



Semester 1

Term 1

- Lab Safety/Back to School /Canvas Intro.
- Properties of Matter/Nature of Science
- Periodic Table
- Atomic Structure
- Formulas & Equations
- Chemical Reactions
- Law of Conservation of Mass

Term 2

- Rotation – Day & Night
- Revolution – Seasons
- Lunar Cycle & Tides
- Characteristics of the Universe
- Star Formation & HR Diagram
- Electromagnetic Spectrum
- Origin of the Universe

Semester 2

Term 3

- Balanced/Unbalanced Forces
- Newton's Laws of Motion
- Speed, Velocity, Acceleration
- Motion Graphs
- Plate Tectonic Theory
- Plate Tectonics & Crustal Feature
- Topography & Satellite Images
- Sun's Energy - Convection
- Climatic Interactions & Weather Maps

Term 4

- Biotic/Abiotic Factors & Competition
- Effect of Short/Long-Term Environment Changes
- Human Impact/Dependence on Environment
- STAAR Countdown