



## Science 10 Course Outline 2025

**Instructor:** Ms. Carpio

**Email:** [donnalyn.carpio@pattisonhighschool.ca](mailto:donnalyn.carpio@pattisonhighschool.ca)

**Period 2**

### Course Curriculum

Unit 1 – DNA	DNA structure and function; pattern of inheritance; mutation; natural and artificial selection; applied genetics and ethical considerations.
Unit 2 – Chemical Processes	Chemical reactions; acid-base chemistry; law of conservation of mass; energy change; practical applications and implications of chemical processes.
Unit 3 – Energy	Nuclear energy and radiation; law of conservation of energy; potential and kinetic energy; transformation of energy; local and global impacts of energy transformations from technologies.
Unit 4 – Universe	Formation of universe; and astronomical data.

### Course Materials:

Students must bring a 3-ring binder, vocabulary notebook, papers, pens, pencils, highlighters, and a digital file system to store and organize your work.

**Workbook:** BC Science Connections 10

### Work & Assignment Policy:

Homework will be checked daily and will be graded according to the following: **'0'** Incomplete, copied, or completed after the chapter test; **'0.5'** Late or partially completed; **'1'** All questions have been attempted, and most or all questions are complete.

### Attendance Policy:

Students are expected to arrive at class on time and ready to engage. Tardiness and absence will naturally lead to less teacher and peer contact time, and a reduction in marks.

### Honesty Policy:

Work will be assessed for authenticity. Dishonesty will result in consequences, including '0' marks or no credit.

### Technology Policy:

All technology, including cell phones, will be used at the discretion of the teacher.

<u>Grading:</u>	<u>Coursework</u>	<u>Value</u>
	Homework Completion	5%
	Quizzes	20%
	Worksheets and Labs	20%
	Projects/Presentations	10%
	Unit Tests	20%
	Final Exam	25%
	<b>Total</b>	<b>100%</b>

\* Be on time; stay on-task; organize materials; join class and group discussions; contribute to group work.