

# Scope and Sequence

Science Cards	Vocabulary
<b>LIFE SCIENCE</b>	
1 Building Blocks of Life	cells, tissues, organ
2 Seeing Cells	compound microscope, cell theory
3 One-Celled Organisms	unicellular organism
4 Parts of a Cell	cell membrane, cytoplasm, nucleus
5 Plant and Animal Cells	cell wall, chloroplasts
6 Photosynthesis	energy, photosynthesis, chlorophyll
7 Respiration	stored energy, respiration, carbon dioxide
8 Plant Structures	pollen, stamen, pistil
9 Plant Systems	vascular tissue, transport system
10 Plant Adaptations	tropism, stimulus, response
11 Circulatory System	circulatory system, arteries, veins
12 Respiratory System	respiratory system, alveoli, capillaries
13 Digestive System	digestion, enzymes, nutrients
14 Excretory System	excretion, kidneys, bladder
15 Muscular-Skeletal System	ligaments, cartilage, tendons
16 Metabolism	chemical change, metabolism, calorie
17 Disease	disease, malnutrition
18 Systems Work Together	nervous system, skeletal system, muscular system
19 Heredity	gene, instinct, learned behavior
20 Ecosystems	ecosystem, population, community
21 Habitats	habitat, niche
22 Populations	limiting factor, carrying capacity, population density
23 Interactions in Ecosystems	predation, symbiosis
24 Energy Transfer	food web, energy pyramid
25 Carbon Cycle	carbon cycle, photosynthesis, respiration
26 Nitrogen Cycle	nitrogen, nitrogen cycle
27 Land Biomes	climate, biome
<b>EARTH SCIENCE</b>	
28 Air	air, air pressure, wind
29 Spheres of Earth	biosphere, lithosphere, hydrosphere
30 Earth's Atmosphere	atmosphere, troposphere, ozone
31 Sun and Weather	radiation, convection current
32 Weather and Climate	weather, climate
33 Earth's Climates	temperate zones, polar zones, tropical zones
34 Predicting Weather	meteorologists, weather satellites, data
35 Weather Fronts	cold front, warm front, weather map
36 Severe Weather	tornado, hurricane, monsoons
37 Water Cycle	humidity, dew point, runoff
38 Freshwater and Salt Water	salt water, oceans, freshwater
39 Water on Earth	groundwater, water table, conservation

40 Ocean Floor	continental shelf, mid-ocean ridges, rift zones
41 Ocean Currents and Waves	ocean current, ocean waves, crests
42 Changes on the Ocean Floor	constructive force, rift valley, volcano
43 Layers of Earth	crust, mantle, core
44 Volcanoes	magma, caldera, mass wasting
45 Earthquakes	earthquake, faults, seismograph
46 Mountain Forming	folding, faulting, dome
47 Deposition	erosion, deposition, delta
48 Fossil Fuels	bituminous coal, natural gas, petroleum
49 Gravity	gravitational attraction, mass, weight
50 Earth and Moon	spring tides, neap tides, craters
51 Energy from the Sun	radiant energy, equator
52 The Solar System	solar system, terrestrial planets, Jovian planets
53 The Universe	star, Milky Way galaxy, telescope
<b>PHYSICAL SCIENCE</b>	
54 Matter	matter, mass, physical property
55 Measuring Matter	density, volume
56 States of Matter	melting point, boiling point
57 Physical and Chemical Changes	physical change, chemical change
58 Chemical Reactions	chemical reaction, products, reactants
59 Mixtures	mixture, solution
60 Dissolving Substances	dissolve, solvent, solute
61 Atoms	atom, proton, electron
62 Models of Atoms	electron cloud model, model, theory
63 Elements	chemical symbol, element, periodic table
64 Molecules	compound, molecule
65 Metals	metal, metalloid, alloy
66 What Is Energy?	energy, kinetic energy, potential energy
67 Forms of Energy	chemical energy, radiant energy, thermal energy
68 Energy Transfer	energy transfer, heat
69 Mechanical Energy	mechanical energy, generator
70 Sound	vibration, sound, waves
71 Electric Circuits	circuit, electric current
72 Heat	conduction, convection, radiation
73 Fossil Fuels	electrical energy, fossil fuel
74 Nuclear Energy	nuclear energy, waste
75 Renewable Energy	renewable energy resources, inexhaustible resources
76 Forces	force, gravity, magnetism
77 Motion	friction, inertia, motion
78 Friction	friction, gravitational force
79 Speed	distance, speed
80 Simple Machines	simple machines, work