

Applied Physics Workshop

Daily Schedule

Monday: Resonance, Day 1

8:00	Welcome and introductions
8:15	Workshop Pre-test
9:15	Session 1: Nuclear Magnetic Resonance, Part I (Dr. Masters)
12:15	Lunch
12:30	Careers in Physics: Brad Conrad, AIP
1:00	Session 2: Atomic Force Microscopy, Part I (Dr. Johnson)
4:30	Daily Roundup
4:45	End of Day 1
6:15	Meet for Tincaps game
7:05	Tincaps 1 st pitch

Tuesday: Resonance, Day 2

8:00	Breakfast
8:20	Morning announcements
8:30	Session 3: Nuclear Magnetic Resonance, Part II (Dr. Masters)
12:15	Lunch
12:30	Careers in Physics: Physics videos
1:00	Session 4: Atomic Force Microscopy, Part II (Dr. Johnson)
4:30	Daily Roundup
4:45	End of Day 2

Wednesday: Light as Wave

8:00	Breakfast
8:20	Morning announcements
8:30	Session 5: Spectroscopy (Dr. Grove)
12:00	Lunch
12:30	Careers in Physics: Kim Slack, Johns Hopkins University Applied Physics Laboratory
1:00	Session 6: Interferometry (Dr. Wang)
4:30	Daily Roundup
4:45	End of Day 3

Thursday: Acoustics & Light as Wave

8:00	Breakfast
8:20	Morning announcements
8:30	<i>Session 7: Interferometry</i>
12:00	Group Photo
12:15	Lunch
12:30	Careers in Physics: Bob Kniskern, founder, CEO and owner, Adaptive Microware
1:00	<i>Session 8: Acoustic Levitation</i> (Dr. Millspaw)
4:30	Daily Roundup
4:45	End of Day 4

Friday: Applications to teaching

8:00	Breakfast
8:20	Morning announcements
8:30	Workshop Post-test
9:15	<i>Session 9: Long-term experimentation</i> Science and Engineering Fairs (Dr. Perkins Coppola)
9:45	PhysFESTT planning and funding opportunities (Dr. Perkins Coppola)
11:00	Modeling Traffic Intersections
12:00	Lunch
12:30	Careers in Physics: STEP UP 4 Women (Dr. Perkins Coppola) https://www.aps.org/programs/education/su4w/index.cfm
1:00	<i>Session 10: School-based planning</i>
	Teachers meet together to lesson plan (Dr. Perkins Coppola)
	Students meet to design water rockets (Justin Yoder & Skyler Mills)
3:00	Group share: PhysFESTT planning
3:30	Teacher lesson sharing
4:00	Final paperwork for teacher stipends / Post Workshop Survey
4:15	End of Day 5