

NIST Summer Institute for Middle School Teachers 2011

date/time location	Monday, July 18 Lecture Room A	Tuesday, July 19 Lecture Room A	Wednesday, July 20 Lecture Room A	Thursday, July 21 Lecture Room A	Friday, July 22 Lecture Room A
9-10	Orientation Intro to NIST Susan Heller-Zeisler 9-9:45	Nanomeasurements Lecture and Activities Tom LeBrun and Brad Damazo 9-11		Walk together over to Bldg 226 Cement Activity Clarissa Ferraris 226/B165 9:15-10:15	Building Science: Designing Buildings to Resist Earthquakes Dat Duthinh 9-12N
10-11	Workshop Overview Mary Satterfield 9:45-10:45		LabQuest Day Nus Hisim	back to 101/LRA	
11-12	NIST in Your Community/ Museum Tour Jennifer Huergo/ Keith Martin 11-12 alternating	Nanomagnetic Forces Bob McMichael 11 - 12 to NIST Store 11:55	group photo near Newton's Apple Tree 11:45	pH of Water Ken Pratt 10:30-12	
lunch	lunch	lunch	Elevator Pitch Contest	Tech Transfer Lunch	Cybersecurity Education Lunch
1-2	Walk together downstairs Mechanical Metrology Metrics Estimation Game Elizabeth Gentry 101/B11, 1:05-2:15	Meet in Lecture Room A and walk over together to 227/A202 Clinical Diagnostics Lab Tours Ross Haynes and Paul DeRose 1:15-2	Measurement of Temperature Ryan Fitzgerald 1-1:30 LabQuest Day	US Patent and Trademark Office Educational Activities Joyce Ward Tammy Pham 1-2:15	Scientist Visits One-on-one 1-2
2-3					Safety in the middle school classroom Judy Reilly 2-3
3-4	Weights and Measures Overview and Activities Georgia Harris and Elizabeth Gentry 101/B11, 2:15-3:45	Spectroscopy Lecture and Activity Steve Choquette 2-4	Experiments with the LabQuest Pamela Pennington and Kristen Weaver 3-4	Ice Cream Social Div 639 227/A202 2:30-3:30	Aerodynamics of Flight Chandler Becker 3-4

Mary's cell phone: 301/326-9333

Monday, July 25 NCNR: see map	Tuesday, July 26 Lecture Room A	Wednesday, July 27 Lecture Room A	Thursday, July 28 Lecture Room A	Friday, July 29 Lecture Room A
meet at the NCNR - see map The NIST Center for Neutron Research (NCNR) Production of Neutrons Lecture Crystal Growth Lab Tour Part I NCNR, 9-12	Sound Lecture, Activity, and Construction John Jendzurski 9-12	Walk together over to Bldg 221 Thermometry Lecture Greg Strouse 221/A366 9:15-9:45 Thermometer Calibration Activities Dawn Cross, Wyatt Miller, Mikal Chojnacky 221/A242, 9:45-10:45 Bring LabQuests and Temp Probes	walk over to Bldg 227 Human Identification with DNA Lecture Becky Hill/ Erica Butts 9:15-10AM Electrophoresis Demos Becky Hill/ Jenny McDaniel 10:10-10:50 walk back to 101/LRA SURF Student Panel Discussion 11-12	NanoDay Lecture and Activities NP Self-Assembly Au/Ag NP Synthesis Debbie Kaiser Bryce Marquis Julian Taurozzi LRA and Bldgs 223 and 227 9-12
lunch with SURF students at NCNR	Electronic Kg/ Adventures in Sci Prog	lunch	lunch	Group Lunch Out 11:30-1PM
Diffraction Demos	1-1:15 walk over to Bldg 231 or 202 parking lot Tour of Ballistic Testing Facility/ Million Lb Force Machine 1:15-2	NASA: Monitoring Climate Change Lecture Bryan Duncan 1-2 Trouble in the Troposphere: A Lesson on Tropospheric Ozone Leslie Garrison 2-3	Scientist Visits One-on-one 1-2	Wrap-up and Ceremony 1-2
Tour Part II NCNR Staff			Using NIST Activities in the Classroom Carolyn Holcomb 2-3	Westat Evaluation Focus Groups 2-3
Crystal Growing!	How Big is Pi? 2:15 - 4	Improving Climate Change Measurements Tours Steve Maxwell and Jerry Rhoderick Bldgs 221 and 227 3-4PM	National Standards: Where do these lessons and activities fit? 3-4	Reception NIST staff invited Flag Hallway, 3-4
LabQuest Activities NCNR, 1-4				