

## Planning Guide For Grade 2 Science

Topic	PWC Objective(s)	Suggested Time Allocation	PWC Strand	Supporting SOL
Basic Science Skills	2.1.1 / Infused differentiate observations from personal interpretation; repeat observations; classify objects, define conditions that influence change; measure using metric units; construct bar and picture graphs; recognize unusual results; construct models	4 weeks (infused throughout with content-specific objectives. Skills are reinforced with hands-on activities.)	Reasoning and Logic	2.1a-h
Adaptations	2.2.1 effect of weather on plants and animals (migration, hibernation, camouflage, adaptation, dormancy)	5 weeks	Life Science	2.7a
Life Cycles of Living Things	2.2.2 plant and animal life cycle (orderly and identifiable changes in life cycles; formation of flower to the development of the fruit in plants)	3 weeks	Life Science	2.4a-b
Ecosystems and Habitats	2.2.3 living things as a part of a system (interdependence in living and nonliving things; influence of change; extinction)	3 weeks	Life Science	2.5 a-b
	2.3.1 importance of plants (products, useful plants, effect on development of a geographic area)	3 weeks	Environmental Science	2.8 a-c
Matter	2.4.1 solids, liquids, and gases (mass, volume; changes—condensation, evaporation, melting, freezing)	4 weeks	Physical Science	2.3 a-b
Magnets	2.4.2 properties of magnets (vocabulary, applications)	4 weeks	Physical Science	2.2 a-b
Weather	2.5.1 basic weather concepts (temperature, wind, precipitation; severe weather; measuring weather)	4 weeks	Earth and Space Science	2.6 a-b
	2.5.2 the water cycle (role of the sun; processes—evaporation, condensation, precipitation; importance)	3 weeks		

Note: Virginia Standard of Learning 2.7a (weathering and erosion) has been moved from Grade 2 to Grade 3 and included with concepts related to soil. Virginia Standard of Learning 3.9 a-d (the water cycle) has been moved from Grade 3 to Grade 2 and included with concepts related to weather.