

Science Curriculum Grade 5th  
Cross County School

Science Skill	Concept	District Objective	Curricular Indicator	Performance Level	Pacing	Instructional Materials/ Class Activities	Intervention	Assessment Local	Assessment NeSA
		Science Fair (Cummulation of ALL inquiry)							
Inquiry	Scientific Questioning	Ask testable scientific questions	5.1.1.a	P	All Year				
	Scientific Investigations	Plan and Conduct investigations and identify factors that have the potential to impact an investigation	5.1.1.b	P	All Year				
	Scientific Tools	Select and use equipment correctly and accurately	5.1.1.c	P	All Year				
	Scientific Observations	Make relevant observations and measurements	5.1.1.d	P	All Year				
	Scientific Data Observations	Collect and organize data	5.1.1.e	P	All Year				
	Scientific Interpretations, Reflections, and Applications	Develop a reasonable explanation based on collected data	5.1.1.f	P	All Year				
	Scientific Communication	Share information, procedures, and results with peers and/or adults	5.1.1.g	P	All Year				
	Scientific Communication	Provide feedback on scientific investigations	5.1.1.h	P	All Year				
	Mathematics	Use appropriate mathematics in all aspects of scientific inquiry	5.1.1.i	P	All Year				
	Scientific Knowledge	Recognize that scientific explanations are based on evidence and scientific knowledge	5.1.2.a	P	All Year				
	Science and Society	Recognize that new discoveries are always being made which impact scientific knowledge	5.1.2.b	P	All Year				

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	Science as a Human Endeavor	Recognize many different people study science	5.1.2.c	P	All Year				
	Abilities to do Technical Design	Identify a simple problem	5.1.3.a	P	All Year				
		Propose a solution to a simple problem	5.1.3.b	P	All Year				
		Implement the proposed solution	5.1.3.c	P	All Year				
		Evaluate the implementation	5.1.3.d	P	All Year				
		Communicate the problem, design, and solution	5.1.3.e	P	All Year				
Earth Science	Objects in the Sky and Universe	Recognize that the observed shape of the Moon changes from day to day during a one month period (draw & label)	5.4.1.a	M	Sep/Oct				
	Motion of Objects in the Solar System	Recognize the motion of objects in the sky (the Sun, planets, moons, asteroids, comets)	5.4.1.b	M	Sep/Oct				
	Use of Earth Materials	Identify how Earth's materials are used (fuels, building materials, and sustaining plant life)	5.4.2.c	M	Feb/Mar				
	Weather and Climate	Identify difference between weather, climate and seasons (do a unit on various climates)	5.4.3.c	M	Aug/Sep				
	Past/ Present Earth	Identify changes in weather, climate, and seasons with respect to drought, heat, flood, tornado, blizzard	5.4.4.a	I/M	Aug/Sep				
Physical Science	Properties and Structure of Matter	Identify pure substances and mixtures	5.2.1.a	M	Jan/Feb				

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	States of Matter	Identify properties of solid, liquid, gas, and their state of change caused by heating and cooling	5.2.1.a	M	Jan/Feb	(oblic)			
	Motion	Measure physical properties using standard and metric measurement (speed) including speed feet per second vs. meter per second	5.2.2.a	I	Oct/Nov				
	Sound/ Mechanical Waves	Describe how loudness/ softness of sound can be altered by changing the vibration of the sound	5.2.3.a	P	Nov/Dec	Blue Man Group Project/ Tuning Forks			
	Sound/ Mechanical Waves	Identify vibration as the source of sound, sound can be changed by altering the vibration	5.2.3.a	P	Nov/Dec	Blue Man Group Project			
Life Science	Impact on Ecosystems	Recognize all organisms cause changes, some beneficial and some detrimental, in the environment where they live	5.3.3.d	M	Mar				
	Health	Maturation (how to shower, deoderent use, teeth, changing/washing of clothing)		P	Spring (1 day gender divided meeting, then 1 week unit)				