

# INTERDISCIPLINARY

SEPT 2013



Time: 20-45 min



**CCSS.Math.Content.8.EE.C.8c**  
and

**CCSS.ELA-Literacy.RST.6-8.7**

Solve real-world and math problems leading to two linear equations in two variables. Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually.



### **EXTENSION:**

For more info, see page 3:  
[http://pacificaquaa.org/Aqua\\_Curriculum.pdf](http://pacificaquaa.org/Aqua_Curriculum.pdf)

## Analyze and Solve Linear Equations and Pairs of Simultaneous Linear Equations

### **In-class connection to aquaponics.**

**Scenario:** Have students make a prediction of when fishery stock will be depleted if the current human population rate of growth continues (one linear equation) along with the current amount/rate of fish production from capture (second linear equation)

\*Connection to Central Concept 2 (section 1), page 3 from Extension resource.

Example: Given coordinates for two pairs of points, determine whether the line through the first pair of the point intersects the line through the second pair.