

**American Physiological Society
Frontiers in Physiology
Online Teacher Professional Development Course**

OVERVIEW SCHEDULE

Quarter	Topic	Assignments
Spring 2010	Course Introduction	Course logistics, administration, etc.
	Lesson 1: Inquiry	Beads Experiment/Poster
	Lesson 2: Equity	Draw a Scientist Test
	Lesson 3: Technology	Survey and website review
Summer 2010	Lesson 4: Understanding the Research Process	1. The Scientific Method 2. Strong Inference 3. Basic and Clinical Research 4. Use of Animals and Humans in Research 5. Research Careers
	Lesson 5: Guided Inquiry	<i>To be determined</i>
	Lesson 6: Open Inquiry	
	Lesson 7: Debrief Methods	Six Star Science
	Lesson 8: Transform a Lab I	Guided
	Lesson 9: Transform a Lab II	Select your own to outline and draft
		Submit to mentor/office for review
		Receive feedback from mentor /office
		Submit full draft to office
Fall 2010	Classroom grant	
	Field test/peer review	Receive feedback from office for final version
		Produce final version
		Submit final version
Reflection on Curriculum Development		
Winter 2011	Lesson 10: Transform a Lab III	Select your own to outline. Complete a Six Star Science table with original and transformed examples. Present a poster at EB of this lesson transformation.
	Lesson 11: Reflection	Prepare for EB 2011
April 9-13, 2011	Experimental Biology Conference	Washington, DC