**Magnet Chemistry IB Syllabus**

**Mr. Moss Room 706**

**Introduction:** In this class we will survey the foundation topics of Chemistry in order to prepare students for further study in chemistry and science.

The topics covered will include:

**I. Stoichiometry**

**II. States Of Matter & Gas Laws**

**III. Quantum Model of the Atom**

**IV. Periodic Trends**

**V. Review of Ionic Bonding**

**VI. Review of Covalent Bonding & Molecular Geometry**

**VII. Water & Aqueous Solutions**

**VIII. Thermochemistry**

**IX. Reaction Rates (Kinetics) & Equilibrium**

**X. Acids and Bases**

**XI. Overview of Organic Chemistry**

**XII. Nuclear Chemistry**

**Course Requirements:**

**General Assignments:**

Students will be expected to hand in assignments ON TIME. No assignments will be accepted late from any student unless PRIOR face to face arrangements have been made with the teacher. Missed assignments due to absence will be expected to be made up ON THE DAY the student returns to class. If a student is absent on the day that an assignment is due it MUST be uploaded via Microsoft Teams or emailed on THAT DAY that it is due. There is no excuse for not handing in the assignment since ALL students have access to tablets from home.

It is the responsibility of the student to find out about any missed assignments.

**Quizzes:**

Students are expected to study and review on a regular basis. Unannounced quizzes will be given from time to time to check students understanding and progress with the material. Quizzes will be given at the START of class. Students who are late will get a ZERO for that quiz. Quizzes missed because of absence will NOT be made up (those quizzes will not count for that student).

**Tests:**

Tests will be announced approximately a week in advance. If a student is present on a day that a test is given, then they WILL take the test. Students who have missed significant time will be given up to 5 days to make up or retake the test.

**Labs:**

Students will be doing lab experiments and lab activities as a part of the class. Safety is always the top concern when a lab is in progress. No student will be allowed to participate in lab who is in violation of any of the safety rules listed in the safety contract.

**Grading:**

The students grade will be determined as follows:

20% Tests

10% Quarterly Exam

20% Homework

10 % Quizzes

20% Lab work

20% Projects

**Rules:**

1) Be prepared for class (pen, paper & scientific calculator)

2) Be courteous and respectful

3) Keep your area CLEAN!

4) NO CELL PHONES ALLOWED – phones must be kept in your locker or placed in the holder on the door to the prep room. Any student found with a phone during class will be written up for insubordination

4) Follow all safety rules during lab or demos.

5) Raise your hand to ask/answer questions or discuss topics in class

