

Alliance For Physics Excellence (APEX)  
 Spring Weekend Follow-Up Workshop – Cohort 2  
 Physics Teacher Institute (PTI) Physical Optics Activities Schedule  
 Alabama A & M University & The University of Alabama in Huntsville



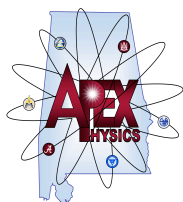
March 3 – 4, 2017

Day 1 – Friday, March 3, 2017

8:00 – 8:15 AM	<input type="checkbox"/> Welcome/Greetings/Coffee <input type="checkbox"/> Announcements	Mohan Aggarwal AA&MU and APEX Leadership Team
8:15 – 9:15 AM	<input type="checkbox"/> Physical Optics #1: <i>SINGLE SLIT</i> – Page 9	Jane & Jim Nelson AAPT/PTRA (1 hour)
9:15 – 10:15 AM	<input type="checkbox"/> Physical Optics #2: <i>DOUBLE SLITS</i> – Page 17	Jane & Jim Nelson AAPT/PTRA (1 hour)
10:15 – 11:15 AM	<input type="checkbox"/> Physical Optics #3: <i>MULTIPLE SLITS</i> – Page 25	Jane & Jim Nelson AAPT/PTRA (1 hour)
11:15 – Noon	<input type="checkbox"/> Physical Optics #5: <i>WAVELENGTH OF LIGHT</i> – Page 43	Jane & Jim Nelson AAPT/PTRA (3/4 hour)
Noon – 1:00 PM	<b>In House Working Lunch: (60 minutes)</b> <i>Polorized Light and Poloriod Filters</i>	
1:00 – 2:30 PM	<input type="checkbox"/> Physical Optics #6: <i>CD GROVE SPACING</i> – Page 53	Jane & Jim Nelson AAPT/PTRA (1 1/2 hours)
2:30 – 2:45 PM	<input type="checkbox"/> Physical Optics #7: <i>HAIR'S DIAMETER (DISCUSSION ONLY)</i> – Page 65	Jane & Jim Nelson AAPT/PTRA (1/4 hour)
2:45 – 4:00 PM	<input type="checkbox"/> Physical Optics #8: <i>THE PHOTOELECTRIC EFFECT ... A SIMULATION</i> – Page 73	Jane & Jim Nelson AAPT/PTRA (1 1/4 hours)
4:00 – 5:15 PM	<input type="checkbox"/> Physical Optics #9: <i>LED AND PLANCK'S CONSTANT</i> – Page 87	Jane & Jim Nelson AAPT/PTRA (1 1/4 hour)
5:15 – 6:30 PM	<input type="checkbox"/> Physical Optics ##13: <i>ATOMIC SPECTRA OF UNKNOWN</i> – Page 127	Jane & Jim Nelson AAPT/PTRA (1 1/4 hour)
6:30 PM	<b>Dinner (On Your Own)</b>	

- Day 1 (Total = 9 1/4 hours)
- AAPT/PTRA = 9 1/4 hours
- Action Research, et cetera = 0 hours

- Pedagogy = 0 hour
- Technology = 0 hour



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**Alabama A & M University**



March 3 – 4, 2017

**Day 2 – Saturday, March 4, 2017**

<b>8:00 to 9:00 AM</b>	<input type="checkbox"/> <b>Students' Thinking and Responsive Teaching, Part I</b>	<b>Jim Minstrell</b> <b>Facet Innovations (1 hour)</b>
<b>9:00 to 10:00 AM</b>	<input type="checkbox"/> <b>Students' Thinking and Responsive Teaching, Part II</b>	<b>Jim Minstrell</b> <b>Facet Innovations (1 hour)</b>
<b>10:00 to 11:00 AM</b>	<input type="checkbox"/> <b>Students' Thinking and Responsive Teaching, Part III</b>	<b>Jim Minstrell</b> <b>Facet Innovations (1 hour)</b>
<b>11:00 – Noon</b>	<input type="checkbox"/> <b>Action Research Results for 2016 - 2017</b> <input type="checkbox"/> <b>Where do we go from here?</b>	<b>Dennis Sunal</b> <b>APEX Project CO-PI and UA-APEX Director (1 hour)</b>
<b>Noon - 1:00 PM</b>	<b>In House Working Lunch: (60 minutes)</b> <b>Where do we go from here?</b>	
<b>1:00 – 2:00 PM</b>	<input type="checkbox"/> <b>Where do we go from here? (Continued)</b> <input type="checkbox"/> <b>Assessing Inquiry Learning.</b>	<b>Dennis Sunal</b> <b>APEX Project CO-PI and UA-APEX Director (1 hour)</b>
<b>2:00 – 2:15 PM</b>	<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 1/4 hours)**
- **AAPT/PTRA = 9 1/4 hours**
- **Action Research, et cetera. = 0 hours**
- **Pedagogy = 0 hour**
- **Technology = 0 hour**

- **Overall Totals = 14 1/4 hours**
- **AAPT/PTRA = 9 1/4 hours**
- **Action Research, et cetera = 2 hours**
- **Pedagogy = 3 hour**
- **Technology = 0 hour**

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