

Alliance For Physics Excellence (APEX)
Winter Weekend Workshop – Cohort 3
Physics Teacher Institute (PTI) Activity Schedule
Alabama A & M University & The University of Alabama in Huntsville

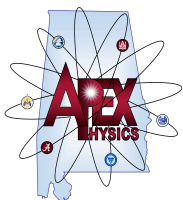


January 15 – 16, 2016

Day 1 – Friday, January 15, 2016

8:00 AM - 8:15 AM	<input type="checkbox"/> Welcome/Greetings/Coffee <input type="checkbox"/> Announcements	Mohan Aggarwal AA&MU and APEX Leadership
8:15 AM - 9:15 AM	<input type="checkbox"/> Eliciting Initial Ideas at the beginning of a unit <input type="checkbox"/> Getting students thinking about phenomena	Jim Minstrell Facet Innovations (1 hour)
9:15 AM - 10:00 AM	<input type="checkbox"/> PTRA Thermal Physics Activity #3: Temp vs. Heat (Need to start heating bolts about 8:00 AM)	Tommi Holsenbeck, & Dan O'Halloran AAPT/PTRA (3/4 hour)
10:00 AM - Noon.	<input type="checkbox"/> PTRA Thermal Physics Activity #7: Mixing Parts 1 to 7	Tommi Holsenbeck, & Dan O'Halloran AAPT/PTRA (2 hours)
Noon - 1:15 PM	Buffet lunch at the Bevel Center at UAH (75 minutes)	
1:15 PM - 2:15 PM	<input type="checkbox"/> Topic TBA	Marius Schamschula AA&MU (1 hour)
2:15 PM - 3:45 PM	<input type="checkbox"/> PTRA Thermal Physics Activity #7: Mixing Parts 8 to 9 (Need to prepare ice measures the previous day) <input type="checkbox"/> PTRA Thermal Physics Activity #7: Mixing Parts 10 & 11	Tommi Holsenbeck, & Dan O'Halloran AAPT/PTRA (1 1/2 hours)
3:45 PM - 5:15 PM	<input type="checkbox"/> PTRA Thermal Physics Activity #8: Specific Heat	Tommi Holsenbeck, & Dan O'Halloran AAPT/PTRA (1 1/2 hours)
5:15 PM - 6:15 PM	<input type="checkbox"/> Formative Assessment Along the Way <input type="checkbox"/> How are we doing? Do we need adjustments?	Jim Minstrell, Facet Innovations (1 hour)
6:15 PM	Dinner (On Your Own)	

- Day 1 (Total = 9 1/4 hours)
- Pedagogy = 2 hour
- AAPT/PTRA = 5 3/4 hours
- Technology = 1 hour



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Day 2 – Saturday, January 16, 2016

8:00 AM - 9:30 AM	<input type="checkbox"/> APEX Professional Learning Community: Progress for Partners in Reform (Cohorts 1 and 3 together)	Dennis Sunal (1 1/2 hours) University of Alabama at Tuscaloosa
9:30 PM - 10:45 PM	<input type="checkbox"/> PTRA Thermal Physics Activity #10: Heat of Fusion	Tommi Holsenbeck, & Dan O'Halloran AAPT/PTRA (1 1/4 hours)
10:45 AM - Noon	<input type="checkbox"/> Formative Assessment and Interpreting Using the Diagnoser Teacher Report: Deciding next activities and planning to monitor retention for the whole course.	Jim Minstrell, Facet Innovations (1 1/4 hour)
Noon - 1:00 PM	In House Working Lunch: Minds of Our Own Video, Jim Minstrell (1/2 hour) Importance of identifying and addressing student ideas/thinking	
1:00 - 2:00 PM	<input type="checkbox"/> PTRA Thermal Physics Activity #13: Carnot Cycle	Tommi Holsenbeck, Dan O'Halloran AAPT/PTRA (1 hour)

- **Day 1 (Total = 9 1/4 hours)**
- **Action Research = 0 hours**
- **Pedagogy = 2 hours**
- **AAPT/PTRA = 5 3/4 hours**
- **Technology = 1 1/2 hours**

- **Overall Totals = 15 1/4 hours**
- **Action Research = 1.5 hours**
- **Pedagogy = 3 3/4 hours**
- **AAPT/PTRA = 8 hours**
- **Technology = 1 1/2 hours**

- **Day 2 (Total = 5 1/2 hours)**
- **Action Research = 1 1/2 hours**
- **Pedagogy = 1 3/4 hours**
- **AAPT/PTRA = 2 1/4 hours**
- **Technology = 0 hour**