

## ***Planning Guide For Kindergarten Science***

<b>Concept</b>	<b>PWC Objective</b>	<b>Supporting SOL</b>	<b>Strand</b>	<b>Suggested Time Allocation</b>
Science Skills	K.1.1 / Infused Identify properties, make observations, construct graphs, make pictorial/verbal descriptions, sequence, group, measure with non-standard units, predict patterns, develop questions, recognize unusual results	K.1a-j	Scientific Reasoning and Logic	4 weeks (infused throughout the year with content-specific objectives. Skills are reinforced with hands-on activities.)
	K.1.2 Five senses, sense organs, sensory descriptors	K.2a-c	Scientific Reasoning and Logic	3 weeks
Plant and Animal Processes	K.2.1 Basic needs of plants and animals, life cycles (life needs, changes during growth, parent/offspring similarities and differences)	K.6a-c K.8c K.9a	Life Science	4 weeks
	K.2.2 Human growth, change, and daily patterns (stages of human growth; daily patterns for meeting life needs)	K.9a-b K.8d	Life Science	4 weeks
Conserving Natural Resources	K.3.1 Reduce, Recycle, Reuse, Conserve	K.10a-c	Environmental Science	2 weeks
Matter	K.4.1 Natural and artificial sources of heat (sun and human-made); effects of temperature changes on objects	Provides foundation for 1.6	Physical Science	2 weeks
	K.4.2 Physical properties of matter (color, shape, texture, relative size); speed and position	K.4a-c	Physical Science	3 weeks
	K.4.3 Physical properties of water (states of water; natural downhill flow; effect of temperature on states; float/sink)	K.5a-c	Physical Science	3 weeks
	K.4.4 Light and shadows (occur in the presence of natural sunlight and can be produced by artificial light)	K.7a-b	Physical Science	2 weeks
	K.4.5 Properties of magnets (push/pull; attract/repel; metal/non-metal)	K.3a-b	Physical Science	2 weeks
Daily and Seasonal Weather	K.5.1 Observation of daily weather conditions; seasonal temperature and precipitation patterns	K.8a	Earth and Space Science	4 weeks