

CHEMISTRY 40S – GRADE 12

MRS. STANILAND

Chemistry- Is the study of matter and the changes that it undergoes.

While the Grade 12 Chemistry curriculum continues to be concerned with students gaining relevant knowledge and with providing appropriate mathematical treatment of concepts, it is also concerned both with fostering the development of various skills (context-based process skills, decision-making skills, problem-solving skills, laboratory experimental skills, critical thinking skills, independent learning skills) and with effecting a change of viewpoint. A strong focus of Grade 12 Chemistry is to link science to the experiential life of students. (Manitoba Curriculum)

UNITS

Chapter 19 – Redox Reactions

Chapter 20 & 21 – Hydrocarbons and Substituted Hydrocarbons

Chapter 5 & 6 - Electrons in Atoms & the Periodic Table and Periodic Law

Chapter 14 – Mixtures and Solutions

Chapter 15 – Energy and Chemical Change

Chapter 16 & 17 – Reaction Rates & Chemical Equilibrium

Chapter 18 – Acids and Bases

EXPECTATIONS:

1. You must bring necessary materials daily.
2. You must be responsible for your textbook – without it you cannot succeed.
3. If you miss class you are responsible to catch up on the missed assignments. Watch the posted lesson and notes portion or text a friend!!
4. See Digital Citizenship in Room 212
5. Food and drink (within reason) are acceptable in class.

REQUIRED MATERIALS

Binder

Pencils and red/blue pens CALCULATOR

Loose leaf paper

Textbook –CHEMISTRY-MATTER AND CHANGES

ASSESSMENT and EVALUTION

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|---------------------------|-----|
| 1. Tests | 30% |
| 2. Demonstrations | 20% |
| 3. Rich performance tasks | 10% |
| 4. Projects | 10% |
| 5. Final Exam | 30% |

SUMMATIVE ASSESSMENTS - These are items that reflect your knowledge at a certain period in time. These will include your major assignments, quizzes, tests, projects, etc. Only these items will be used as part of your final grade.

Tests

Tests will be given after each unit/units covered. You will be given at least 3 days notice that a test is going to occur. Please be sure to discuss with me if you have a conflict with the test date as we work together to accommodate as often as possible.

Quizzes and Major Assignments

For these items you will be expected to show your level of learning after we have worked together on a variety of FORMATIVE ASSESSMENTS. Formative assessments will include your in-class assignments that will be used to show the learning a concept, etc. These will be corrected and recorded but will not be entered as part of your final grade. You will be given a unit assessment that will be used as a summative assessment after we have completed and discussed each chapter. A time line will be given and if you cannot complete the major assignment on time you will still be required to complete it but will only be issued a formative assessment mark. You will then be required to complete a second major assignment that will be used as your summative assessment.

ASSIGNMENTS AND HOMEWORK

Unfortunately, you will have assignments and thus, homework, in this class.

You are required to take down and notes that are deemed important by the teacher and will have daily questions to complete.

Homework must be completed for the next class or on the assigned dates. You do not have the option to do or not to do the assignments. If you put forth an effort and complete the assignments, you will be successful as the concepts build upon each other. You should also take time to correct any mistakes (which means to actually find out where you went wrong and correct it - not just change the answer) so that you know where you went wrong in the question.

FINAL EXAM

Exams are scheduled at this time but will be reviewed to reflect the Health Orders at that time.

Digital Citizenship: Use of personal devices is allowed during class. Use of personal electronic devices is encouraged when working on projects or media related assignments. Students may listen to music during work blocks. Students are expected to manage their distraction and use of personal devices. When the use is a distraction for the student, the class or teacher, the student will be asked to turn it off and hand the device in. "All members of the Swan Valley School Division community are expected to use digital technology in a safe, respectful, responsible and ethical manner. SVSD devices are to be used in the classroom for learning. Students are encouraged to use personal devices as supported by the classroom teacher for positive education benefits and guided classroom instruction ***Absolutely no electronic devices are permitted during quizzes, tests or the exam. Students who are caught with electronic devices will receive an automatic zero without debate***

HAVE A GREAT SEMESTER!!!!

