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Chemistry Pacing Guide

2015-2016

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| FIRST QUARTER |
| UNIT | PACING | TOPICS |
| Inquiry, Mathematics, Engineering & Technology | 3 weeks | Matter and Change, Measurements and Calculations |
| Atomic Theory & Atomic Structure | 6 weeks | Atoms, Electron Arrangement, Periodic Law |
| SECOND QUARTER |
| UNIT | PACING | TOPICS |
| Interactions of Elements & Compounds | 6 weeks | Chemical Bonding, Chemical Nomenclature, Types of Chemical Reactions, Chemical Equations |
| Quantitative Relationships in Chemistry | 3 weeks | The Mole & Stoichiometry |
| THIRD QUARTER |
| UNIT | PACING | TOPICS |
| States of Matter | 5 weeks | Kinetic Molecular Theory, Solids, Liquids, Gases; Phase Changes; Gas Laws |
| Solutions | 4 weeks | Types of Mixtures, Concentration of Solutions, Ions in Aqueous Solutions |
| FOURTH QUARTER |
| UNIT | PACING | TOPICS |
| Acids & Bases | 2 weeks | Properties of Acids & Bases, Acid-Base Reactions, pH & Titrations |
| Reaction Energy | 2 weeks | Reaction Kinetics & Reaction Rates |
| Nuclear Chemistry | 2 weeks | Radioactive Decay, Half-life, Fission & Fusion |
| Post-EOC: Redox, Electro, Organic, & Biochemistry | (1 week for testing)2 weeks | Redox Reactions & Electrolysis, Structure & Nomenclature of Hydrocarbons, Chemicals of Life |