Basic Science Mysteries

Scope and Sequence

Chapter 1

Key topics: organisms and their systems: nervous, endocrine, muscular/skeletal, digestive, circulatory, respiratory, urinary, reproductive, immune; five senses, genetics, lifestyle factors and ecosystems

Chapter 2

Key topics: fish, simple machines, electricity, health and bacteria, snakes, Sun and Moon, nocturnal creatures, motors, Moon phases, spiders, Earth's tilt and orbit, metals, telescopes, caves, thunderstorms

Chapter 3

Key topics: Crop rotation, fossil fuels, photosynthesis, nitrogen and carbon cycles, environmental factors of organism survival, wind, water, glaciers, minerals, food groups, rock formation and transformation, food chains, soil composition, wheels and oils, measuring work and energy, water reservoirs, gas, liquids, solids, first aid, temperature

Chapter 4

Key topics: solar system distances, composition, energy; theories of origin, scientific laws, gravity, velocity, friction, constellations, star magnitude, scientific law, premises and theories

Chapter 5

Key topics: meteorology, humidity, precipitation, latitudes, climate zones, clouds, coalescence, weather systems, mountain formations, volcanoes, earthquakes, theories of formation, transitional forms, geologic column, law of superposition, fossils, theories on extinction, smog, rain, hazardous materials, recycling, deltas, sediment