

# INTERDISCIPLINARY

SEPT 2013



Time: 20-35 min



**CCSS.Math.Content.8.EE.B.5**  
&

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

Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways.



**EXTENSION:**

For more info, see page 6:  
[http://pacificaqua.org/Aqua\\_Curriculum.pdf](http://pacificaqua.org/Aqua_Curriculum.pdf)

## Graphing Proportional Relationships

**In-class connection to aquaponics.**

**Scenario:** Students collect data (see Extension Resource for data) and graph the relationship of vegetable, fish and non-food products produced by different countries and make comparisons.

Students create both a bar and linear graph of data to visually represent and make a comparison. Students express information in words.

Example: Compare a distance-time graph to a distance-time equation to determine which of two moving objects has greater speed.

\*See resource listed in Extension for details and data.