Third Grade Science Scope and Sequence

Theme	**INTERCONNECTIONS WITHIN SYSTEMS** This theme focuses on helping students explore the components of various systems and then investigate dynamic and sustainable relationships within systems using scientific inquiry. **Strand Connections**: Matter is what makes up all substances on Earth. Matter has specific properties and exists in different states. Earth's resources are made of matter. Matter can be used by living things and can be used for the energy it contains. There are many different forms of energy. Each living component of an ecosystem is composed of matter and uses energy.			
Spiraled Standards	● **SIA:** SIA.1, SIA. 3, SIA.4, SIA.5, SIA.6			
	Quarter 1	**Quarter 2**	**Quarter 3**	**Quarter 4**
Strand	**Life Science (Behavior, Growth and Changes)**	**Earth Science (Earth's Resources)**	**Physical Science (Matter)**	**Physical Science (Energy)**
Content Statements	● **3.LS.1 Offspring resemble their parents and each other.** *Individual organisms inherit many traits from their parents indicating a reliable way to transfer information from one generation to the next.* *Some behavioral traits are learned through interactions with the environment and are not inherited.* ● **3.LS.2 Individuals of the same kind of organism differ in their inherited traits. These differences give some individuals an advantage in surviving and/or reproducing.** *Plants and animals have physical features that are associated with the environments where they live.*	● **3.ES.1 Earth's nonliving resources have specific properties.** *Soil is composed of pieces of rock, organic material, water and air and has characteristics that can be measured and observed.* *Use the term "soil", not "dirt". Dirt and soil are not synonymous.* *Rocks have specific characteristics that allow them to be sorted and compared.* *Rocks form in different ways. Air and water are also nonliving resources.* ● **3.ES.2 Earth's resources can be used for energy.** *Renewable energy resources, such as wind, water or solar energy, can be replenished within a short*	● **3.PS.1 All objects and substances in the natural world are composed of matter.** *Matter takes up space and has mass.* ● **3. PS.2 Matter exists in different states, each of which has different properties.** *The most common states of matter are solids, liquids and gases.* *Shape and compressibility are properties that can distinguish between the states of matter.* *One way to change matter from one state to another is by heating or cooling.*	● **3. PS.3 Heat, electrical energy, light, sound, and magnetic energy are forms of energy.** *There are many different forms of energy. Energy is the ability to cause motion or create change.* **PS:** 3.PS.1, 3. PS.2

	Plants and animals have certain physical or behavioral characteristics that influence their chances of surviving in particular environments. **Note:** ● **3.LS.3 Plants and animals have life cycles that are part of their adaptations for survival in their natural environments.** *Worldwide, organisms are growing, reproducing, dying and decaying. The details of the life cycle are different for different organisms, which affects their ability to survive and reproduce in their natural environments.*	*amount of time by natural processes.* *Nonrenewable energy is a finite resource, such as natural gas, coal or oil, which cannot be replenished in a short amount of time.* ● **3.ES.3 Some of Earth's resources are limited** *Some of Earth's resources become limited due to overuse and/or contamination. Reducing resource use, decreasing waste and/or pollution, recycling and reusing can help conserve these resources.*		
Resources	● Inspire McGraw Hill ● Non Fiction Text ● ODE Model Curriculum	● Inspire McGraw Hill ● Non Fiction Text ● ODE Model Curriculum	● Inspire McGraw Hill ● Non Fiction Text ● ODE Model Curriculum	● Inspire McGraw Hill ● Non Fiction Text ● ODE Model Curriculumhttps://www.georgiastandards.org/Frameworks/GSO%20Frameworks/3%20Science%20Detailed%20Unit%20Heat%20Energy.pdf
STEAM	STEAM Everywhere https://www.youtube.com/watch?v=BLMsgeyhVWc	STEAM Everywhere https://www.youtube.com/watch?v=BLMsgeyhVWc	STEAM Everywhere https://www.youtube.com/watch?v=BLMsgeyhVWc	STEAM Everywhere https://www.youtube.com/watch?v=BLMsgeyhVWc

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