

# CHEMISTRY 504

Secondary 5 (4 credits)

## Contact Info

**Teacher: Ms George-Bernard**  
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Chemistry 504 is an optional course which is intended for students who plan to continue in Pure and Applied or Health Sciences.

The course intends to:

1. Broaden students' scientific knowledge and to investigate, by means of the scientific method, the behaviour of different phases of matter, various chemical changes and the energy transfers involved, and the factors that influence reaction rates and their state of equilibrium.
2. Another aspect of the program is the students' ability to communicate the results of an experiment or the findings of a research project concerning chemical phenomena.
3. Further focus is placed on relating the chemical phenomena in the course to the outside world.

## Text

- Quantum Chemistry

## Course Content

1. Gases
2. Thermodynamics/Heat Flow
3. Rates of Chemical Reactions
4. Equilibrium

## Evaluation

		<u>Year Evaluation</u>
<b>Practical Component 40%</b>	Seeks answers or solutions to scientific or technological problems. Communicates by using the languages of science and technology.	Term 1 20%
<b>Theory Component 60%</b>	Makes the most of his/her knowledge of science and technology. Communicates by using the languages of science and technology	Term 2 20% Term 3 60%

## Material Required

The following is a list of supplies you will need:

- Pen and Pencil
- Scientific Calculator
- Eraser
- Ruler
- 1 Bound Notebook (80 pages – no spiral) + duotang or a binder system to keep notes

## Absences

- Any missed classes are YOUR responsibility
- If you are going to be absent on the day of a test or quiz, it must be for a good reason and please see me to make arrangements in advance if possible.

## What is expected of YOU:

- Respect all members of the classroom by supporting their learning, you can do this by not disrupting or distracting the class.
- Show up to class on time.
- Come to class prepared.
- Make good use of class time to practice and show all work on tests and assignments
- Seek help when it is required.
- Take responsibility for your own learning.

## This is what you can expect of ME:

- Respect.
- Coming to class prepared.
- Support and encouragement.
- Providing help when it is needed.
- Providing you with feedback in a timely fashion ie. you will not forget what it is by the time you get it back.