**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 ChangesClassification of Matter | Physical and Chemical Properties of Matter | Structure of the AtomReading the Periodic Table Bohr Model Diagrams | Interpreting the Periodic TableCovalent, Ionic, and Metallic BondingPredicting Formulas and Naming Simple Compounds | Acids and Bases  | Conservation of MatterBalancing Chemical Equations | Types of Chemical Reactions | Nuclear Chemistry and Radioactivity | MotionSpeedVelocityAccelerationMomentum |
| 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**

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| **Unit D** | **Unit E** | **Unit F** | **Unit G** | **Review/Exam** |
| **Forces and Motion** | **Energy: Conservation and Transfer** | **Waves** | **Electricity & Magnetism** | Review |
| MotionSpeedVelocityAccelerationMomentum | Relationship Between Forces and MotionGravitational ForceFour Types of Frictional ForcesNewton’s Three Laws of Motion | Types of EnergyThermal EnergyConservation of Energy | Work and PowerSimple Machines | Types of WavesProperties of Waves | Wave Interactions  | Static ElectricityCurrent Electricity | Series CircuitsParallel CircuitsCurrent 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 |  |