5th Grade Science Scope & Sequence
2020-2021

1st Quarter

	Intro. to Science* • establish class & lab procedures • set up notebooks • pre-testing * Safety & tools will be taught throughout the year when appropriate to the Science experience
TEKS 5.10AB	**Organisms: Traits & Behaviors** • compare structures and functions of different species that help them live and survive in a specific environment • differentiate between inherited traits of plants and animals and learned behaviors of animals
TEKS 5.9A-D	**Ecosystems** • how organisms interact with living & nonliving factors • flow of energy through food chains/webs • producers, consumers, & decomposers • predict effects of change on ecosystem caused by living organisms • identify fossils as evidence of past living organisms and the nature of the environments at the time using models

2nd Quarter

TEKS 5..5A	**Classifying Matter by Physical Properties** • Physical properties ○ states of matter, mass, relative density, solubility, conductivity, magnetism
TEKS 5.5BC review of 3.5D 4.5D	**Properties of Mixtures & Solutions** • Some parts of mixtures keep physical properties • Identify physical properties changes that can occur • Solubility, dissolve • Separate mixtures/solutions
TEKS 5.6A	**Uses of Energy** • including mechanical, light, thermal, electrical, and sound energy • insulators/conductors of thermal energy
TEKS 5.6B	**Electrical Energy** • flow of current in complete path • parallel & series circuits • can produce light, heat, and sound • conductors / insulators of electrical energy

Topics listed for the grading period must be taught before the new grading period begins. The Science curriculum is designed to be taught every day of the week in the grading period.

3rd Quarter		4th Quarter	
TEKS 5.6C	**Light Energy** • travels in straight line • reflection – shiny surfaces • refraction through different mediums such as water	TEKS 5.8CD	**Comparing Sun, Earth, & Moon Characteristics (cont.)** • Earth's Rotation • Comparing physical characteristics of the Sun, Moon, and Earth
TEKS 5.7B	**Creating Landforms by Wind, Water & Ice** • recognize how landforms are the result of changes to Earth's surface by wind, water, & ice • weathering, erosion, deposition • landforms – deltas, canyons, sand dunes	TEKS 5.2A-G 5.6D	**Experimenting with Forces** • Scientific inquiry methods • design an experiment that tests the effect of force on an object • review magnetism, gravity, & friction
TEKS 5.7A	**Formation of Sedimentary Rocks & Fossil Fuels** • explore the processes that led to the formation of sedimentary rocks and fossil fuels	3.5C 3.6B 3.7B 3.8D 3.9A 3.10C 4.7AC 4.8ABC	**STAAR Review & Assessment** • 3rd grade topics – rapid changes to earth's surface, volcanoes, landslides, earthquakes, planets, life cycles • 4th grade topics – soil, renewable & nonrenewable resources, weather maps, shadows, seasons, moon phases
TEKS 5.8AB	**Weather & Climate** • differentiate between weather & climate • water cycle (how Sun interacts with oceans)		
			STEM Challenges / Coding (+ 10 days)
TEKS 5.8CD	**Comparing Sun, Earth, & Moon Characteristics** • Earth's Rotation • Comparing physical characteristics of the Sun, Moon, and Earth		

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