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Description automatically generated**OnRamps Chemistry 2 Parent Guide**

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| Principles of Chemistry II extends the study of thermodynamics taught in OnRamps Chemistry I to the development of chemical equilibria and kinetics with applications to water chemistry and electrochemistry. In addition, students will gain insight in the workings of the material world through introduction to nuclear chemistry, battery technology, polymer chemistry and applications in organic chemistry and biochemistry. | |
| 1st 6 Weeks: Safety  Chemistry Review  Equilibria – Vapor Pressure  Equilibria – Solubility | 4th 6 Weeks: Electrochemistry  Balancing Redox Reactions |
| 2nd 6 Weeks: Mass Action Law  RICE Calculations | 5th 6 Weeks: Electrochemistry  Electrolysis  Characteristics of Elements  Kinetics |
| 3rd 6 Weeks: Acids and Bases  Titrations  pH and Buffers | 6th 6 Weeks: Kinetics  Reaction Mechanisms  Organics  OnRamps Chemistry 2 Review and Exam |

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