Alliance For Physics Excellence (APEX)
Fall Weekend Workshop – Cohort 1
Physics Teacher Institute (PTI) Activity Schedule
Alabama A & M University & The University of Alabama in Huntsville

September 18-19, 2015

Day 1 - September 18, 2015

Time	Topic	Leader & Resource
8:00 - 8:15 AM	❑ Welcome/Greetings/Announcements	Mohan Aggarwal AAMU and APEX Leadership
8:15 - 10:15 AM	❑ **Electrical Engineering Activity #1:** *Diode as a Circuit Element* (2 hours)	Jim & Jane Nelson AAPT/PTRA Electrical Engineering Supplement, Pages 9 & 21
10:15 - 11:45 AM	❑ **Electrical Engineering Activity #2:** *Frequency of AC Current* (1 hour & 30 minutes)	Jim & Jane Nelson AAPT/PTRA Electrical Engineering Supplement, Page 25
11:45 - 1:00 PM	Buffet lunch at the Bevel Center at UAH (75 minutes)	
1:00 – 3:15 PM	❑ **Electrical Engineering Activity #3:** *Transistors as a Circuit Element* (2 hours & 15 minutes)	Jim & Jane Nelson AAPT/PTRA Electrical Engineering Supplement, Page 31
3:15 - 5:30 PM	❑ **Electrical Engineering Activity #4:** *555 Timer as an Integrated Circuit* (2 hours & 15 minutes)	Jim & Jane Nelson AAPT/PTRA Electrical Engineering Supplement, Page 47
5:30 - 6:00 PM	❑ Review of Waves and Optics Assessment	Jim & Jane Nelson AAPT/PTRA

8:36 AM, 9/18/15

Day 2 - September 19, 2015		
8:00 - 9:30 AM	❑ Assessing and Evaluating Physics Teaching -- 1 hour and 30 minutes - Dennis Sunal, Tara Ray and JW Harrell	Dennis Sunal, UA-Tuscaloosa
9:30 - 10:15 AM	❑ Assessing Inquiry Teaching and Student Learning – 45 minutes – Marilyn Stephens and Dennis Sunal	Dennis Sunal, UA-Tuscaloosa
10:15 - 11:45 AM	❑ APEX Project-Wide Diagnoser Data Collection (90 min)	Jim Minstrell, Facet Innovations
11:45 – 12:45 PM	Buffet lunch at the Bevel Center at UAH	
12:45 - 1:55 PM	❑ **Electrical Engineering Activity #6:** *Power Transfer* (70 min)	Dan O'Halloran & Tommi Holsenbeck AAPT/PTRA Electrical Engineering Supplement, Page 67
1:55 - 2:00 PM	❑ Workshop Evaluation/Closing Remarks	Mohan Aggarwal AAMU & APEX Leadership

Please ask participants to bring their copy of the *Student Version of the CASTLE* book, and the AAPT/PTRA *Teaching about DC Circuits* Resource.

8:36 AM, 9/18/15