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|  | **Standards** | **Cross Cutting Concepts** | **Core Ideas** | **Science and Engineering Practices** | **Anchoring Phenomenon** |
| **1st TRIMESTER (43 Instructional Days)** | **Earth and Changes Over Time**

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| **S5E1**a,b,c  |

**Dynamics of Classification**

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| **S5L1**a,b; **S5L2**a,b  |

**Cells and Microorganisms**

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| **S5L3**a,b,c; **S5L4**a,b  |

**Energy Transfer through Electricity and Magnetism**

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|  **S5P2**a,b,c**; S5P3**a,b **Physical and Chemical Changes** |

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| \*Structure and function  \*Cause and effect\*Systems and system models  |

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| \*Patterns \*Stability and change\*Structure and function

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| \*Systems and system models \*Structure and function \*Scale, proportion, and quantity

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| \*Energy and matter \*Systems and system models

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| \*Cause and effect \*Energy and matter  |

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| ● Geological processes ● Formation and/or destruction of landforms  |

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| ● Grouping animals and plants by their internal and/or external structure ● Inherited traits ● Acquired traits

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|  ● Magnification tools are needed to observe very small things ● Plant cell structure and function ● Animal cell structure and function ● Microorganisms can be helpful or harmful

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| ● Static electricity ● Current electricity (human-harnessed) ● Energy transfer ● Simple electric circuit ● Magnetic field and force ● Release of stored energy ● Insulators and conductors of electricity

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| ● Physical changes ● Chemical changes ● Phases/States of water are related to temperature changes ● Energy transfer  |

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| ● Engage in argument from evidence ● Develop and use models ● Ask questions ● Analyze and interpret data ● Use mathematics and computational thinking

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| ● Develop and use models ● Ask questions  |

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| ● Ask questions ● Develop and use models ● Construct explanations ● Engage in argument from evidence

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| ● Plan and carry out investigations ● Engage in argument from evidence  |

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| ● Plan and carry out investigations ● Engage in argument from evidence  |

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| Impact of Earth’s processes on landforms (Yellowstone, Providence Canyon, island formation)  |

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| Comparison, Pictures, Living things look alike but are classified differently (See link on GADOE map)  |
| Decomposition of multi-celled organisms by single-celled organisms (See link on GADOE map.)  |

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| Van de Graaff <https://www.youtube.com/watch?v=1HC9mfgFo38>  |

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| Elephant Toothpaste Three levels of elephant toothpaste (See GADOE links on GADOE map.) |

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| **2nd TRIMESTER (43 Instructional Days)** |
|  **3rd TRIMESTER (42 Instructional Days)** |

**Laurens County Schools 5th Grade Science Curriculum Map**

 **(128 Instructional Days + 2 Weeks to Review Before Testing)**



(15 days)