

TAMANAWIS

SCIENCE 9 COURSE OUTLINE



I) THE BASIC TOOLS OF SCIENCE (10%)



- A) Safety in the Lab
 - Safety rules, location and use of safety equipment, emergency procedures, WHMIS
- B) Science Skills
 - Scientific notation, metrics and measurement, scientific method, vocabulary, graphing
- c) Process Skills
 - Study skills
 - Research skills
 - literacy

II) BIOLOGY (20%-25%)

- Cell structure
- Genetic code & proteins
- Asexual & sexual reproduction
- Mutations
- Current technology

III) CHEMISTRY (25%-30%)

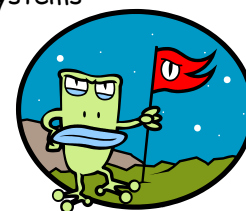
- Chemical and physical change
- The Periodic Table
- Atomic theory
- Bohr models
- Writing and naming compounds

IV) PHYSICS (20% -25%)

- Static & current electricity
- Voltage, current and resistance (Ohm's Law)
- Power and energy consumption

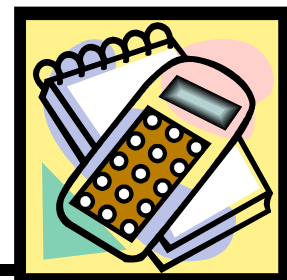
v) ASTRONOMY (15% -20%)

- Stars
- Planets and solar systems
- Universe
- Space Travel



Evaluation within each unit: (percentages may vary slightly by teacher)

Tests and Quizzes	50%
Labs and Assignments	40%
Homework	10%
Final Exam	20% of the entire semester's work



Keys to Success in Science 9:

- Come prepared to work by bringing all your supplies to each class. For example: A binder, paper, pens, pencils, calculator and your agenda.
- Regular attendance
- Careful attention to lessons.
- Completion of homework.
- Regular review of new material.
- Ask for help when you don't understand a new concept.

