Subject:	Science	Topic:	**Earth Systems, Structures and Processes**
Teacher:	Mitchell	Date:	2-9 → 2-13

CCSS Standard:	6.E.2.4 Conclude that the good health of humans requires: monitoring the lithosphere, maintaining soil quality and stewardship.
Learning Target:	I will understand that..... Humans can affect the quality of the soil. Soil quality can affect human health. Humans are responsible for monitoring and maintaining soil quality
Essential Question(s):	What are five solid ways to be good stewards of our soil? (Describe)

Activity	**Description of Activities and Setting**	
I. **L**ink and Hook	This week we will learn about soil, what it is made of, its layers and how to protect it.	
	Literacy **Remember** Recognizing	Students should already know the basic properties of soil such as how much moisture it will hold and what's needed to support plant growth. Review as needed. Which of these does not cause soil erosion? a. water b. wind c. snow d. rocks
II. **E**ngage and Educate to include **A**ctive Learning 504 modifications ET and RA. Additional student and teacher modeling will help to guide all students to reach expected outcomes.	***Chunk 1:*** Recalling **Understand** Interpreting Exemplifying Classifying Summarizing Inferring Comparing Explaining	**BrainPop**: https://www.brainpop.com/science/earthsystem/erosion/ Present vocabulary and link to known concepts. Conservation plowing — Lithosphere Contour Plowing — Remote sensing Crop rotation — Soil quality Environment — Stewardship Land Use — Vegetative Cover
	Chunk 2: **Apply** Executing Implementing	Why do you think that it is critical for humans to be good stewards of the soil? What would happen if crop rotation, contour plowing, and conservation plowing where not used by a farmer?
	Chunk 3: **Analyze** Differentiating Organizing Attributing	**Explore** The environment may contain dangerous levels of substances that are harmful to human beings. Therefore, the good health of individuals requires monitoring the soil, air, and water and taking steps to make these factors safe for all organisms. Evaluate ways in which human activities have affected Earth's pedosphere and the measures taken to control the impact: vegetative cover, agriculture such as contour plowing, conservation plowing, land use, nutrient balance (crop rotation), and soil as a vector. Technology, such as remote sensing, has allowed humans to better study the human impact on soil quality and erosion processes so that the soil can be protected and preserved. Over time, remote sensing information can tell us how humans are constantly changing the surface of the Earth and what impact these changes are likely to produce. Technologies can also assist in finding ways to help prevent erosion. It is important that humans be stewards of the pedosphere.
	Chunk 4: **Create** Generating Planning Producing *Literacy*	Go through soil conservation powerpoint PowerPoint for Chapter 7
III. Closure (Plan for maintenance) **R**eflect, **N**ow (Student Reflection)	Discuss "EZ's and HMMS" Have students self check and assess	