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| **Month** | **5th Science (General Science)** | **6th Science (Physical Science)** | **7th and 8th Science (Earth Science)** |
| **September** | Scientific Method   * Inquiry process * Measurement   Life Science: Organisms   * Criteria for Life * Kingdoms | Scientific Method   * Inquiry process * Measurement   Engineering Design   * Design Process * Projects | Scientific Method   * Inquiry Process * Measurement   Earth Science   * Planet Earth System * Physical Geography |
| **October** | Plants: Types, Adaptations, Processes   * Structure and Function * Life Cycles * Photosynthesis * Tropisms | Motion   * Distance, Time, Speed   Forces   * Friction, Gravity * Equilibrium   Machines   * Work and Power | Meteorology   * Weather Observation * Atmosphere * Forecasting and Storms * Climate   Oceanography   * currents, ocean floor |
| **November**  **T1 Ends 11/21** | Ecosystems and Biomes   * Matter and Energy * Food Chains, Food Web * Interactions * Conservation | Newton’s Laws   * Inertia * Acceleration * Action, Reaction | Astronomy   * Earth and Moon * The Solar System * Sun and other Stars * Galaxies and the Universe |
| **December** | Earth Science   * Weather and Climate * Water Cycle | Forms of Energy   * Mechanical, Thermal, Chemical, Electrical, Nuclear | Geology   * Geologic Time * Relative Dating |
| **January** | * Rocks, Minerals, Soil   Solar System   * Sun and Seasons * Moon Phases | Energy Transfer   * Kinetic and Potential * Heat; Conduction, Convection, Radiation | Plate Tectonics   * Earth’s Interior * Lithosphere * Earthquakes and Volcanoes |

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| **Month** | **5th Science (General Science)** | **6th Science (Physical Science)** | **7th and 8th Science (Earth Science)** |
| **February** | Landforms   * Weathering and Erosion * Uplift and Plate Tectonics * Maps, Topography | Properties of Waves   * Longitudinal, Transverse Waves * Light and Sound   Electromagnetic spectrum | Topography   * Weathering and Erosion * Rivers and Glaciers * Minnesota geology |
| **March**  **T2 Ends 3/9** | Physical Science  Energy and Motion   * Forces and Motion   Forms of Energy   * Thermal and Chemical * Using Energy | Matter   * Particle Theory   States of Matter  Properties of Matter   * Mass, Volume, temperature * Density, dissolving, expansion | Rocks and Minerals   * Composition * Identification   Natural Resources   * Fossil Fuels * Soil and Freshwater * Conservation |
| **April** | Matter and Its Properties   * Matter Measurments * States of Matter * Atoms and Elements | Atoms and Molecules   * Protons, Nuetrons, Electrons * Compounds and Bonding | Matter and Chemistry   * Properties of Matter * Elements and Periodic Table |
| **May** | Simple Machines   * Engineering * Electricity, Magnetism   Science Methods, Data Analysis | Periodic Table   * Properties of the Elements * Chemical Change   Engineering Structures | * Molecules and Compounds * Acids, Bases, Solutions * Chemical Reactions   Chemistry Project |
| **June**  **T3 Ends 6/8** | Final Review | Final Review | Final Review |
| **All Units will also include these topics:** | History of Science  Scientific Contributions  Science Investigations | History of Science  Scientific Contributions  Science Investigations | History of Science  Scientific Contributions  Science Investigations |
|  | \*MN Standards include Grades 3-5 |  | \*Alternate MN Standards for Life/Earth |