## **BERMUDIAN SPRINGS SCHOOL DISTRICT GRADE 8 ENVIRONMENTAL/PHYSICAL SCIENCE - Year-Long Curriculum Map**



Technology,

experiment)

Graphing)

waste)

studies)

behavior)

Chemical reactions)

vs. Bases)

Classification of Matter (Composition of matter, Acids

Oct. Feb. Aug. Sept. Nov. Dec. Jan. Mar. Apr. May 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 **UNIT/Week** 2 3 4 5 6 Intro to Science (Science vs. Observation/Inference, Scientific method. Parts of an Metric System & Graphing (Conversions, Measuring, Land Usage (Environmental issues, Uses of the land, Forests & Fisheries, Solid Pest & Population Studies (Invasive species, Population Ecology (Levels of biological organization, Biotic vs. Abiotic factors, Relationships in an ecosystem, Biomes) Matter (4 states of matter, Changes of state, Fluid Elements & the Periodic Table (Atomic structure, diagramming an atom, Periodic Table, Elements) Compounds & Chemical Reactions (Compounds, Ionic bonding, Covalent bonding,

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Energy & Work (Types of																								
energy, PE vs. KE, Work &																								
power)																								
Motion & Forces (Motion,																								
Velocity, Acceleration,																								
Newton's Laws of Motion)																								
Electricity & Magnetism																								
Light & Sound		T	T	T	T	T	Ť				Ť	T												
(Electromagnetic spectrum,																								
Sound waves)																								
Science Fair Projects																								
(Question, Research,																								
Hypothesis, Experiment,																								
Analysis, Conclusion,																								
Presentation)		L																						
Diagnostic/CDT's, PSSA,			L																					
Keystone, Writing			L																					
Foundational Skills: Reading,		T	T																					
Writing, Grammar, Vocabulary																								]
Pre-View Standards																								

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