**Physical Science**

**CURRICULUM AT-A-GLANCE 2016-2017**

**FIRST QUARTER**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit A** | | **Unit B** | | **Unit C** | | | | **Unit D** |
| **Matter: Classification and Properties** | | **Atomic Structure and the Periodic Table** | | **Interactions of Matter**  **Interactions of Matter** | | | | **Forces and Motion** |
| Phase Changes and Physical Changes  Classification of Matter | Physical and Chemical Properties of Matter | Structure of the Atom  Reading the Periodic Table  Bohr Model Diagrams | Interpreting the Periodic Table  Covalent, Ionic, and Metallic Bonding  Predicting Formulas and Naming Simple Compounds | Acids and Bases | Conservation of Matter  Balancing Chemical Equations | Types of Chemical Reactions | Nuclear Chemistry and Radioactivity | Motion  Speed  Velocity  Acceleration  Momentum |
| 2.1.1, 2.1.2 | 2.1.3 | 2.1.4, 2.2.1 | 2.2.2, 2.2.3 | 2.2.6 | 2.2.4, 2.2.6 | 2.2.5 | 2.3.1, 2.3.2 | 1.1.1, 1.1.2 |
| 5 days | 5 days | 5 days | 7 days | 4 days | 4 days | 4 days | 4 days | 3 days |

**SECOND QUARTER**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit D** | | **Unit E** | | **Unit F** | | **Unit G** | | | | **Review/Exam** |
| **Forces and Motion** | | **Energy: Conservation and Transfer** | | **Waves** | | **Electricity & Magnetism** | | | | Review |
| Motion  Speed  Velocity  Acceleration  Momentum | Relationship Between Forces and Motion  Gravitational Force  Four Types of Frictional Forces  Newton’s Three Laws of Motion | Types of Energy  Thermal Energy  Conservation of Energy | Work and Power  Simple Machines | Types of Waves  Properties of Waves | Wave Interactions | Static Electricity  Current Electricity | Series Circuits  Parallel Circuits  Current in a Wire | Magnetism | Practical Applications of Magnetism | **Review/Exam** |
| 1.1.1, 1.1.2 | 1.2.1, 1.2.2, 1.2.3 | 3.1.1, 3.1.2 | 3.1.3, 3.1.4 | 3.2.1, 3.2.2, 3.2.3 | 3.2.4 | 3.3.1 | 3.3.2, 3.3.3 | 3.3.4 | 3.3.5 | Review |
| 3 days | 8 days | 3 days | 5 days | 8 days | 4 days | 2 days | 4 days | 2 days | 2 days |  |