

Course: Science 9 School: Fairview High School School Year: 2022-2023 Teacher: Mr. John Abwe Room: 21 School website: fairviewhs@prsd.ab.ca	Contact information : Email: abwej@prsd.ab.ca Availability: Monday-Friday during regular school hours. Note: If you have trouble with any concepts, please contact me right away by email. Google Classroom class code: x6vofdn
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Course Overview:

Welcome to grade 9 Science where diverse learning experiences provide students with opportunities to explore, analyze and appreciate the interrelationships among science, technology, society, and the environment, and develop understandings that will affect their personal lives, their careers, and their futures.

Suggested timeline:

There are 5 units in science 9. We will spend approximately two months on each unit.

Unit 1: Biological Diversity (Sept-Oct)

In this unit, students learn that diversity is maintained through natural processes of sexual and asexual reproduction, though the survival of individual species—and variations within those species—may be influenced by ecological and human-caused factors.

Unit 2: Matter and Chemical Change (Nov -Dec)

In this unit, students are introduced to the formal study of chemical substance through laboratory investigations and introductory studies of chemical theory. In the laboratory, students observe and compare chemical substances and, with guidance on safety, investigate the properties of materials and the ways they interact.

Unit 3: Environmental Chemistry (Jan -Feb)

Through this unit, students become aware of human-produced chemical substances that enter and interact with environments, and they investigate potential impacts of different substances on the distribution and abundance of living things.

Unit 4: Electrical Principles and Technologies (Mar-April)

Using a problem-solving approach, students create and modify circuits to meet a variety of needs. Students also develop skills for evaluating technologies, by comparing alternative designs and by considering their efficiency, effectiveness, and environmental impact.

Unit 5: Space Exploration (May-Jun)

A study of space exploration provides an opportunity for students to examine how science and technology interact and to learn how one process augments the other.

Evaluation:

For each of the five units, there will be a graded unit exam. Other graded assignments include labs, activities, and projects. The final exam will be cumulative. Your final mark will be allocated as follows:

- ✓ Unit exams: 50%
- ✓ Final exam: 25%
- ✓ Labs, activities, projects: 25%

Note: Dates for projects, assignments and assessments will be announced in class.

Course materials:

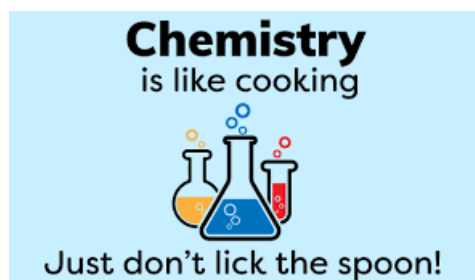
- ✓ Science Focus 8 textbook (McGraw-Hill Ryerson)
- ✓ Teachers notes and exercises

A few tips for success:

- ✓ Be present on time and every day
- ✓ Do your homework and ask questions
- ✓ Ask for help as soon as something is not clear

Expectations:

- See FHS student code of conduct. Respect, honesty, effort, and kindness are key.
- You are responsible to have assignments completed on or before the due date.
- You are responsible to catch up for any missed work if you are absent.
- No phones allowed during class. They must be left into your backpacks.



Have a great year!