

The official e-communication  
for Colorado MESA

# eNews



Welcome to Volume I, Edition 2 of the Colorado MESA e-News electronic newsletter. Please let us know how we can assist your MESA program and make a positive difference for our MESA students. For more information on any item mentioned in the newsletter, please contact our office at 303.352.3869 or via email at [victor.vialpando@cudenver.edu](mailto:victor.vialpando@cudenver.edu). In this edition, you'll find information on the MESA Scholarship, 16<sup>th</sup> Annual MESA Awards Banquet, Outstanding Student Nomination, 2007 Summer Enrichment Program Opportunities and much more. To view past newsletters or print a pdf version of the current issue, visit [www.cmesa.org/news.html](http://www.cmesa.org/news.html)



## **MESA Scholarship Deadline 3/31/07**

### **2007 Colorado MESA Scholarship:**

The 2006-2007 Colorado MESA scholarship is quickly approaching! The MESA scholarship fund for eligible high school students has been endowed with donations inspired by the memory of Mr. Robert Rodriguez and Mr. Charlie Farel, two extraordinary people who were long time supporters of Colorado MESA and diversity education. In order to be eligible for either scholarship, students must demonstrate financial need (1/2 the points are based on financial need), be a current MESA participant and submit a completed application by **Saturday, March 31, 2007**. For eligibility and to download an application, [click here >>](#)

## **16th Annual MESA Awards Dinner – RSVP Now!**

**Wednesday, May 16, 2007**

Denver Museum of Nature and Science  
6:00PM

We have a limited number of complimentary seats available for MESA students and advisors. Due to the overwhelming response to past luncheons, we are limiting each school's complimentary seats to 9 students and 1 advisor. If you wish to bring more students, you have 2 options:

- **Option #1**

You may opt to place additional students on a waitlist for the dinner. If extra seats are available, wait list students will be added on a first-come, first-served basis. If you would like to select this option, check Option #1 on the RSVP form.

- **Option #2**

You may choose to guarantee seats for all students who wish to attend by paying \$20 for each student you bring over the 9 student limit. This fee is not refundable and your check must accompany your RSVP. If you would like to select this option, check Option #2 on the RSVP form and enclose a check for \$20/per student.

We will continue to accept reservations until all seats are full. We encourage you to get your RSVP and check to us ASAP because there are many more MESA students and advisors in Colorado than there are seats available at the awards Dinner. Industry sponsors are paying for the complimentary seats so we want to make sure that we fill every one available. DO NOT email RSVP form. Deposits MUST accompany your RSVP form. [Click here to download RSVP form >>](#)

## **Outstanding MESA Student Nomination**

The 2007 Outstanding MESA Student Award recognizes 15 outstanding MESA students from around the state. Out of more than 3,000 students, the 15 outstanding MESA students have shown exemplary leadership, creativity and commitment to MESA's mission. As an outstanding student award recipient, students receive a reconditioned Pentium based PC computer and recognition at Colorado MESA's annual awards banquet in May. Application deadline is Friday, April 13, 2007.

### **Eligibility**

- Current MESA student.
- Attend the 16th Annual Awards Banquet scheduled for Wednesday, May 16, 2007 at the Denver Museum of Nature and Science. Students must be present at the awards banquet to receive honor.
- Submit completed application by **Friday, April 13, 2007**

### **Selection**

Selection criteria used by our panel to select the finalist will include: GPA, MESA participation, academic and other honors. It is beneficial to include any additional awards, honors, volunteer activities, work experience and/or other community involvement you would like the selection panel to consider. For additional instructions and to download the application, [click here >>](#)

## **Have You Registered?**

### **MESA Day at the Mall**

**Registration Deadline – March 16, 2007**

Friday, April 20, 2007

University of Colorado at Denver and Health Sciences Center

Downtown Denver Auraria Campus – PE Event Center

[Click here to download registration form >>](#)

### **High School Engineering and Science Jamboree**

**Registration Deadline – March 29, 2007**

Thursday, April 12, 2007

Colorado School of Mines

[Click here to download registration form >>](#)



## 2007 Summer Enrichment Programs

### **Medical Career Collaborative The Children's Hospital**



The Children's Hospital

The Children's Hospital Medical Career Collaborative (MC<sup>2</sup>) is recruiting students for 2007-2008 program. The MC<sup>2</sup> is designed for motivated high school students interested in health and medical careers. Students accepted into the program participate in a paid internship at The Children's Hospital, field trips, career exposure opportunities, personal and professional development activities, service learning opportunities, mentoring and pre-collegiate assistance. Please note the program does require a significant commitment (beyond that of just an internship) - ideally two full school years.

MC<sup>2</sup> exists to build diversity into the healthcare workforce so we are actively looking for students from under-represented people groups- mainly low-income and minority students. Any sophomore or junior public high school student in Denver, Arapahoe, Adams or Douglas County is welcome to apply, but preference is given to students entering their junior year (current sophomores).

Applications are due **March 21, 2007** and the process is significant as the application requires a letter of recommendation, current transcript, and some short essays. Many counselors and teachers are already working with students to apply, so please take a moment to think about students in your community who might be a good fit for this great opportunity.

More information about MC<sup>2</sup> can be found at [www.thechildrenshospital.org/mc2](http://www.thechildrenshospital.org/mc2) and students may download an application from this site as well. For additional information or questions, please contact Stacey W. Renz, MC<sup>2</sup> Program Manager at 303-860-4072.

