



DIVE DEEPER: Regenerative Agriculture Teacher Lesson Plan

SYNOPSIS

What is the role of soil as a carbon sink? How do farming practices reduce carbon emissions? What is the difference between modern conventional farming and regenerative agriculture? What are the principles of regenerative agriculture and managed grazing? What are other food-based and land-based solutions to climate change? This course teaches the main concepts in the *Just Have a Think* Video #130: Regenerative Agriculture.

TOTAL TIME

45-50 min (one class period).

ACTIVITY

Watch the relevant video as a class (10-15 minutes); then have the students work either in small groups or individually online through active student responding (answering questions, receiving hints and feedback for each question). The students should use the hints if they don't know the answer. Optional discussion on connections: How are the students' lives connected to farming? Have they visited a farm or helped garden? The video is embedded in the online course and is also available on YouTube at: https://youtu.be/yZopUOb_7wA

LEARNING OUTCOMES

Modified Bloom's Taxonomy: Definition/Conceptual; Explain/Identify; Apply; Critique/Analyze

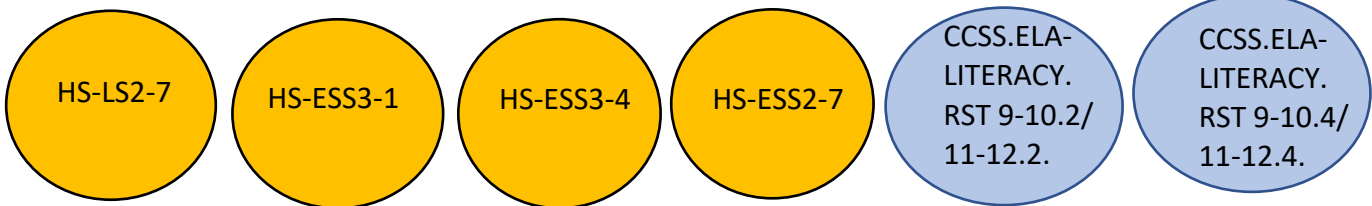
- Students will understand **key terms** underlying soil formation and health, the ecological relationship between herbivores and grasslands, and regenerative agriculture.
- Students will **explain/identify** the relationship between lichens and soil, soil and farming techniques, the role of soil as a carbon sink, and the ecological benefit of managed grazing.
- Students will **evaluate food-based and land-based solutions** to climate change.
- Students will **critique and analyze** the differences between large-scale conventional farming and regenerative agriculture.

PLANNING

Register your class by emailing: support@behaviordevelopmentsolutions.com

SCIENCE STANDARDS

● NGSS
● Common Core



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