CLAY COMMUNITY SCHOOLS – CURRICULUM SCIENCE STANDARDS
GRADE 3

QUARTER 1

Earth and Space Science (ESS)
3.ESS.1 Obtain and combine information to determine seasonal weather patterns across the different regions of the United States.
3.ESS.2 Develop solutions that could be implemented to reduce the impact of weather related hazards.
3.ESS.3 Observe the detailed characteristics of rocks and minerals. Identify and classify rocks as being composed of different combinations of minerals.
3.ESS.4 Determine how fossils are formed, discovered, layered over time, and used to provide evidence of the organisms and the environments in which they lived long ago.

QUARTER 2

Physical Science (PS)
3.PS.1 Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.
3.PS.2 Identify types of simple machines and their uses. Investigate and build simple machines to understand how they are used.
3.PS.3 Generate sound energy using a variety of materials and techniques, and recognize that it passes through solids, liquids, and gases (i.e. air).
3.PS.4 Investigate and recognize properties of sound that include pitch, loudness (amplitude), and vibration as determined by the physical properties of the object making the sound.

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QUARTER 3

Engineering (E)
3-5.E.1 Identify a simple problem with the design of an object that reflects a need or a want. Include criteria for success and constraints on materials, time, or cost.
3-5.E.2 Construct and compare multiple plausible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.
3-5.E.3 Construct and perform fair investigations in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.

QUARTER 4

Life Science (LS)
3.LS.1 Analyze evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.
3.LS.2 Plan and conduct an investigation to determine the basic needs of plants to grow, develop, and reproduce.
3.LS.3 Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
3.LS.4 Construct an argument that some animals form groups that help members survive.