

Planning Guide For Grade 1 Science

Topic	PWC Objective(s)	Suggested Time Allocation	PWC Strand	Supporting SOL
Basic Science Skills	1.1.1 / Infused observing differences in physical properties using senses and simple tools; classifying and grouping objects; communicating observations and data; measuring, predicting, inferring by conducting simple experiments	4 weeks (infused throughout with content-specific objectives. Skills are reinforced with hands-on activities)	Reasoning & Logic	1.1 a-g
Characteristics and Life Needs of Plants and Animals	1.2.1 plant needs (food, water, light, and a place to grow); parts (seeds, roots, stems, leaves, blossoms, fruit); characteristics of plants	3 weeks	Life Science	1.4 a-c
	1.2.2 animal life needs; physical characteristics; wild/tame; water homes/land homes	3 weeks	Life Science	1.5 a-c
	1.2.3 seasonal change and weather effects on plants, animals, and people	3 weeks	Life Science	1.7 a-c
Natural Resources	1.3.1 identification of natural resources; factors that affect air and water quality; conservation of natural resources (recycle, reduce, reuse)	6 weeks	Environmental Science	1.8 a-c
Interactions With Water	1.4.1 interaction of matter with water (mixing, dissolving, and temperature)	3 weeks	Physical Science	1.3 a-c
Sound	1.4.2 vibrations; loud and soft	3 weeks	Physical Science	1.2 a-b
Motion	1.4.3 types of motion (straight, circular, back and forth); pushes and pulls; everyday motion	3 weeks	Physical Science	1.2 a-d
Earth – Sun Relationships	1.5.1 sun as the major source of heat and light; daily position of sun in the sky; day and night	5 weeks	Earth & Space Science	1.6 a-b