

# Mathematics/Physical Science Educator Cohort (ME-Cohort)

## 2010-2012 Academic Year — Midterm Workshop Daily Schedule (May 16–20 & 23–27, 2011)

### Schedule of Workshop Presenters and Session Themes (LBVSC 202/LBVSC 188/WHTC 116)

	Time	Monday	Tuesday	Wednesday	Thursday	Friday	
Week 1, May 16–20, 2011	9:00–10:25	<u>Welcome &amp; Introduction</u>  Administrative Activities	Dr. Juan R. Lira (9:00–9:30)  Dr. Qingwen Ni Mathematics in Physics	Dr. Eugenio Jaramillo Chemistry, No Need For A Lab!	Mr. Juan J. Arellano, Jr. Mathematics of Community Issues	Mr. Tomás Rodríguez, Jr. Cryptography	
	Break						
	10:35–12:00	Mr. Gerardo Pinzon Trigonometry: the Forgotten Link	Dr. Qingwen Ni Mathematics in Physics	Dr. Eugenio Jaramillo Chemistry, No Need For A Lab!	Mr. Juan J. Arellano, Jr. Mathematics of Community Issues	Mr. Tomás Rodríguez, Jr. Cryptography	
	Lunch Break (plan it yourself)						
	12:50–2:15	Mr. Gerardo Pinzon Trigonometry: the Forgotten Link	Mr. Juan J. Arellano, Jr. Exploring Our Intuition	Prof. Miguel San Miguel Binomial Theorem	Dr. Ramon Alaniz Biology/Physical Science in the Classroom	Dr. Qingwen Ni Mathematics and Physics	
Break							
2:25–3:50	Mr. Gerardo A. Perez 400 years of the Telescope: A Journey of Science, Technology, and Discovery			Prof. Miguel San Miguel Binomial Theorem	Dr. Ramon Alaniz Biology/Physical Science in the Classroom	Dr. Qingwen Ni Mathematics and Physics	
Week 2, May 23–27, 2011	9:00–10:25	Dr. David K. Milovich, Jr. Simple calculator explorations of chaos	Mr. Juan J. Arellano, Jr. Mathematics for Teaching	Dr. Miroslava B. Vargas STEM Careers & the Art and Science of Teaching	Dr. Cathy L. Guerra Literature in the Science Classroom	Participants' Experience Presentations Extension/Enrichment Discussions	
	Break						
	10:35–12:00	Dr. David K. Milovich, Jr. How the Global Positioning System (GPS) uses general relativity	Mr. Juan J. Arellano, Jr. Mathematics for Teaching	Dr. Miroslava B. Vargas STEM Careers & the Art and Science of Teaching	Dr. Cathy L. Guerra Literature in the Science Classroom	Participants' Experience Presentation Extension/Enrichment Discussions	
	Lunch Break (plan it yourself)						
	12:50–2:15	Dr. Arturo Limon Integrating Digital Documentary Processes for Science and Math	Mr. Juan J. Arellano, Jr. Mathematics for Teaching	Dr. Fernando G. Quintana Mathematics in Biology	Dr. Neela Emanuel Mathematics in Chemistry	Participants' Experience Presentation Extension/Enrichment Discussions	
Break							
2:25–3:50	Dr. Arturo Limon Integrating Digital Documentary Processes for Science and Math	Dr. Hari Mandal (2:30–3:30) Chemistry of Everyday Life	Dr. Fernando G. Quintana Mathematics in Biology	Dr. Neela Emanuel Mathematics in Chemistry	Closing Activities & Planning for the Academic Year		

More information about this program can be found at <http://www.tamtu.edu/~rbachnak/STEMRRG/Files/HSSstudents.html> & at <http://www.tamtu.edu/~rbachnak/STEMRRG/index3.html>.