Christine Knoell

App: Bill Nye the Science Guy iPad app

District: Eastport/South Manor Junior Senior High School

Grade: 8th

Subject: Regents Living Environment (This is a High School Course taught to 8th graders in my school)

CCLS: Since there is no Common Core learning standards adapted for secondary science, I will use the (NGSS) Next Generation Science Standards which may be adapted soon. http://www.nextgenscience.org/next-generation-science-standards.

NGSS: Students in high school develop understanding of key concepts that will help them make sense of life science. The ideas are built upon students' science understanding of disciplinary core ideas, science and engineering practices, and crosscutting concepts from earlier grades. There are four life science disciplinary core ideas in high school: 1) From Molecules to Organisms: Structures and Processes, 2) Ecosystems: Interactions, Energy, and Dynamics, 3) Heredity: Inheritance and Variation of Traits, 4) Biological Evolution: Unity and Diversity. The performance expectations for high school life science blend core ideas with scientific and engineering practices and crosscutting concepts to support students in developing useable knowledge that can be applied across the science disciplines. While the performance expectations in high school life science couple particular practices with specific disciplinary core ideas, instructional decisions should include use of many practices underlying the performance expectations.

Description: Bill Nye the Science Guy. Science rules especially when you grab a seat at the Science Guys desk and help yourself to heaping handfuls of science. Just scan your thumb to gain entrance to Nye labs, the most amazing, scientifically fascinating place on earth (and Possible beyond). Twenty orbits around the sun and 28 Emmys along the way- now that's something to celebrate.

Students can use this app in the classroom for many areas of the life sciences curriculum. In the Science scout manual there are various experiments students can do in the classroom using simple supplies. This can address scientific method while doing these experiments. The periodic table can be clicked on and each element can be clicked on to learn more about them. Life science is made of basic elements like, carbon, hydrogen, oxygen, and phosphorus. If you click on the T.V. various videos came up that students can view including, chemical reactions, the heart and mammals.