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Description automatically generated**OnRamps Chemistry 1 Parent Guide**

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| Principles of Chemistry I address the nature of matter, energy, chemical reactions, and chemical thermodynamics. Throughout the course, students learn to think like scientists by exploring the underlying theoretical foundations of chemistry, making intuitive arguments for how the world works, and supporting those arguments with quantitative measures. Students in the course will learn how to successfully study college level science by organizing their learning around mastery and ownership of materials. Introduction to Chemical Practices I, the course’s lab component, provides an introduction to the techniques of modern experimental chemistry, and it’s designed to instill basic laboratory and analytical skills. | |
| 1st 6 Weeks: Safety  Fundamentals of Chemistry: Atoms and Periodic Table | 4th 6 Weeks: The Mole  Stoichiometry |
| 2nd 6 Weeks: Fundamentals: Atoms  Chemical Bonding  VSPER Theory | 5th 6 Weeks: States of Matter  IMF  Thermodynamics |
| 3rd 6 Weeks: Chemical Bonding  Chromatography  Valence Bond Theory  Molecular Orbital Theory | 6th 6 Weeks: Thermodynamics  Gibbs Free Energy  OnRamps Chemistry 1 Review and Exam |

**Questions?** Please contact your course science teacher.