

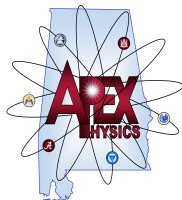
Alliance For Physics Excellence (APEX)
Spring Weekend Workshop – Cohort 2
Physics Teacher Institute (PTI) Activity Schedule
Alabama A & M University



May 12 - 13, 2017

Day 1 - May 12, 2017

Time	Topic	Leader & Resource
8:00 - 8:05 AM	<input type="checkbox"/> Welcome/Greetings/Announcements	Mohan Aggarwal AAMU and APEX Leadership
8:05 - 10:30 AM	<input type="checkbox"/> Digital Electronics Activity #1 & #2: Diode as a Circuit Element (2 hours & 25 minutes)	Jim & Jane Nelson AAPT/PTRA Digital Electronics Supplement, Pages 9 & 19
10:30 - Noon	<input type="checkbox"/> Patterns in Student Thinking to Responsive Actions (1 hour 30 minutes)	Jim Minstrell Facet Innovations
Noon - 1:00 PM	Working Lunch	
1:00 - 2:30 PM	<input type="checkbox"/> Digital Electronics Activity #4: Frequency of AC Current (1 hour & 30 minutes)	Jim & Jane Nelson AAPT/PTRA Digital Electronics Supplement, Page 49
2:30 - 5:00 PM	<input type="checkbox"/> Digital Electronics Activity #5 & #6: Transistors as a Circuit Element (2 hours & 30 minutes)	Jim & Jane Nelson AAPT/PTRA Digital Electronics Supplement, Page 55 & 65
5:00 - 6:30 PM	<input type="checkbox"/> Digital Electronics Activity #9: Engineering Design Task – Night Vision Flashlight (1 hour & 30 minutes)	Jim Slavicek Digital Electronics Supplement, Page 93



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Day 2 - May 13, 2017

8:00 - 11:00 AM	<input type="checkbox"/> Digital Electronics Activity #7: 555 Timer as an Integrated Circuit Element (3 hours)	Jim & Jane Nelson AAPT/PTRA Digital Electronics Supplement, Page 77
11:00 – 12:30 PM	<input type="checkbox"/> Teaching APEX Physics in High School Classrooms. What have we learned? (1 hour & 30 minutes)	Dennis Sunal, UA-Tuscaloosa
12:30 - 1:30 PM	Working Lunch: TPACK wrap-up discussion, Marius Schamschula AA&MU (30 minutes)	
1:30 - 2:00 PM	<input type="checkbox"/> What Next? (30 minutes)	Mohan Aggarwal AAMU and APEX Leadership
2:00 - 2:15 PM	<input type="checkbox"/> Horizon Survey and Wrap-up	Mohan Aggarwal AA&MU, HRI and APEX Leadership (15 minutes)

- **Day 1 (Total = 9 1/2 hours)**
- **Action Research, et cetera = 0 hours**
- **Pedagogy = 1 1/2 hours**
- **AAPT/PTRA = 6 1/2 hours**
- **Engineering Design = 1 1/2 hours**
- **Technology = 0 hours**
- **Day 2 (Total = 5 1/2 hours)**
- **Action Research, et cetera = 1 1/2 hours**
- **AAPT/PTRA = 3 hours**
- **Technology = 1/2 hour**
- **What Next? = 1/2 hour**

- **Overall Totals = 15 hours**
- **Action Research, et cetera = 1 1/2 hours**
- **Pedagogy = 2 hours**
- **AAPT/PTRA = 9 1/2 hours**
- **Engineering Design = 1 1/2 hours**
- **Technology = 1/2 hours**
- **What Next? = 1/2 hour**