**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:SafetyChemistry ReviewEquilibria – Vapor PressureEquilibria – Solubility | 4th 6 Weeks:ElectrochemistryBalancing Redox Reactions |
| 2nd 6 Weeks:Mass Action LawRICE Calculations | 5th 6 Weeks:ElectrochemistryElectrolysisCharacteristics of ElementsKinetics |
| 3rd 6 Weeks:Acids and BasesTitrationspH and Buffers | 6th 6 Weeks:KineticsReaction MechanismsOrganicsOnRamps Chemistry 2 Review and Exam |

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