Course: Pre-AP Professional Development Science  
Date(s): August 04, 2014 – August 07, 2014
Instructor: Bob Morgan  
Email: rhp.morgan@gmail.com
Days: Monday – Thursday  
Time: 8:00am – 5:00pm
Setting: Classroom  
Lunch: One (1) Hour
Prerequisite(s): Bachelor Degree w/teacher certification  
CEU’s: 32 Contact Hours, 3.0 CEU’s
CE Email: continuingeducation@tamiu.edu  
CE Telephone: (956) 326-3068
Supplies Provided: College Board Bundle and Instructor Printed Material

Learning Outcomes:
- Examine how comprehension strategies affect learning
- Learn how to build students' reading comprehension through the use of specific, research-based strategies
- Examine the benefits of applying comprehension strategies in the classroom
- Expand their knowledge of how to build students' scientific reasoning skills through research-based instruction
- Vertically align science curriculum
- Create an Action Plan for launching or strengthening a Vertical Team
- Identify the basic characteristics of an inquiry-based lab and analyze how they are different from a traditional lab
- Modify traditional labs to fit within an inquiry-based science curriculum
- Foster inquiry and reasoning using research-based instructional strategies
- Learn how to align curriculum to the unifying concepts found in the Science College Board Standards for College Success
- Examine how energy topics learned in one science course can provide essential background knowledge in another course
- Learn activities that will allow teachers to integrate the energy systems theme in their classroom

Description:
This hands-on 4 day workshop is designed for anyone that wishes to find new ways to increase student interest in science. As common core and next generation science standards evolve teachers will need to find new ways to involve students actively in daily classroom learning activities. Through numerous individual and group activities the participants will learn techniques, strategies and new ideas on how to motivate students while increasing rigor. The premise of the workshop is based upon the College Board goal of preparing ALL science students for AP, IB or college. This workshop will provide many "take-aways" of ideas, resources and research proven mini-labs that work.