



**Crocus Plains
Course Outline
CHE 40S**



Course Title: Sr 4 Chemistry

Mrs. J Pratt

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Course Description:

Chemistry 40S expands on topics that were previously introduced, with emphasis on the units described under units of study. This course is designed to prepare students for University Chemistry and to promote a better understanding of the world around us.

General Learning Outcomes: General Learning Outcomes

- The Senior 4 Chemistry (40S) curriculum should allow students to:
 - ✧ Develop an understanding of the basic principles and concepts of physical science;
 - ✧ Develop critical thinking and problem solving abilities;
 - ✧ Develop the skills and understand the processes of science;
 - ✧ Develop an understanding of the interconnecting ideas and principles that transcend and unify the natural science disciplines;
 - ✧ Attain the level of scientific awareness essential for all citizens in a scientifically literate society;
 - ✧ Make informed decisions about further studies and careers in science;
 - ✧ Develop scientific attitudes, and develop positive attitudes towards science;
 - ✧ Develop an understanding and appreciation of the effect technology has on advancements in science and the resulting effects on society.

Units of Study

Unit 1: Aqueous Solutions and Equilibrium
Unit 2: Atomic Structure – Quantum Theory
Unit 3: Kinetics – Reaction Rates
Unit 4: Chemical Equilibrium – LeChatelier's Principle
Unit 5: Acids and Bases
Unit 6: Electrochemistry- REDOX

Evaluation Format;

Evaluation:

MARKS - TERM WORK 80% EXAM 20%

If you are legitimately absent on the day of the test, the test **MUST** be written on the **FIRST** day back.
If the absence is excused, the office must be notified within 48 hours.



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Chemistry outline.doc

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