

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



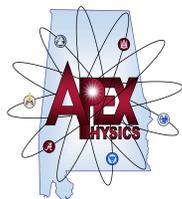
September 9-10, 2016

Day 1 – Friday, September 9, 2016

8:00 to 8:15 AM	<input type="checkbox"/> Welcome/Greetings/Announcements	Mohan Aggarwal, AA&M Univ and APEX Leadership
8:15 to 9:30 AM	<input type="checkbox"/> Activity #1: Scribble Toy – Topic → Kinematics & Engineering	Jim & Jane Nelson, AAPT/PTRA (1 1/4 hour)
9:30 to 11:30 AM	<input checked="" type="checkbox"/> Activity #2: Yellow Light Scientific & Social Design Problem – Topic → Kinematics & Engineering	Jim & Jane Nelson, AAPT/PTRA (2 hours)
11:30 to Noon	<input type="checkbox"/> Start Activity #5: Analysis of a Centripetal Force Video Cooling – Topic → Uniform Circular Motion & Engineering	Jim & Jane Nelson, AAPT/PTRA (1/2 hour)
Noon to 1:00 PM	<input type="checkbox"/> In House Working Lunch:	
1:00 to 2:30 PM	<input type="checkbox"/> Finish Activity #5: Analysis of a Centripetal Force Video	Jim & Jane Nelson, AAPT/PTRA (1 1/2 hours)
2:30 to 4:30 PM	<input checked="" type="checkbox"/> Activity #6: Newton’s Law of Cooling – Topic → Thermal Physics & Engineering	Jim & Jane Nelson, AAPT/PTRA (2 hours)
4:30 to 6:30 PM	<input type="checkbox"/> Activity #7: Power Transfer – Topic → Energy & Engineering	Jim & Jane Nelson, AAPT/PTRA (2 hours)

- **Day 1 (Total = 9 1/4 hours)**
- **Action Research = 0 hours**
- **Pedagogy & Planning = 0 hour**

- **PTRA & Engineering Content = 9 1/4 hours**
- **Technology = 0 hour**



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



September 9-10, 2016

Day 2 – Saturday, September 10, 2016

8:00 to 10:00 AM	<input type="checkbox"/> Activity #8: Hot Stuff Circuit Design – Topic → Electrical Circuits & Engineering	Jim Slavicek Facet Innovations (2 hours)
10:00 to 11:00	<input type="checkbox"/> Reading, listening and Responding to student thinking, Part I	Jim Minstrell Facet Innovations (1 hour)
11:00 to Noon	<input type="checkbox"/> Reading, listening and Responding to student thinking, Part II	Jim Minstrell Facet Innovations (1 hour)
Noon to 1:00 PM	<input type="checkbox"/> In house Working Lunch: Activity #6: (Hallway Switch)	
1:00 to 2:00 PM	<input type="checkbox"/> Reading, listening and Responding to student thinking, Part III	Jim Minstrell Facet Innovations (1 hour)
2:00 -2:15 PM	<input type="checkbox"/> Workshop Evaluation (HRI Survey) /Closing Remarks	Mohan Aggarwal, AA&M Univ and APEX Leadership

- Day 1 (Total = 9 1/4 hours)
- Action Research = 0 hours
- Pedagogy & Planning = 0 hour
- PTRA & Engineering Content = 9 1/4 hours
- Technology = 0 hour
- Total for week-end = 14 1/4 hours
- Action Research = 0 hours
- Pedagogy & Planning = 3 hours

- Day 2 (Total = 5 hours)
- Action Research = 0 hours
- Pedagogy & Planning = 3 hours
- PTRA & Engineering Content = 2 hours
- Technology = 0 hour
- PTRA Content = 11 1/4 hours
- Technology = 0 hours