

Tech Valley Summer Camp 2010

DAILY SCHEDULE

Wednesday, JULY 7, 2010

8:00 am – 3:30 pm

07:45 AM	Staff arrive at Rensselaer Visitor Information Center on campus.
08:00	Campers begin to arrive and Transition to JEC Room 4107
08:30- 9:00	Dr. Partha Dutta, Professor, Electrical, Computer, & Systems Engineering Electrical What Can I Do as an Engineer?
9:00 – 10:00	Circuits & Basic Electrical Measurements with the Mobile Studio IO Board. Adrianna Anderson, Intro. of REU Students assistants and Mobile Studio
10:00	Break
10:15 – 12:00	Cyril Acholo – moderator Introduction of graduates and then morning activities; Light Emitting Diode Circuits Smart Lighting Activities – Color Measurements, Color Mixing, Polarization, Optical Communication, Microscopy, Polarizing lens
12:00 PM	Lunch
12:45	David Ellstein: Intro of afternoon activities; Activity Stations; Centers: David Ellstein - Controlling Lights – light saber Ravi - LED transfer of music - Hearing Light Bozhong - Magnetic Braking / Power generation Torrin - Coin Flipper – Magnetic Forces Adrianna - USB Microscope Cyril - Magnetic Levitation / Force Transfer Some Strange Electromagnetic Devices – ?? (Back Up plan if there is still time available – Beekman’s Motor)
TBD	Afternoon Break - flexible in afternoon
2:15 PM	Understanding what engineers do with Mike Riley, ERC grad student
02:45 PM	Writing Exercise
03:00 PM	CLEAN UP! Class dismissed

