



Mr. Christopher Hickman
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AP Chemistry
Grade 11

Advanced Placement Chemistry covers the topics that are outlined by College Board Advanced Placement Course Description. This course is designed for highly motivated students who wish study chemistry at a more advanced level. There is a strong emphasis on solving advanced, multifaceted problems. Major topics include: periodic trends, kinetic theory of gases, atomic structure and theory, nuclear chemistry, stoichiometry, qualitative analysis, thermochemistry, organic chemistry, chemical bonding, solutions, reaction types, equilibrium, and data acquisition and analysis. Laboratory skills and data analysis are extended beyond the level of a first year course in chemistry. Students enrolled in this course are required to take the AP exam in May.