### **SUMMET**

*June 10-30, 2007*

Colorado School of Mines' Summer Minority Engineering Training (SUMMET) Program is a science and engineering program for talented high school sophomore and junior minority students who are strong in science and math. Combining class work, hands-on projects, industry tours, sporting activities and social events, SUMMET is an excellent stepping stone to the lifestyle and rigors of college. Students from across the nation stay in Colorado School of Mines residence halls and receive instruction in calculus, chemistry, geology, computer science and basic to advanced engineering concepts. SUMMET aims to help students grow academically and socially, and promises an experience that will last a lifetime!

[Click here for more information >>](#)



### **PREP**

*July 9-13, 2007*

Colorado School of Mines' Preparation for Engineering Program (PREP) is a science and engineering program for talented 8th and 9th grade minority students who are strong in science and math. Combining class work, hands-on projects, industry tours, and social events, PREP is an excellent stepping stone to the lifestyle and rigors of college. Participating students from the Denver Metro area will receive instruction in algebra, chemistry, geology, computer science and basic engineering concepts. PREP aims to help students grow academically and socially, and promises an experience that will last a lifetime! [Click here for more information >>](#)

## **Making of a Scientist**

*June 17 - July 1, 2007*

Making of a Scientist is a college credit course offered at the University of Denver for high school students interested in learning about the relationship between mathematics, computer science, and chemistry. Computers will continue to revolutionize science as scientists expand their understanding of computers and their applications in the scientific world. The goal of this course is to show students the close and important relationships that exist between the disciplines of mathematics, computer science, and chemistry. Students will attend classes taught by DU science and math faculty and participate in small group projects (called academies) with DU science faculty.



### **UCDHSC Pre-Collegiate Development Program**

The Pre-Collegiate Development Program (PCDP) at the University of Colorado at Denver and Health Sciences Center Downtown Denver Campus is an academic enrichment and support program designed to motivate potential first-generation (neither of whose natural or adoptive parent(s) received a baccalaureate degree), and/or underrepresented students in higher education complete a college preparatory curriculum, and pursue a college education.

The Program will offer students in grades 9 through 12, the opportunity to engage in a wide range of Pre-Collegiate activities throughout the academic year. The academic year component will offer students monthly Saturday Academies consisting of study skills and career orientation workshops, class selection, tutoring and a variety of cultural enrichment experiences. [Click here for more information >>](#)

### **CU Boulder Success Institute**

*July 9-20, 2007*

Success Institute - a hands-on engineering experience in a friendly environment. Try it - explore engineering through the creation of imaginative and fun projects. The Institute takes the mystery out of engineering as you explore your interest in creating things to help others.

Students participate in a multi-day, hands-on "design and create" workshops and have the opportunity to return in future summers. The commuter workshop for students in entering the 9th and 10th grades is held in Denver. The week-long, on campus resident workshops for students entering the 11th and 12th grades is held on the University of Colorado at Boulder campus. [Click here for more information >>](#)

## **MESA Success!**

### **Robots Bring Star Students to Regional Competition**

La Casa de Esperanza MESA Program

Article by Melanie M. Sidwell, The Daily Times

LONGMONT — Some high school students involved with the St. Vrain Valley MESA program are building a robot while breaking stereotypes about Hispanic youth. The dozen students are participants in MESA — the Mathematics, Engineering and Science Achievement program — through Casa de la Esperanza.

Owned and operated by the Boulder County Housing Authority, Casa de la Esperanza is a nonprofit housing site for migrant families. Its resident



program is tailored to meet the needs of first-generation Mexican immigrant families in the community.

The St. Vrain Valley School District has 65 MESA programs in elementary, middle and high schools. MESA serves all students but has a particular focus on students from groups that are historically underrepresented in science and engineering.

Casa has its own MESA program under advisers Carlota Loya Hernández and Michael Lozano. The team is working with mentors — such as college students from the University of Colorado and professional engineers from IBM, Lockheed Martin and Ball Aerospace — to enter a robot into the the FIRST Robotics Colorado Regional Competition at the University of Denver from March 29 to 31.

While other MESA teams from high schools such as Silver Creek and Niwot also are working with mentors to compete in the FIRST Robotics competition, the Casa team is the first district-wide team from the MESA program to compete in the regional contest, said Karen Hunter, coordinator for St. Vrain Valley MESA program. All the Casa MESA students are from Niwot High School, but Hunter said the program plans to invite any interested student to join their team for next year's robotics contest.

**Good Luck to St. Vrain MESA and all MESA schools competing in this year's FIRST Robotics Colorado Regional Competition on March 29-31, 2007.**

## UPCOMING EVENTS

▣ [First Robotics Competition](#)  
Thursday, March 29 -31, 2007  
Colorado Convention Center

▣ [GESETE](#)  
Tuesday, April 10, 2007  
Colorado Convention Center  
8:45AM - 1:15PM

▣ [High School Engineering & Science Jamboree](#)  
Friday, April 12, 2007  
Colorado School of Mines  
8:00AM - 3:30PM

▣ [MESA Day at the Mall](#)  
Friday, April 20, 2007  
Tamarac Square Mall (tentative location)  
8:00AM - 2:00PM



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