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| **Advanced Honors Chemistry Syllabus** |
| **Unit** | **Topic** | **Text Chapters** | **Week of** |
| Unit 1 | Models and Structure of Atom | Chapter 3 | Aug 8th  |
| Unit 2 | Light and Quantum Model | Chapter 4 | Aug 15th  |
| Unit 3 | Properties and Periodic Table | Chapters 1 and 5 | Aug 22nd  |
| Unit 4 | Phases and Energy | Chapters 1 and 10 | Sept 5th  |
| Unit 5 | Bonding  | Chapter 6  | Sept 12th  |
| Unit 6 | Molecular Geometry and IMF’s | Chapter 6 | Oct 10th  |
| Unit 7 | Naming and Empirical Formulas | Chapter 7 | Oct 24th  |
| Unit 8 | Chemical Reactions and Energy | Chapters 7, 8, 16 | Nov 7th  |
| Unit 9 | Stoichiometry | Chapters 9, 11, 12 | Nov 28th  |
| Unit 10 | Gases | Chapter 11 | Jan 9th  |
| Unit 11 | Solutions | Chapters 12 and 13 | Jan 23rd  |
| Unit 12 | Acids and Bases | Chapters 14 and 15 | Feb 13th  |
| Unit 13 | Equilibrium | Chapter 18 | Mar 6th  |
| Unit 14 | Electrochemistry | Chapters 19 and 20 | Mar 20th  |
| Unit 15 | Nuclear Chemistry | Chapter 21 | Apr 10th  |
| Unit 16 | EOC Review |  | Apr 17th  |
| Project | Free Energy/Kinetics | Chapter 16-17 | Apr 17th- May 12th  |

**Grades**

1. **Each Unit**
* Packet of homework collectively due the day student takes the exam (1 homework grade per unit of study).
* Unit Test (90% content specific; 10% comprehensive EOC objectives).
1. **EOC Concept Notebook (9.75”x7.5” composition book)**
* Each unit students will add applicable EOC objectives to notebook. They will be turned in the day of the Unit Exam for an all or nothing check grade.
1. **Formative Assessment (4 x 6 index cards)**
* As we progress through each unit, regular (low point value) notecard quizzes will be given over homework and lecture.
* Bimonthly, comprehensive EOC quizzes from EOC concept notebook.
1. **Lab Reports**
* Usually 1-2 lab activities per unit.

**Remediation Help**

* I am available before or after school by appointment or during 5th period.

**Miscellaneous**

* Grades updated weekly or sooner; assignments, calendar, and PowerPoints posted on my webpage.
* Tissues, expo markers, Clorox wipes always needed.