**AP CHEMISTRY**

***The Course***

* The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken in the first year of college.
* The curriculum is built on 6 big ideas:
* Big Idea 1: The chemical elements are fundamental building materials of matter, and all matter can be understood in terms of arrangements of atoms. These atoms retain their identity in chemical reactions.
* Big Idea 2: Chemical and physical properties of materials can be explained by the structure and arrangement of atoms, ions or molecules and the forces between them.
* Big Idea 3: Changes in matter involve the rearrangement and/or reorganization of atoms and/or the transfer of electrons.
* Big Idea 4: Rates of chemical reactions are determined by the details of molecular collisions.
* Big Idea 5: The laws of thermodynamics describe the essential role of energy and explain and predict the direction of changes in matter.
* Big Idea 6: Any bond or intermolecular attraction that can be formed can be broken. These two processes are in dynamic competition, sensitive to external conditions and internal perturbations.

***The Exam***

* The AP Chemistry exam is administered by the College Board. The College Board is a mission-driven non-for-profit organization that connects students to college success and opportunity and was created to expand access to higher education.
* ***AP Chemistry exam is on May 2nd, 2016.***

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Question type** | **Number of questions** | **Timing** |
| I | Multiple choice | 60 | 90 minutes |
|  | Long free response | 3 | 105 minutes |
| II | Short free response | 4 |  |

***Scores***

* Your score is a weighted combination of your scores on the multiple-choice section and on the free-response section. The final score is reported on a 5-point scale as follows:
5 = extremely well qualified
4 = well qualified
3 = qualified
2 = possibly qualified
1 = no recommendation
* "Qualified" means that you have proven yourself capable of doing the work of an introductory-level course in a particular subject at college. Many colleges and universities grant credit and placement for scores of 3, 4 or 5; however, each college decides which scores it will accept.

***Check out***

<https://apstudent.collegeboard.org/home?navid=gh-aps>

<https://apstudent.collegeboard.org/apcourse/ap-chemistry>