

STEM-Up™ Middle & High School Teacher Summer Workshop

Los Angeles, CA

The STEM-Up™ Initiative in partnership with the California State University of Los Angeles' (CSULA) College of Engineering, Computer Science and Technology (ECST), played host to 23 Middle and High School educators from seven different schools in the Boyle Heights Community from June 27- July 1, 2011.

Educators partook in a weeklong series that focused on providing invaluable tools and strategies to assist teachers to develop teaching techniques that would allow them to infuse Science, Technology, Engineering and Math into the curricula.



Throughout the week, workshop attendees participated in several hands-on activities that were facilitated by Dr. Mauricio Castillo of the ECST Department of Technology. Teachers took part in three major activities which included the 3-2-1-Blast-Off Rocket Challenge, the Telegraph challenge, and the Build-Your-Own Cardboard Chair. These activities allowed teachers to personally experience and learn different STEM techniques that could be used, taught, and applied with their students in the classroom in a fun and exciting way.

In addition to events that took place at the CSULA ECST, participants had an opportunity to visit the NASA Jet Propulsion Laboratory facility in Pasadena, CA. While at NASA JPL, teachers received various educational guides and resources pertaining to hands-on experiments and activities that can be performed in the classroom. They also experienced a guided tour of the NASA JPL facility such as their instruments lab, spaceflight operations facility, spacecraft assembly facility, and their mission control center.



Great Minds in STEM™ would like to thank all the teachers who participated in this year's Teacher Summer Workshop for making it a successful event. We look forward to continuing to jointly work with these tremendous educators to inspire and motivate the young minds of tomorrow towards pursuing an education and career in Science, Technology, Engineering and Math!



Special Thanks To:

Dr. Mauricio Castillo – CSULA ECST Dept. of Technology

Dr. Samuel Landsberger – CSULA ECST Dept. of Mechanical Engineering

Rodolfo Ramirez – Student, CSULA ECST Dept. of Technology

Jennie Ayala – U.S. Army Corps of Engineers

Dr. Ota Lutz – NASA Jet Propulsion Laboratory

Patrice Houlemard – NASA Jet Propulsion Laboratory