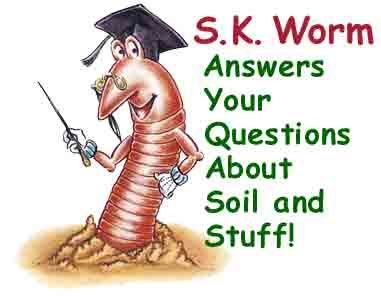
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| **Unit: Properties of Soil – Components of Soil**  **4th Grade Science iPad Activity – Components of Soil** |
| **Objectives/TEKS:**  112.15.B.04.7.A – Examine properties of soils, including color and texture, capacity to  retain water, and ability to support the growth of plants. |
| **TA TEKS:**  2(A) use a variety of input devices such as mouse, keyboard, disk drive, modem, voice/sound recorder, scanner, digital video, CD-ROM, or touch screen;  5(A) acquire information including text, audio, video, and graphics; and  7(A) use software programs with audio, video, and graphics to enhance learning experiences;  7(B) use appropriate software to express ideas and solve problems including the use of word processing, graphics, databases, spreadsheets, simulations, and multimedia; and  7(C) use a variety of data types including text, graphics, digital audio, and video. |
| **QRSet/Free/WiFi** |
| **Brief Description/Steps of Lesson**   1. Teacher will distribute Ernie the Earthworm handout. 2. Students will open the QRset app on the iPad and use it to scan the QR codes placed around the room or at stations. 3. Students will use the items found in the QR codes to draw in the components of soil. |
| **End Product:** Good soil for Ernie the Earthworm! |



HELP! My name is Ernie and I can’t find any soil to crawl around in! Could you please scan the codes around the room and find all the things I need to make some really good soil? I’d really appreciate it. Let’s get started, I’m drying out pretty fast.

Directions – Scan the codes around the room and find the items needed to create soil for Ernie. Draw the items in the box below. Be careful, not all of the things you scan will be used to create Ernie’s soil!



Decaying Leaves Rocks and Mineral



Fish Lightning



Worms Air



Water Fungi



Sun