

i3 STC Kit Extension Activities

North Carolina

Grade: 7th	
Kit Name: Development and Reproduction of Organisms	
Essential Standard(s): (List number, standard, clarifying objectives where appropriate) 7.L.1.1 Compare the structures and life functions of single-celled organisms that carry out all of the basic functions of life including: Euglena, Amoeba, Paramecium, and Volvox	
Unpack the Standard (What does it mean?? What is the "Big Idea"?): Students will be able to identify basic functions of the euglena, amoeba, paramecium, and volvox	
What is the Engaging (will get the student interesting) Essential Question that the students will be trying to answer as a result of this Extension? What is an amoeba, a euglena, a paramecium, and a volvox?	
Which activities in the kit touch on the Standard(s) and how can they be adjusted to better address the Standard(s)	
Kit Activity	Extension Suggestions
Lesson 4: Exploring Cells – Students investigate the form and function of various cells: plant, animal, and algal.	After teaching lesson 4, teacher will take time to look specifically at the structure and functions of the amoeba, euglena, paramecium, and volvox. Teachers may choose to make a foldable using the form listed in handouts in the "It's a zoo out there" lesson on Learn NC http://www.learnnc.org/lp/editions/proto-zoo-ology/7475 Teachers may use the foldable provided on this site, download and edit the foldable, make a foldable of their own, or simply have students diagram the organisms and list biological functions in their notebooks.
Additional Suggestions: Teachers may show students pictures of the four specific single celled organisms using the site	Ameoba http://www.fcps.edu/islandcreekes/ecology/amoeba.htm Euglena http://www.fcps.edu/islandcreekes/ecology/euglena.htm Paramecium http://www.fcps.edu/islandcreekes/ecology/paramecium.htm Volvox http://flickrhivemind.net/Tags/volvox/Interesting