# i3 STC Kit Extension Activities

## North Carolina

<table>
<thead>
<tr>
<th>Grade: 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kit Name: <em>Studying the Development and Reproduction of Organisms</em></td>
</tr>
</tbody>
</table>

**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, 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 are the basic functions of the euglena, amoeba, paramecium, and volvox?*  

**Which activities in the kit touch on the Standard(s) and how can they be adjusted to better address the Standard(s)?**  
*This kit does not directly teach this essential standard, but this activity should follow Lesson 4 of the kit.*

<table>
<thead>
<tr>
<th>Kit Activity</th>
<th>Extension Suggestions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Additional Suggestions (Literature connections; online resources):**  
After teaching Lesson 4 of the kit teachers will then go to the following website:  
Using this website, students will gain a better understanding of the functions of the euglena, amoeba, 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.

Teachers may show students animations of the four specific single celled organisms using the following websites:  
Paramecium: [www.dnatube.com/video/287/Paramecium](http://www.dnatube.com/video/287/Paramecium)  
Amoeba: [www.dnatube.com/video/1451/Large-active-amoeba](http://www.dnatube.com/video/1451/Large-active-amoeba)  
Euglena: [www.sgprotist.wordpress.com](http://www.sgprotist.wordpress.com) (scroll for animation)  
Euglenaanimation.flv you tube  
Vovlox: [www.dnatube.com/video/1152/observation](http://www.dnatube.com/video/1152/observation) of a volvox under a microscope