QUARTER 1

Unit 1: Nature of Science:
Timing: Approximately 3 days

Standards	Lessons
SC.912.N.1.1	Measurement and Lab safety
SC.912.N.1.2	Scientific processes

Unit 2: Introduction to Chemistry
Timing: Approximately 12 days

Standards	Lessons
SC.912.P.8.4	Atomic Theory
SC.912.P.8.5	Periodic Table
SC.912.P.8.7	Interpreting Formulas

Unit 3A: Matter and Energy
Timing: Approximately 9 days

Standards	Lessons
SC.912.P.8.1 SC.912.P.8.2	Mixtures
SC.912.P.8.2 SC.912.L.18.12	Physical/Chemical Properties
SC.912.P.8.11	Acids and Bases

QUARTER 1 Assessment

QUARTER 2

Unit 3B: Matter and Energy
Timing: Approximately 3 days

Standards	Lessons
SC.912.L.18.7 SC.912.L.18.8	Photosynthesis and cellular respirations
SC.912.E.7.1	Biogeochemical Cycles

Unit 4: Chemical Reactions
Timing: Approximately 6 days

Standards	Lessons
SC.912.P.8.8	Reaction Types
SC.912.P.12.12	Reaction Rates

Unit 5: Motion
Timing: Approximately 4 days

Standards	Lessons
SC.912.P.12.2	Speed and Velocity
SC.912.P.12.2	Acceleration

Unit 6: Forces and Motion
Timing: Approximately 8 days

Standards	Lessons
SC.912.P.10.10	Forces
SC.912.P.12.3	Newton's First Law
SC.912.P.12.3	Newton's Second Law
SC.912.P.12.3	Newton's Third Law
SC.912.P.12.4	Law of Universal Gravitation

QUARTER 2 Assessment

QUARTER 3

Unit 7: Energy, Work and Power

Unit 8: Waves, Sound and Light

Unit 9: Thermal Chemistry

Timing: Approximately 8 days	
Standards	**Lessons**
SC.912.P.10.1	Forms of Energy
SC.912.P.10.3 SC.912.P.12.7	Work and Power
SC.912.P.10.3	Law of Conservation of Energy

Timing: Approximately 6 days	
Standards	**Lessons**
SC.912.P.10.18 SC.912.P.12.2	Properties of Waves
SC.912.P.10.18	Sound
SC.912.P.12.7	Light
SC.912.P.10.18 SC.912.P.10.21	Doppler Effect

Timing: Approximately 5 days	
Standards	**Lessons**
SC.912.P.10.5 SC.912.P.10.7	Heat
SC.912.P.10.5	Endothermic and Exothermic
SC.912.P.8.1 SC.912.P.12.11	Phase Transition

QUARTER 3 Assessment

QUARTER 4

Unit 10: Gases and Pressure Timing: Approximately 1 day	
Standards	**Lessons**
SC.912.P.12.10	Gas laws

Unit 11: Nuclear Chemistry Timing: Approximately 6 days	
Standards	**Lessons**
SC.912.P.10.12	Nuclear reactions
SC.912.P.10.11 SC.912.P.10.12	Fission and Fusion
SC.912.P.10.11	Half-life

Unit 12: Electricity Timing: Approximately 8 days	
Standards	**Lessons**
SC.912.P.10.10 SC.912.P.10.14	Static Electricity
SC.912.P.10.14 SC.912.P.10.15	Current Electricity
SC.912.P.10.15	Electrical Circuits
SC.912.P.10.10	Electromagnetism

QUARTER 4 Assessment