What is STEM?
Science, Technology, Engineering, and Math
WHY STEM?

- one of the fastest-growing segments - 21st century

- By 2018, STEM occupations will account for about 8.6 million jobs
• 1964 – Economic Opportunity Act

• 1965 – Higher Education Act

• Upward Bound, Talent Search, Student Support Services
MORENO VALLEY: College gets Upward Bound grant

funded $1.25 million, five year grant by the U.S. Department of Education.
UPWARD BOUND MATH AND SCIENCE (UBMS) PROGRAM

• Partnership between Moreno Valley College and Moreno Valley Unified School District

• Serves 60 students from Vista Del Lago High School
• designed to strengthen the math and science skills of participating students.

• help students recognize and develop their potential to excel in math and science

• encourage students to pursue postsecondary degrees in math and science, and ultimately careers in science, technology, engineering, and math (STEM).
SERVICES and BENEFITS

- Academic Support and Tutoring
- Mentoring
- Academic Advising
• Assistance in completing college, financial aid, and scholarship applications

• SAT/ACT/Test Prep
• 1 on 1 Assistance
• Family Workshops

• 6 Week Interactive Summer Experience
Hands-on/Interactive STEM Activities
Designing and Building Cardboard Boats and Bottle Rockets
Rockets...Ready to Launch
Racing Cardboard Boats
Principles of Engineering Design: Building Paper Towers for Strength
UBMS Scholars learning SWOT Analysis and Scientific Method using legos
Dynamic Speakers and Presentations
• Dr. Sandra Mayo, President, Moreno Valley College

• Dr. Sherry Stone

• Dr. Chris Nollette

• Dr. Diane Marsh, Professor, Chemistry, Moreno Valley College
• Dr. Frank Sheridan, Chief Medical Officer, San Bernardino County Sheriff’s Department

• Hardy Brown, Executive Director, Black Voice Foundation

• Brian Gray
• Manuel Urrizola, Librarian, Science Library, UC Riverside and District 12 Toastmaster Champion

• Keith Crisman,

• Dr. Victor Rodgers, Chair, Bioengineering, UC Riverside

• Tania Marien,
Exposure to Research and Internship Opportunities
UBMS Scholars testing water samples and conducting observations at the Ocean Institute
UBMS Scholars preparing to leave for Nanotechnology Chip Camp at UC Santa Barbara
UBMS Scholars conducting research experiments at the University of California, Santa Barbara Nanofabrication Facility
College Exploration and STEM Field Experiences
Mt. San Jacinto State Park
Columbia Memorial Space Center
UBMS Scholars Learning About Science Utilized by Harbor Patrol
Analyzing specimens on Advanced Floating Ocean Institute Laboratory Ocean
CSU Long Beach - Engineering
CSU Long Beach - Engineering Lab
College exploration and Field Trips

Visit to UC San Diego Electrical Engineering Program
Preparing to leave for Super Saturday College Fair at CSU Dominguez Hills

Transportation sponsored by McDonald’s
Career Exploration and Aptitude Assessment
Exclusive
Academic Preparedness, Leadership Development, and Student Development Opportunities
• UBMS Scholar meeting with Dr. Judy White, Superintendent, Moreno Valley Unified School District
• UBMS Scholar meeting with David Vakil, Dean of Instruction, Moreno Valley College
Micki R. Clowney, Director
micki.clowney@mvc.edu
(951) 571-6382 or (951) 233-3719

or

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(951) 571-6379 or (951) 235-6240
Thank You.
QUESTIONS
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