



MOTIVATED VISIONARY PROBLEM SOLVERS

Sumter County Intermediate Fifth Grade Science Curriculum Map

Instructional Segment	Earth and Changes Over Time	Dynamics of Classification	Cells and Microorganisms	Energy Transfer through Electricity and Magnetism	Physical and Chemical Changes
Estimated Time	8 weeks	7 weeks	8 weeks	7 weeks	6 weeks
Crosscutting Concepts	<ul style="list-style-type: none"> • Structure and function • Cause and effect • Systems and system models 	<ul style="list-style-type: none"> • Patterns • Stability and change • Structure and function 	<ul style="list-style-type: none"> • Systems and system models • Structure and function • Scale, proportion, and quantity 	<ul style="list-style-type: none"> • Energy and matter • Systems and system models 	<ul style="list-style-type: none"> • Cause and effect • Energy and matter
Anchoring Phenomenon	Year-Long Phenomenon: Evidence of Change				
Core Ideas	<ul style="list-style-type: none"> • Impact of Earth's processes on landforms (Yellowstone, Providence Canyon, island formation) • Geologic processes • Formation and/or destruction of landforms 	<ul style="list-style-type: none"> • Comparison pictures: living things look alike but are classified differently • Grouping animals and plants by their internal and/or external structure • Inherited traits • Acquired traits 	<ul style="list-style-type: none"> • Decomposition of multicelled organisms by single celled organisms • Magnification tools are needed to observe very small things • Plant cell structure and function • Animal cell structure and function • Microorganisms 	<ul style="list-style-type: none"> • Van de Graaff • Static electricity • Current electricity (human-harnessed) • Energy transfer • Simple electric circuit • Magnetic field and force • Insulators and conductors of electricity 	<ul style="list-style-type: none"> • Elephant toothpaste • Physical changes • Chemical changes • Phases/States of water are related to temperature changes • Energy transfer

			can be helpful or harmful		
Science and Engineering Practices	Obtain, Evaluate, and Communicate Information				
	<ul style="list-style-type: none"> • Engaging in argument from evidence • Developing and using models <ul style="list-style-type: none"> • Asking questions and defining problems 	<ul style="list-style-type: none"> • Developing and using models • Asking questions and defining problems 	<ul style="list-style-type: none"> • Developing and using models • Constructing explanations • Engaging in argument from evidence 	<ul style="list-style-type: none"> • Planning and carrying out investigations • Engaging in argument from evidence 	<ul style="list-style-type: none"> • Planning and carrying out investigations • Engaging in argument from evidence
GSE	S5E1. a, b, c	S5L1. a, b; S5L2. a, b	S5L3. a, b, c; S5L4. a, b	S5P2. a, b, c; S5P3. a, b	S5P1. a, b, c

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Edited August 2022