

**Alliance For Physics Excellence (APEX)  
Spring Weekend Workshop – Cohort 2  
Physics Teacher Institute (PTI) Activity Schedule  
Alabama A & M University**

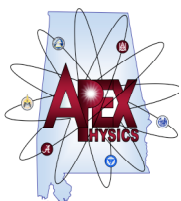


April 8 – 9, 2015

Day 1 – Friday, April 10, 2015

8:00 - 8:15 AM	<input type="checkbox"/> Welcome/Greetings/Coffee <input type="checkbox"/> Announcements	Mohan Aggarwal AA&MU and APEX Leadership Team	<b>Room 129 V. M. Chambers Building</b>
8:15 - 10:15 AM	<input type="checkbox"/> Assessment and also the APEX Learning Community Web Site	Dennis Sunal & Marilyn Stephens, University of Alabama (2 hours)	
10:15 - 11:00 AM	<input type="checkbox"/> Activity #1: Volume Units for Regular Solids and Liquids	Jane & Jim Nelson AAPT/PTRA (3/4 hour)	
11:00 AM - Noon.	<input type="checkbox"/> Activity #3: Mass and Volume of Aluminum	Jane & Jim Nelson AAPT/PTRA (1 hour)	
Noon - 1:00 PM	<b>In House Working Lunch: Start Friday Night Assignment: Diagnoser Set on Density Concepts (1/2/hour)</b>		
1:00 - 1:30 PM	<input type="checkbox"/> Activity #6: Why do cans float or sink?	Jane & Jim Nelson AAPT/PTRA (1/2 hour)	<b>Room 129 V. M. Chambers Building</b>
1:30 - 4:00 PM	<input type="checkbox"/> Activities for Building a Conceptual Model for the Nature of Fluids	Jim Minstrell, Facet Innovations (2 1/2 hours)	
4:00 - 4:30 PM	<input type="checkbox"/> Activity #13: Bernoulli's Equation	Jane & Jim Nelson AAPT/PTRA (1/2 hour)	
4:30 - 5:30 PM	<input type="checkbox"/> Activity #8: Buoyancy Can-Can	Jane & Jim Nelson AAPT/PTRA (1 hour)	
5:30 - 6:30 PM	<input type="checkbox"/> Activity #9: Bags and Buoyancy (Collect Data)	Jane & Jim Nelson AAPT/PTRA (1 hour)	
6:30 PM	<b>Dinner (On Your Own) Complete Diagnoser Assignment</b>		

- **Day 1 (Total = 9 3/4 hours)**
- **Action Research, et cetera = 2 hours**
- **Pedagogy = 3 hours**
- **AAPT/PTRA = 4 3/4 hours**
- **Technology = none**



Alliance For Physics Excellence (APEX)  
 Spring Weekend Workshop – Cohort 2  
 Physics Teacher Institute (PTI) Activity Schedule  
 Alabama A & M University



April 8 – 9, 2015

Day 2 – Saturday, April 11, 2015

8:00 - 8:45 AM	<input type="checkbox"/> Activity #9: Bags and Buoyancy (Data Analysis)	Jane & Jim Nelson AAPT/PTRA (3/4 hour)	Room 129 V. M. Chambers Building
8:45 - 9:15 AM	<input type="checkbox"/> Activity #7: Buoyancy Simulation (Introduction)	Jane & Jim Nelson AAPT/PTRA (1/2 hour)	
9:15 - 10:45 AM	<input type="checkbox"/> Activity #13: Boyle's Law	Jane & Jim Nelson AAPT/PTRA (1 1/4 hour)	
10:45 AM - Noon	<input type="checkbox"/> Activity #14: Boyle's Law Simulation	Jane & Jim Nelson AAPT/PTRA (1 1/4 hour)	
	<input type="checkbox"/> Mention AP Problems from 2011, 2012, 2013 & 2014	Jane & Jim Nelson AAPT/PTRA (1 1/4 hour)	
Noon - 1:00 PM	In House Working Lunch: Diagnoser Set Explaining Effects of Pressure Change on a Gas and/or The Cartesian Diver (1/2)		
1:00 - 2:00 PM	<input type="checkbox"/> Diagnoser: Interpreting QSet Data and Implications for Instructional Activities.	Jim Minstrell, Facet Innovations (1 hour)	Room 129 V. M. Chambers Building

- **Day 1 (Total = 9 3/4 hours)**
- Action Research = 2 hours
- Pedagogy = 3 hours
- AAPT/PTRA = 4 3/4 hours
- Technology = none
  
- **Overall Totals = 15 hours**
- Action Research = 2 hours
- Pedagogy = 4 1/2 hours
- AAPT/PTRA = 8 1/2 hours
- Technology = none

- **Day 2 (Total = 5 1/4 hours)**
- Action Research = none
- Pedagogy = 1 1/2 hour
- AAPT/PTRA = 3 3/4 hours
- Technology = none