

Year Overview Scope & Sequence Science

| | T1 | T1 | T1 | T1/2 | T2 | T2 | T2/3 | T3 | T3 | T3 |
|-------------------------|---------------------------------|---------------------------|--|--|---|---|---|--------------------------------------|---|---|
| | September | October | November | December | January | February | March | April | May | June |
| Earth Science | Earths Motion Around the Sun | Lunar Phases & Eclipses | Gravity and the Universe | The Solar System | Water in the Atmosphere & Water on Earth's surfaces | Aquifers | Solar Energy on Earth & Atmospheric and Oceanic Circulation | Weather patterns & Climates on Earth | Human Impact on the Environment | Earth and Human Activity |
| Life Science | Matter and Energy in Ecosystems | Dynamic Ecosystems | Biodiversity in Ecosystems | Life Structure and Function | Cells and Life | Body Systems Organization, structure, and support | Body Systems - Obtaining energy and removing waste | Reproduction of organisms | Natural selection and adaptations | Evidence of Evolution - Fossils |
| Physical Science | Nature of Science | Solids, Liquids and Gases | Properties of Matter & Periodic Table | Chemical Bonds & Nomenclature Periodic Table | Chemical Reactions & Acids, Bases and Salts | Motion and Forces | Work and Energy | Electricity | Magnetism& Intro to Waves | Sound & Light |
| Biology | The Study of Life | Chemistry in Biology | Cell Discovery and Cell Theory & The Plasma Membrane | Cellular Transport | Structures and Organelles | Photosynthesis and Respiration | Cellular Reproduction and Sexual Reproduction | Genetics | DNA, RNA, Protein, Gene Regulation, and Mutations | History of Biological Diversity & Diversity of Life |
| Chemistry | Introduction & Matter | Elements, Atoms, and Ions | Nomenclature; Measurement and Calculations | Chemical Composition | Chemical Reactions and Reactions in Aqueous Solutions | Stoichiometry | Energy & Modern Atomic Theory | Chemical Bonding; Gases | Liquids and Solids; Solutions; Acids & Bases | Equilibrium |
| Physics | Displacement, Velocity | Acceleration, Vectors | 2-D Motion & Start Forces | Forces & Friction | Energy (Investigation 7) | Collisions & Thermal Energy; Egg Drop | Electromagnetic Energy | Waves & Electromagnetic Radiation | Nuclear Physics | Model Rockets |