SIR ALLAN MACNAB SECONDARY SCHOOL

DEPARTMENT: Science	**COURSE: Grade 11 University Prep Chemistry**
COURSE CODE: SCH3U	**TEACHER: Mrs. Wall**
PREREQUISITE: SNC2D	**ROOM: 1053**
DEPARTMENT HEAD: Mrs. McComb	**Website: Darlenewall.ca**
On-line Quizzes: socrative.com Room: SCH3U	
To receive text reminders: remind.com (289)- 210-0852 text: @3Uap	

COURSE DESCRIPTION

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

COURSE UNITS OF STUDY/BIG IDEAS

Matter, Chemical Trends, and Chemical Bonding

How can the structure of an atom or the way that atoms are bonded together be used to predict the chemical and physical properties of a substance?

Chemical Reactions

How can we predict which chemicals will react together and what they will produce?

Quantities in Chemical Reactions

What is the mole?

How can the balanced chemical equation for a reaction help us predict how much reactant is needed or much product will form?

Solutions and Solubility

Why are the unique physical and chemical properties of water so important in chemistry?

Gases and Atmospheric Chemistry

How can the unique behavior of gases be explained?

Scientific Inquiry

How do I explore scientific issues through the creation and communication of scientific information?

Technology and the Environment

How does our use of chemicals impact our health and our environment?

MATERIALS REQUIRED

Please come to class with binder, text book, calculator, ruler, pencil, pen every day.

DEPARTMENT INFORMATION - POLICIES

*****Students must achieve a 70% or higher to be recommended for continuing on to SCH4U.
*All students need to follow all health and safety policies

ASSESSMENT EXPECTATIONS & POLICY

Reported marks are based on the cumulative evidence of student learning of overall expectations, up to the end of the reporting period. Evidence could include a variety of assessments such as tests, assignments, projects, labs, portfolio work, demonstrations and seminars. Assessments will have a balance of the four Achievement Chart categories: Knowledge/Understanding, Application, Communication and Thinking/Inquiry.
A student's final mark will be calculated using the following percentage weighting:

Term Work 70% **Performance Task(s) 30%** **FINAL MARK 100%**