Macon Elementary Science Scope and Sequence

Grade Level / Core Idea	Kindergarten	First Grade	Second Grade	Third Grade	Fourth Grade	Fifth Grade
Matter and Its Interactions	Eureka Math Module 2 - Observations of the physical property of objects		States of Matter - objects can change state of matter based on conditions (Candy Melt Activity)	Weather/Natural Disasters Unit - How water changes (freeze, melt, evaporate, condense)		Structures and Properties of Matter - investigations with mixtures/solutions and mixing substances to create new substances
Motion and Stability: Forces and Interactions	Eureka Math Module 2 - Compare effects of pushes and pulls on the motion of an object		Push and Pull Unit - investigate how motion changes different amounts of force applied	Invisible Forces Unit - investigate forces with magnets	Forces and Motion Unit - experiments with static electricity, friction, overcoming friction, and create balloon racers	Space Systems Unit - Gravitational effects on objects
Energy	Weather Unit - Ways to protect from the sun	Sun, Moon, Stars & Light Unit - source of energy that causes an increase in temperature			Forces and Motion Unit - relationship of speed to energy	Matter and Energy of Organisms and Ecosystems Unit - Relationship of sun with food for organisms
Waves and Their Applications in Technologies for Information Transfer		Sound Unit - Build device to use sound to communicate over distance	Sound and Vibration Unit - Investigate how vibrations create sound and how sound vibrations travel		Waves of Sound Unit - Model of waves to show wavelength and how waves can move objects	Earth's Systems Unit - Moon reflects light and stars produce light
From Molecules to Organisms: Structure and Process	Plants and Animals Unit - relationship of needs of different plants and animals	Plants Unit - how plants respond to their environment to survive		Life Cycles Unit - Compare and contrast life cycles of different plants and animals	Plants and Animals Unit - Structure of plants and animals that enable survival in different habitats	Human Body Systems Unit - Major organs/organ systems are compared and contrasted Matter and Energy of Organisms and Ecosystems - How plants and animals grow
Ecosystems: Interactions, Energy, and Dynamics			Plants Unit - seed dispersal			Matter and Energy of Organisms and Ecosystems - show the movement of matter among plants, animals, decomposers, and the environment
Heredity: Inheritance and Variation of Traits		Plants and Bats Units - how offspring resemble parents		Animal Adaptations - Characteristics of organisms can be determined by parents or affected by		

				environment		
Earth's Place in the Universe	Weather Unit - Effect of sunlight on Earth's surface and amount of daylight to the time of year	Sun, Moon, Stars, and Light - differences in day and night sky, seasons	Work of Water - water changing earth slowly or quickly		The Scientific Process Unit	Space Systems - Apparent brightness of stars
Earth's Systems	Spring Weather Unit - Weather patterns over time	Sun, Moon Stars, and Light Unit - (referenced with seasons)	Work of Water Unit - Ways to prevent erosion	Weather /Natural Disasters Unit - How storms and natural disasters form/happen	Land and Water Unit - investigating erosion with stream tables, landforms	Earth's Systems Unit - Investigate how the geosphere, biosphere, hydrosphere, and atmosphere interact
Earth and Human Activity	Environment unit - ways to reduce, reuse, recycle			Weather/Natural Disasters Unit - Ways to stay safe during weather related disasters	Land and Water Unit - impact of weathering/erosion on humans	Earth's Systems Unit - Investigate ways to protect Earth's natural resources
ETS1 - Engineering Design	Summer Fun unit - make model with bubbles	Sound Unit - build communication device	Work of Water Unit - design a model to slow the process of erosion	Invisible Forces - experiments with magnets	The Scientific Process Unit	Structures and Properties of Matter - Design a lunch box