

Course: Science 24 School: FHS School Year: 2022-2023, semester 2 Teacher: Mr. John Abwe Room: 21 School website: fairviewhs@prsd.ab.ca	Contact information Availability: Monday-Friday during regular school hours. Note: If you have trouble with any concepts, please contact me right away by email. Email: abwej@prsd.ab.ca Google Classroom: yv7gusv
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Introduction:

Science 24 enables students to use science and technology to acquire new knowledge and solve problems, so that they may improve the quality of their own lives and the lives of others.

Materials:

- ✓ Science connect 2 (textbook provided by the school)
- ✓ Binder, writing supplies and a calculator
- ✓ During labs proper clothing (long pants, closed toes shoes, long hair tied) must be worn.
- ✓ Protective equipment will be provided

Timeline:

There are four units in science 14. We will spend approximately one month on each unit.

Unit 1: Matter and chemical change

Topics:

- ✓ Useful chemistry
- ✓ Common reactions in our lives
- ✓ Types of chemical reactions
- ✓ Reactions and the environment

Unit 2: Energy transformations

Topics

- ✓ Energy conversions
- ✓ Electric energy at home
- ✓ Energy for life
- ✓ Fossil fuels

Unit 3: Disease, defence, and human health

Topics:

- ✓ Disease
- ✓ Society's response to diseases
- ✓ Protecting yourself from diseases
- ✓ Genetics and health

Unit 4: Safety in transportation

Topics:

- ✓ A need for safety
- ✓ The nature of speed
- ✓ The physics of collisions
- ✓ The technology of safety

Assessment:

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

- ✓ Assignments, labs, projects: 30%
- ✓ Unit exams: 40%
- ✓ Final exam: 30%

Controversial topics:

Science 24 covers some potentially controversial topics. If you feel uncomfortable with any topics, please come, and talk to me.

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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 fun!