Grade 5 Science Scope and Sequence

Unit Theme	Duration of Unit	Unit Focus
The Engineering Process **The Scientific Method**	9 week: Quarter 1	● Knowledge of science ● The design process ● Consider a prototype: find a problem, plan and build, test and improve, redesign, and communicate ● Look at various scientists and their inventions ● How technology improves our lives ● History of technology ● Observation ● Hypothesis ● Predictions ● Experiments ● Analyzing results ● variables ● Qualitative and quantitative data
Physical Science	9 weeks: Quarter 2	● Energy, Work, and Simple machines ● Force & Motion ● Laws of Motion ● Potential & Kinetic Energy ● Types of Energy ● Matter ● Physical & Chemical Changes/Properties ● substances ● Law of Conservation of Mass ● Properties of Matter ● Gravitational Force ● Measurement: mass, volume, grams, Newtons)
Life Science	9 Weeks: Quarter 3	● Microscopes ● Animal Adaptations ● Habitats ● Plant cell and animal cell ● Food Chains/Webs ● Producers, consumers, decomposers ● Energy in animals' food
Earth Science	9 Weeks: Quarter 4	● Earth's History ● Solar System/Planets ● The Sun ● Earth systems ● Water on Earth/Water cycle

		● Plant growth ● Earth's resources and the environment ● Earth & Human Interactions ● Seasons ● Stars ● Atmosphere,hydrosphere,geosphere, biosphere ● Distribution of Earth's Water ● Gravitational Force ● Moon Phases ● Constellations ● Rocks & Minerals

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