things pass on their characteristics to future generations? What impact does human activity have on biological diversity?

Unit: Matter & Chemical Change

What are the properties of materials, and what happens to them during chemical change. What evidence do we have of chemical change; and what ideas, theories or models help us explain that evidence?

Unit: Environmental Chemistry

What substances do we find in local and global environments? What role do they play, and how do changes in their concentration and distribution affect living things?

Unit: Electrical Principles and Technologies

How do we obtain and use electrical energy? What scientific principles are involved? What approaches can we use in selecting, developing and using energy-consuming devices that are efficient and effective in their energy use?

Unit: Space Exploration

How have humans attained a presence in space? What technologies have been developed and on what scientific ideas are they based? How has the development of these technologies contributed to the exploration, use and understanding of space and to benefits on Earth?

Course Evaluation

Unit Exams	40%
Quizzes	30%
Assignments	20%
Labs & Projects	10%

*Course Work = 80% (Each term is worth 26.67%) *Final Exam (PAT) = 20%

Course Materials

1. Chromebook (charged & ready to use!) & headphones
2. Duotang (to keep your unit sketchnotes)
3. Scientific Calculator
4. Binder with loose leaf & dividers
5. Pencils, erasers, highlighters, pens, ruler, pencil crayons, markers

Student Expectations

1. Be on time with all proper materials needed (notes, chromebook, and pencil brought to EVERY class).
2. Come in, sit down, open your books, and be ready for any work displayed on the board.
3. Homework and assignments will be assigned throughout the course and will be due for the next class unless stated by the teacher.
4. Emails will be sent home for reminders for major assignments and assessments but ultimately resiliency and autonomy skills need to be developed for high school.
5. Missing assignments require students to attend homework club until they are caught up and will be **docked marks each late day.**
6. It is YOUR responsibility to make sure you have caught up with any work when you miss class. Please use Google Classroom for information and resources to assist when you are absent.
7. I am happy to provide extra support during spare classroom time and some lunch hours. Please come see me.

Rewrite Policy

Students will be given the opportunity to re-write quizzes in some circumstances. First, students must meet with me immediately upon return of the quiz to discuss this option. A student who has not effectively used class time and not completed all coursework will not be given the option to re-write.

If a student can show me that all their course work (notes, assignments, etc.) have been completed, then we can initiate the rewrite opportunity, which includes: spending **ONE LUNCH HOUR** (45 minutes) to study for the rewrite quiz & the completion of **ALL CORRECTIONS** on the original quiz. A rewrite quiz must be written within **TWO WEEKS** of the original date.

Unit test re-writes will not be permitted since there is ample time given to study for these tests.

Late Assignment Policy

All assignments will be given a clear and achievable due date and are expected to be submitted on time and properly.

If an assignment is not handed in on time, students will be spending their full lunch time break in homework club to complete the missing assignment and **one mark will be docked** each day the assignment is missing. The student will continue to be in homework club each day until the assignment is submitted properly, and parents/guardians will be contacted.

If a student fails to show up at homework club, or continues to be required to be sent there for incomplete work, further disciplinary actions will be taken (phone call home, office detention, and administrative involvement).

Provincial Achievement Test

Students will be required to take the Provincial Achievement Test at the end of this course. This exam will consist of multiple choice and numerical response style questions worth 20% of the students final course mark. The exam will cover all material learned throughout the semester. We will spend time at the end of the year reviewing for this exam but extra outside is recommended for success.