

LESA  
Science Curriculum  
2008  
Scope and Sequence

STRAND	Standard	GRADE LEVEL							
		PreK	K	1	2	3	4	5	6, 7, 8
<b>1. Unifying Concepts and Processes (NSES, IL 12)</b>									
	A. Systems, Order, and Organization	x	x	x		x	x	x	x
	B. Evidence, Models, and Explanation					x	x	x	x
	C. Change, Constancy, and Measurement	x	x	x	x	x	x	x	x
	D. Evolution and Equilibrium							x	x
	E. Form and Function		x	x	x	x	x	x	x
<b>2. Science as Inquiry (NSES, IL 11, MO 7)</b>									
	A. Abilities Necessary to Do Scientific Inquiry			x	x	x	x	x	x
	B. Understandings about Scientific Inquiry			x	x	x	x	x	x
<b>3. Physical Science (NSES, IL 12, MO 1, 2)</b>									
	A. Properties of Object and Materials	x	x	x	x	x	x		
	B. Position and Motion of Objects	x	x	x	x	x	x		
	C. Light, Heat, Electricity, and Magnetism	x	x	x	x	x	x		
	D. Properties and Changes of Properties in Matter							x	x
	E. Motions and Forces							x	x
	F. Transfer of Energy							x	x
<b>4. Life Science (NSES, IL 12, MO 3, 4)</b>									
	A. Characteristics of Organisms	x	x	x	x	x	x		
	B. Life Cycles of Organisms	x	x	x	x	x	x		
	C. Organisms and Environments	x	x	x	x	x	x		
	D. Structure and Function of Living Systems	x						x	x
	E. Reproduction and Heredity							x	x
	F. Regulation and Behavior							x	x
	G. Populations and Ecosystems							x	x
	H. Diversity and Adaptations of Organisms							x	x
<b>5. Earth and Space Science (NSES, IL 12, MO 5, 6)</b>									
	A. Properties of Earth Materials	x	x	x	x	x	x		
	B. Objects in the Sky	x	x	x	x	x	x		
	C. Changes in Earth and Sky	x	x	x	x	x	x		
	D. Structure of the Earth System							x	x
	E. Earth's History							x	x
	F. Earth in the Solar System							x	x
<b>6. Science and Technology (NSES, IL 13, MO 8)</b>									
	A. Abilities of Technological Design	x	x	x	x	x		x	x
	B. Understands about Science and Technology			x	x	x	x	x	x
	C. Abilities to Distinguish Between Natural Objects and Objects Made by Humans	x	x	x	x	x		x	

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<b>7. Science in Personal and Social Perspectives (NSES, IL 12, MO 8)</b>									
	A. Personal Health	x	x	x	x	x	x	x	x
	B. Characteristics and Changes in Populations							x	x
	C. Types of Resources					x	x	x	x
	D. Changes in the Environment	x	x		x	x	x	x	x
	E. Populations, Resources, and Environments							x	x
	F. Natural Hazards	x	x					x	x
	G. Risks and Benefits							x	x
<b>8. History and Nature of Science (NSES, IL 13)</b>									
	A. Science as a Human Endeavor			x	x		x	x	x
	B. Nature of Science							x	x
	C. History of Sciences							x	x