

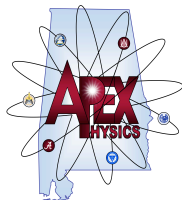
Alliance for Physics Excellence (APEX)  
 Spring Weekend Workshop – Cohort 3  
 Physics Teacher Institute (PTI) Activity Schedule  
 Alabama A & M University



May 11 - 12, 2018

Day 1 - May 11, 2018

Time	Topic	Leader & Resource
8:00 - 8:05 AM	<input type="checkbox"/> Welcome/Greetings/Announcements	Mohan Aggarwal AAMU and APEX Leadership
8:05 - 11:00 AM	<input type="checkbox"/> <b>Digital Electronics Activity #1 &amp; #2: Diode as a Circuit Element.</b> Discuss pp 35-40. Do page 41 (3 hours)	Jim & Jane Nelson AAPT/PTRA Digital Electronics Supplement, Pages 9 & 19
11:00 - Noon	<input checked="" type="checkbox"/> TBA (1 hour)	Jim Minstrell Facet Innovations
Noon - 1:00 PM	In-House Lunch	
1:00 - 2:30 PM	<input type="checkbox"/> <b>Digital Electronics Activity #4: Frequency of AC Current</b> (1 hour & 30 minutes)	Jim & Jane Nelson AAPT/PTRA Digital Electronics Supplement, Page 49
2:30 - 5:30 PM	<input type="checkbox"/> <b>Digital Electronics Activity #5 &amp; #6: Transistors as a Circuit Element</b> (3 hours)	Jim & Jane Nelson AAPT/PTRA Digital Electronics Supplement, Pages 55 & 67
5:30 - 6:30 PM	<input type="checkbox"/> <b>Digital Electronics Activity #7: Build a 555-Timer as an Introduction to the Design Project</b> (1 hour)	Jim & Jane Nelson AAPT/PTRA Digital Electronics Supplement, Page 79



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Day 2 - May 12, 2018

8:00 - 11:00 AM	<input type="checkbox"/> <b>Digital Electronics Activity #7: 555-Timer as an Integrated Circuit Element and Completion of Engineering Design Project (3 hours)</b>	Jim & Jane Nelson AAPT/PTRA Digital Electronics Supplement, Page 79
11:00 – Noon	<input type="checkbox"/> <b>Continuing Improvement and Dissemination of Your Physics Classroom Expertise (1 hour)</b>	Dennis Sunal, UA-Tuscaloosa
Noon- 1:00 PM	<b>Working Lunch: Video about Edison etc. (30 minutes)</b>	
1:00 - 2:00 PM	<input type="checkbox"/> <b>What Next? (1 hour)</b>	Mohan Aggarwal AAMU and APEX Leadership
2:00 - 2:15 PM	<input type="checkbox"/> <b>Horizon Survey and Wrap-up</b>	Mohan Aggarwal AA&MU, HRI and APEX Leadership (15 minutes)

- **Day 1 (Total = 9.5 hours)**
- **Action Research, et cetera = 0 hours**
- **Pedagogy = 1 hours**
- **AAPT/PTRA = 7.5 hours**
- **Engineering Design = 1 hour**
- **Technology = 0 hours**
- **Day 2 (Total = 5 hours)**
- **Action Research, et cetera = 1 hour**
- **Pedagogy = 0 hours**
- **AAPT/PTRA/ Engineering Design = 3 hours**
- **What Next? = 1 hour**
- **Technology = 0 hours**

- **Overall Totals = 14 ½ hours**
- **Action Research, et cetera = 1 hour**
- **Pedagogy = 1 hour**
- **AAPT/PTRA = 10.5 hours**
- **Engineering Design = 1 hours**
- **Technology = 0 hours**
- **What Next? = 1 hour**