

ANESU Science Topic Sequence – Grades K - 8

Italics = from NSES

	Matter, Motion, Forces, & Energy	Organisms, Evolution, & Interdependence	The Human Body	Universe, Earth, and Environment
K	The Physical World <i>(Abilities Necessary to Do Scientific Inquiry; Understanding about Scientific Inquiry)</i>	Living & Non-living Things <i>(Abilities Necessary to Do Scientific Inquiry; Understanding about Scientific Inquiry)</i>	Body Systems: The Senses <i>(Abilities Necessary to Do Scientific Inquiry; Understanding about Scientific Inquiry)</i>	The Environment <i>(Abilities Necessary to Do Scientific Inquiry; Understanding about Scientific Inquiry)</i>
1	Forces & Motion <i>(Position & Motion of Objects)</i>	Characteristics of Insects <i>(Characteristics of Organisms; Life Cycles of Organisms; Organisms & Environments)</i>		Earth, Sun & Moon; What is Earth Made Of? <i>(Objects in the Sky; Properties of Earth Materials)</i>
2	Matter <i>(Properties of Objects & Materials)</i>	Characteristics of Animals <i>(Characteristics of Organisms; Life Cycles of Organisms; Organisms & Environments)</i>		Water/Weather <i>(Changes in the Earth & Sky)</i>
3	Light; Sound <i>(Light, Sound, Properties of Objects & Materials)</i>	Characteristics of Plants <i>(Characteristics of Organisms; Life Cycles of Organisms; Organisms & Environments)</i>		Earth’s Changing Surface; Rock & Minerals <i>(Changes in the Earth & Sky; Properties of Earth Materials)</i>
4	Currents, Magnets, & Electricity <i>(Electricity & Magnetism)</i>	Animal Habitats <i>(Characteristics of Organisms; Life Cycles of Organisms; Organisms & Environments)</i>	Body Systems/Growth & Development (digestive, skeletal, muscular, and urinary systems) <i>(Characteristics of Organisms; Personal Health)</i>	
5	Chemistry <i>(Properties & Changes of Properties in Matter; Transfer of Energy)</i>	Ecosystems; Environment <i>Populations & Ecosystems; Populations, Resources & Environments; Risks & Benefits)</i>		Natural Resources, Pollution, Recycling <i>(Populations, Resources, Environments; Risks & Benefits; Structure of the Earth System; Earth’s History)</i>
6	Forces <i>(Motions & Forces)</i>		Body Systems/Growth & Development (cardiovascular, respiratory, endocrine, nervous, immune, and reproductive systems) <i>(Structure & Function in Living Systems; Personal Health)</i>	Cyclic Events in the Solar System <i>(Structure of the Earth System; Earth’s History; Earth in the Solar System)</i>

Please note: in grades K-6, each topic may be taught one grade higher or lower than it is listed on this chart, according to decisions made by the full faculty. Human Body topics, included in the ANESU Health Curriculum, also appear here. They should be taught EITHER by the classroom teacher, or the health educator, or both. These topics may be taught in the single grade indicated, or split among several grades.

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	Matter, Motion, Forces, & Energy	Organisms, Evolution, & Interdependence/Human Body	Universe, Earth, & Environment: Theories, Systems, and Forces
Grade 7 Life Science		<i>Structure & Function in Living Systems Reproduction & Heredity Regulation & Behavior Populations & Ecosystems Diversity & Adaptations of Organisms Populations, Resources & Environments</i>	
Grade 8 Physical Science	<i>Properties & Changes of Properties in Matter Motions & Forces Abilities of Technological Design Structure of Atoms Chemical Reactions Transfer of Energy</i>		
Grades 7/8 Unified Arts Health		<i>Structure & Function in Living Systems Reproduction & Heredity, Personal Health (See ANESU Health Curriculum Guidelines)</i>	

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