Keep Louisiana Beautiful *Rocksey's Toolbox Lessons* (2016) – Alignment with the Louisiana Student Standards for Science (2017)

Summary:
The newly adopted Louisiana Student Standards for Science (2017) have reduced the number of content standards to be covered at each grade level. In addition, the science as inquiry skills have been merged into each individual standard so that each standard now has a content component as well as a skill or performance associated with it. The 2017 LA Student Standards for Science giving the Performance Expectation and Clarification Statement for each standard (https://www.louisianabelieves.com/resources/library/academic-standards). The text of the standards that are in alignment with Rocksey's Toolbox Lessons can be found on page 2 of this document.

Many of the lessons at Kindergarten and Fifth grades are nicely aligned with the LSSS (2017) Disciplinary Core Ideas in the areas of Physical Science (Matter and Its Interactions; PS1) and Earth and Space Science (Human Sustainability; ESS3).

Lesson #	Kindergarten	1st Grade	2nd Grade	3rd Grade	4th grade	5th grade
Lesson 1	-	-	2-PS1-1	-	-	5-PS1-3 5-ESS3-1
Lesson 2	-	-	-	-	-	-
Lesson 3	K-ESS3-3	-	2-PS1-1 2-PS1-2	-	-	5-ESS3-1
Lesson 4	K-ESS3-3	-	-	-	-	5-ESS3-1
Lesson 5	K-ESS3-3	-	-	-	-	5-ESS3-1
Lesson 6	K-ESS3-3	-	-	-	-	5-ESS3-1
Lesson 7	K-ESS3-3	-	-	-	-	5-ESS3-1
Lesson 8	K-ESS3-3	-	2-PS1-1	-	-	5-ESS3-1
Lesson 9	K-ESS3-3	-	-	-	-	-
Lesson 10	K-ESS3-3	-	-	-	-	5-ESS3-1

LSS Science (2017) that align with Rockey's Toolbox Lessons.

K-ESS3-3	**EARTH AND HUMAN ACTIVITY**
Performance Expectation	Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.
Clarification Statement	Examples of human impact on the land could include cutting trees to produce paper and using resources to produce bottles. Examples of solutions could include reusing paper and recycling cans and bottles.

2-PS1-1	**WAVES AND THEIR APPLICATIONS**
Performance Expectation	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
Clarification Statement	Observations could include color, texture, hardness, or flexibility. Patterns could include the similar properties that different materials share.
2-PS1-2	**MATTER AND ITS INTERACTIONS**
Performance Expectation	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.
Clarification Statement	Examples of properties could include strength, flexibility, hardness, texture, or absorbency.

5-PS1-3	**MATTER AND ITS INTERACTIONS**
Performance Expectation	Make observations and measurements to identify materials based on their properties.
Clarification Statement	Examples of materials to be identified could include baking soda and other powders, metals, minerals, or liquids. Examples of properties could include color, hardness, reflectivity, electrical conductivity, thermal conductivity, response to magnetic forces, or solubility; density is not intended to be used as an identifiable property. No attempt is made to define the unseen particles or explain the atomic-scale mechanism of evaporation and condensation.
5-ESS3-1	**EARTH AND HUMAN ACTIVITY**
Performance Expectation	Generate and compare multiple solutions about ways individual communities can use science to protect the Earth's resources and environment.
Clarification Statement	Examples of solutions can include cleanup of oil spills, protecting against coastal erosion, or prevention of polluted runoff into waterways.