**Lesson Plan/Activity Outline**

A large component of the Institute for Systems Biology is education. We regularly work with teachers to create standards-based curriculum with a systems approach that reflect current, worldwide issues. However, we’re doing this module a little differently! Your invaluable classroom expertise will guide the progress of this curriculum module as you pilot our aquaponics systems and create lesson outlines that best fit the needs of you and your students. Our high school science teachers at ISB will take your lesson outline and develop it into a standards-based, engaging lesson to use with your aquaponics system. Our goal is to utilize the knowledge of the best, most passionate teachers around the country to create a curriculum module which others can take advantage of as well.

The lesson outline you develop:

1. Should be science, math, or engineering-based;
2. Must utilize the physical aquaponics system and/or be related to the concept of food security;
3. Can require the use of water quality probeware;
4. Must have a list of objectives for the activity or lesson;
5. Will ideally be hands-on and/or inquiry-based as we want our students to think like scientists;

If you would like to view our current curriculum from different modules to get an idea their rigor, breadth, and depth, please visit our ISB Systems Education Experiences (SEE) page and click on “curriculum modules” on the left: <http://baliga.systemsbiology.net/drupal/education/?q=modules>.