

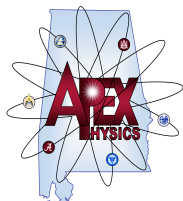
**Alliance For Physics Excellence (APEX)**  
**Spring Weekend Workshop – Cohort 2**  
**Physics Teacher Institute (PTI) Capacitor Activities Schedule**  
**Alabama A & M University & The University of Alabama in Huntsville**



**March 11 – 12, 2016**

**Day 1 – Friday, March 11, 2016**

<b>8:00 AM - 8:15 AM</b>	<input type="checkbox"/> <b>Welcome/Greetings/Coffee</b> <input type="checkbox"/> <b>Announcements</b>	<b>Mohan Aggarwal AA&amp;MU and APEX Leadership Team (1/4/ hour)( 1/4 hour)</b>
<b>8:15 – 8:45</b>	<input checked="" type="checkbox"/> <b>Elicitation Questions for Capacitor Supplement – Page 93</b>	<b>(1/2 hour)</b>
<b>8:45 – 9:45</b>	<input type="checkbox"/> <b>Capacitor Activity #1: Film Can Capacitor – Page 7</b>	<b>Jim &amp; Jane Nelson AAPT/PTRA (1 hour)</b>
<b>9:45 – 10:45 AM</b>	<input type="checkbox"/> <b>Capacitor Activity #2: What is a Capacitor? – Page 11</b>	<b>Jim &amp; Jane Nelson AAPT/PTRA (1 hour)</b>
<b>10:45 – 11:45 AM</b>	<input type="checkbox"/> <b>Capacitor Activity #3: Circuit with Conducting “Island” – Page 19</b>	<b>Jim &amp; Jane Nelson AAPT/PTRA (1 hour)</b>
<b>11:45 AM – 1:00 PM</b>	<i><b>Buffet lunch at the Bevel Center at UAH (75 minutes)</b></i>	
<b>1:00 – 2:30 PM</b>	<input type="checkbox"/> <b>Capacitor Activity #4: Capacitance Versus Plate Sepatation – Page 27</b>	<b>Jim &amp; Jane Nelson AAPT/PTRA (1 1/2 hours)</b>
<b>2:30 – 4:30 PM</b>	<input type="checkbox"/> <b>Capacitor Activity #6: How A Capacitor’s Capacity Is Determined? – Page 46</b>	<b>Jim &amp; Jane Nelson AAPT/PTRA (2 hours)</b>
<b>4:30 – 6:30 PM</b>	<input type="checkbox"/> <b>Capacitor Activity #7: Capacitor Equations – Page 59</b>	<b>Jim &amp; Jane Nelson AAPT/PTRA (2 hours)</b>
<b>6:30 PM</b>	<b>Dinner (On Your Own)</b>	



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**Day 2 – Saturday, March 12, 2016**

8:00 – 9:30 AM	<input type="checkbox"/> <b>Making successful change, monitoring teaching strategies, and the APEX Professional Learning Community</b>	<b>Dennis Sunal, Tara Ray, &amp; Justina Ogo</b> <b>University of Alabama (1 1/2 hours)</b>
9:30 – 11:00 AM	<input type="checkbox"/> <b>Capacitor Activity #8: Energy Stored in a Capacitor – Page 73</b>	<b>Tommi Holsenbeck &amp; Bill Ossenfort AAPT/PTRA (1 1/2 hours )</b>
11:10 – Noon	<input type="checkbox"/> <b>Start Capacitor Activity #9: Capacitor Discharge – Page 81</b>	<b>Tommi Holsenbeck &amp; Bill Ossenfort AAPT/PTRA (1 hour)</b>
Noon – 1:00 PM	<b>In-House Working Lunch: (1/2 hour) &amp; Mechanical Universe Video #30: Potential and Capacitance: (1/2 hour)</b>	
1:00 – 1:45 PM	<input type="checkbox"/> <b>Finish Capacitor Activity #9: Capacitor Discharge</b>	<b>Tommi Holsenbeck &amp; Bill Ossenfort AAPT/PTRA (3/4 hour)</b>
1:45 – 2:00 PM	<input type="checkbox"/> <b>Horizon Survey and Wrap-up</b>	<b>Mohan Aggarwal AA&amp;MU, HRI and APEX Leadership (1/4 hour)</b>

- **Day 1 (Total = 9 hours)**
- **Action Research, et cetera = 0 hours**
- **Pedagogy = 1/2 hour**
- **AAPT/PTRA = 8 1/2 hours**
- **Technology = 0 hours**
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- **Overall Totals = 14 hours**
- **Action Research, et cetera = 1 1/2 hours**
- **Pedagogy = 1/2 hour**
- **AAPT/PTRA = 12 hours**
- **Technology = 0 hours**

- **Day 2 (Total = 5 hours)**
- **Action Research, et cetera = 1 1/2 hours**
- **Pedagogy = 0 hours**
- **AAPT/PTRA = 3 1/2 hours**
- **Technology = 0 hours**