

# STEM Recruitment and Enrichment Project (STEM-REP)

## Tentative Schedule for Speakers and Session Themes

(In the event of an emergency, please find someone to cover your session(s))

		Workshop 1: June 6 – June 17, 2011		Workshop 2: June 13 – June 24, 2011		Workshop 3: June 20 – July 1, 2011	
		9:00 am – 12:00 pm	1:00 pm – 4:00 pm	9:00 am – 12:00 pm	1:00 pm – 4:00 pm	9:00 am – 12:00 pm	1:00 pm – 4:00 pm
Week 1	<b>M</b>	Welcome & Introduction Molecular genetics  Dr. Michael R. Kidd	A primer on genetics  Dr. David L. Beck	Welcome & Introduction Molecular genetics  Dr. Michael R. Kidd	A primer on genetics  Dr. David L. Beck	Welcome & Introduction Introduction to Nuclear Magnetic Resonance (NMR) and applications Dr. Qingwen Ni	A primer on genetics  Dr. David L. Beck
	<b>T</b>	Robotics with legos  Dr. Young-Man Kim	Drawing with AutoCAD  Prof. Gerardo J. Pinzon	Robotics with legos  Dr. Young-Man Kim	Drawing with AutoCAD  Prof. Gerardo J. Pinzon	Robotics with legos  Dr. Young-Man Kim	Drawing with AutoCAD  Prof. Gerardo J. Pinzon
	<b>W</b>	Decision support in operations management using Microsoft Excel Dr. Balaji Janamanchi	Local environmental issues  Prof. Gerardo J. Pinzon	Decision support in operations management using Microsoft Excel Dr. Balaji Janamanchi	Local environmental issues  Prof. Gerardo J. Pinzon	Exploring biochemistry: what do we get out of it?  Dr. Ruby A. Ynalvez	Mathematics for STEM education  Prof. Patricia D. Proa
	<b>R</b>	Applications of biological modeling  Ms. Asela Acosta	Introduction to Nuclear Magnetic Resonance (NMR) and applications Dr. Qingwen Ni	Applications of biological modeling  Ms. Asela Acosta	Introduction to Nuclear Magnetic Resonance (NMR) and applications Dr. Qingwen Ni	Applications of biological modeling  Ms. Asela Acosta	Molecular genetics  Dr. Michael R. Kidd
	<b>F</b>	The rock cycle: how earth materials change with time Dr. Marvin E. Bennett	Systems of linear equations  Prof. Miguel San Miguel	The rock cycle: how earth materials change with time Dr. Marvin E. Bennett	Exploring biochemistry: what do we get out of it?  Dr. Ruby A. Ynalvez	The rock cycle: how earth materials change with time Dr. Marvin E. Bennett	Decision support in operations management using Microsoft Excel Dr. Balaji Janamanchi
Week 2	<b>M</b>	A deeper understanding of mathematics through mathematical puzzles Dr. Firooz Khosraviyani	Mathematics for STEM education  Prof. Patricia D. Proa	A deeper understanding of mathematics through mathematical puzzles Dr. Firooz Khosraviyani	Mathematics for STEM education  Prof. Patricia D. Proa	A deeper understanding of mathematics through mathematical puzzles Dr. Firooz Khosraviyani	Local environmental issues  Prof. Gerardo J. Pinzon
	<b>T</b>	Discover the power of Microsoft Access for engineering science Dr. Pablo Biswas	Exploring the universe  Dr. Juan H. Hinojosa	Discover the power of Microsoft Access for engineering science Dr. Pablo Biswas	Exploring the universe  Dr. Juan H. Hinojosa	Discover the power of Microsoft Access for engineering science Dr. Pablo Biswas	Exploring the universe  Dr. Juan H. Hinojosa
	<b>W</b>	Practical uses for matrices  Ms. Asela Acosta	Working with geometer's sketchpad  Mr. Pablo D. Morales	Practical uses for matrices  Ms. Asela Acosta	Working with geometer's sketchpad  Mr. Pablo D. Morales	Practical uses for matrices  Ms. Asela Acosta	Working with geometer's sketchpad  Mr. Pablo D. Morales
	<b>R</b>	Applying statistical techniques to real-world problems Dr. Marcus A. Ynalvez	Exploring new worlds: the search for extrasolar planets (in Planetarium) Mr. Gerardo A. Perez	Applying statistical techniques to real-world problems Dr. Marcus A. Ynalvez	Exploring new worlds: the search for extrasolar planets (in Planetarium) Mr. Gerardo A. Perez	Applying statistical techniques to real-world problems Dr. Marcus A. Ynalvez	Exploring new worlds: the search for extrasolar planets (in Planetarium) Mr. Gerardo A. Perez
	<b>F</b>	Building molecules of everyday life Dr. Hari D. Mandal	Presentation of participants' experience & award of certificates	Building molecules of everyday life Dr. Hari D. Mandal	Presentation of participants' experience & award of certificates	Building molecules of everyday life Dr. Hari D. Mandal	Presentation of participants' experience & award of certificates

For information of this program, visit: [http://www.tamiu.edu/~rbachnak/STEMRRG/2011%20Files/2011%20Mathematics%20Enrichment%20Rep\\_Flier\\_11.pdf](http://www.tamiu.edu/~rbachnak/STEMRRG/2011%20Files/2011%20Mathematics%20Enrichment%20Rep_Flier_11.pdf)