

Scope and Sequence of Science Objectives

Trinity Episcopal School, Galveston

Abbreviations: B = Beginning, D = Developing, S = Secure

Abbreviated Objective:	Level									
	PK4	K	1	2	3	4	5	6	7	8
Subject Divisions in Boldface										
• Laboratory and Field Investigations										
Demonstrate the link between cause and effect	B	D	D	D	D	S				
Collect data by observing and measuring	B	D	D	D	D	D	D	S		
Ask questions that can be answered by observation		B	D	D	D	D	S			
Analyze data to formulate reasonable explanations			B	D	D	D	D	D	D	S
Design environmentally sound and safe experiments using scientific method					B	D	D	D	D	D
• Chemistry										
Compare substances using physical properties	B	D	D	D	S					
Identify states of matter and differentiate between physical and chemical changes			B	D	D	D	S			
Describe structure and properties of atoms							B	D	D	S
Write formulas of compounds and balance chemical equations										B/S
• Physics										
Experience center of gravity and balance	B	D	D	D	D	S				
Describe, calculate and graph factors involved in motion				B	D	D	D	D	D	S
Compare and contrast forms of energy (thermal, mechanical, kinetic, etc)			B	D	D	D	D	D	D	D
Investigate simple machines				B	D	D	S			
Observe the properties of electricity and magnetism				B	D	D	S			
Describe energy transformations mathematically										B
• Earth and Space										
Analyze natural events and human activities that impact earth systems		B	D	D	D	S				
Describe the movements of bodies in the Solar System			B	D	D	S				
Describe Earth's history			B	D	D	D	D	D	S	
Explore the oceans and their effects on various aspects of Earth			B	D	D	D	D	D	S	
Explain the characteristics of the atmosphere (including weather)	B	D	D	D	D	D	D	D	S	
Illustrate the structure (layers) of the Earth			B	D	D	S				

