



Endeavour Explorer

A Production of Space Information Laboratories, Inc.

Spring 2008

Volume 1, Issue 1

More Inside

President's Vision	Page 2
What Participants Say	Page 2
Space Cowboy's Thought Experiments	Page 2
EC Programs	Page 2
The Endeavour Spirit	Page 3
Meet Our Partners	Page 3
Who Cares?	Page 4
Thanks to our Supporters	Page 4

Upcoming Events

- Open House/Fundraiser (April)
- AIAA Science Fair (May)
- Endeavour Stars Dinner (May)
- NASA OSTM Jason-2 Educator Launch Conference (June)
- Endeavour Camp (June-August)

Contact Information

Phone: (805) 734-1747
FAX: (805) 734-1030
E-mail: director@endeavours.org
Online: www.endeavours.org
Address: P.O. Box 5090 1 Carob St. Vandenberg AFB, CA 93437

Endeavour Center for Higher Learning: Transition to Next Level of Excellence



Earth-friendly systems, including solar and wind technology, point the way to future solutions for climate change.

After 15 years of creating pathways from school to high-tech careers, the Endeavour Center now joins with a few outstanding educational non-profit partners. A new home where educational excellence for youth can thrive awaits transition to energy efficient technology, expanded k-12 teacher resources in regards to Science, Technology, Engineering, & Math (STEM) curriculum & activities, banding with community partners, and you. Together we journey to the Endeavour Center for Higher Learning (ECHL).

Los Padres Elementary School, slated for closure in June 2008, instead will become this collaborative home to the Children's Montessori School of Lompoc, Manzanita Charter School, Santa Barbara County 4-H, and The Endeavour Center. The ECHL brings new excitement to learning at this facility on Mountain View Blvd. in Vandenberg AFB's East Base (now Open to Public Access) after this years' summer Endeavour Camp (details inside on Camp).

SIL, Inc. staff is currently pursuing a capital campaign and fundraising for this transition. Experiential STEM learning assets we have acquired and developed over the years including a high precision planetarium projector in storage will finally become a permanent resource to the community. We plan to run the entire facility using Earth friendly systems to reduce operational cost that include solar, wind, and geothermal technologies that are science learning centers themselves to inspire students, and support our "hands-on, minds-on" education approach.

If you feel a permanent home for preparation in science and math skills, academic achievement, and improved learning and teaching resources enhances this community, please contact us now about tax-deductible donations and support. Please spread the word!

Moksha Badarayan, Director
director@endeavours.org or (805) 734-1747



Open House / Fundraiser: April 26, 2008 Exclusive briefing on NASA's Phoenix Mars Lander



NASA's Phoenix Mars Lander with robotic arm extended for soil sample.

Dr. John Keller, Cal Poly Physics Professor and part of the original investigation team, presents detailed mission briefing of NASA's Phoenix Mars Lander scheduled to touch-down on Mars on 5/25/08. The Phoenix Lander targets Mars' northern arctic region using a robotic arm to dig through the protective top soil layer to the water ice below & bring both soil & water ice to the lander platform for analysis of composition and possible conditions for life.

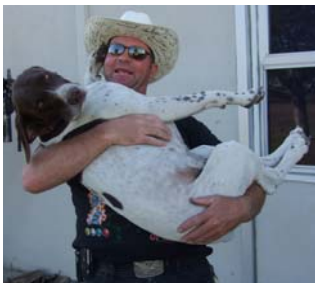
Please come and enjoy refreshments, a raffle, and free activities including Robotics Demo's by VAFB's Explosive Ordnance Disposal Unit and Allan Hancock College's New Mechatronics Outreach Trailer as well as a Tesla Coil Demo, Meteorite Presentation, & Astronomy Viewing at our Observatory.

For more information about the Endeavour Center Open House go to our website at www.endeavours.org/sec. Please contact Ms. Moksha Badarayan, Endeavour Center Director at director@endeavours.org or 805-734-1747 with any questions.



What Participants Say

- *"I commend you for your efforts in spreading the word of space exploration and showing children how they can become part of it in so many different ways."*
- President, Central Coast Astronomical Society
- *"Continue to do great things with these kids! You're helping to build an amazing world!"*
- Parent, 2007
- *"Thank you for all your efforts to spark the imagination and creativity of young people."*
- Parent, 2007
- *"My friends do not believe anyone can have fun studying about the stars and planets. But I believe it can be done because you have shown me."*
- Camper, 2007



Space Cowboy's Thought Experiments

- "Yee + Haw = Yaw"
- "Your attitude control determines your altitude control!"
- "Upward & Onward!"
- "Education = Opportunity"
- "Balance"
- "Education through inspiration is similar to electricity and magnetism: it works both ways!"
- "We are all walking, talking, containers of stardust governed by deoxyribonucleic acid."



Edmund Burke, SIL, Inc.
President/CEO/Founder

President's Vision

An exciting transition to a new location after the 14th Annual Endeavour Camp this summer brings the Endeavour Center the promise of a new day. The new school site location will allow us to expand our Space Education programs (open to the public) with dedicated rooms for science learning centers, NASA Educator Resource Center, Project Lab, and Teaching rooms. Our partners, Manzanita Charter School and Lompoc Montessori School will also collocate with the Endeavour Center this summer. I want to thank the Lompoc USD and Base for allowing this to happen for our community. We appreciate the K-12 teachers, parents and youth who have participated in Endeavour programs since 1993 and your enormously kind support.

Endeavour Center Programs

Youth Science Education Saturdays (YSES)

The YSES concludes for the 07-08 season, but kicks off our first set of programs at the ECHL in the fall of 2008. To the delight of all, we introduced new dino dig kits for our Prehistoric Worlds seminars. This program operates from November thru March with a new topic and hands-on project to build each month. Youth ages 7-14 learn about rocketry, astronomy, and much more! Parents are encouraged to attend for free and spend quality time with their child(ren). Applications available online (www.endeavours.org) or by calling (805) 734-1747.

Endeavour Camp (EC)

Endeavour Camp (EC) will launch in June with week-long sessions that run thru August for Ages 7-14. Start planning now to learn from space professionals with daily field trips and hands-on science labs. EC provides a safe, friendly environment that balances science and math with life skills and fun. Our (QUEST) program allows youth to "earn their way" to our programs. We also have a limited number of scholarships available for those who qualify. Applications available online (www.endeavours.org) or by calling (805) 734-1747.



Astronomy for the Public

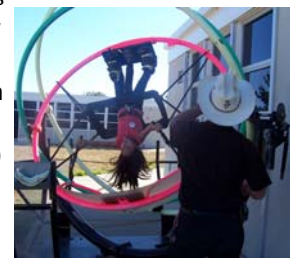
Our Research-Grade Observatory, the only one on the Central Coast solely dedicated to public viewing, allows families to journey beyond the stars during our Open Houses, Star Parties, and other events with the help of the Vandenberg Amateur Astronomical Society (VAAS, members.aol.com/vaastronomy). A new planetarium planned for the ECHL will feature "Alice", the recently donated sky projector once operated at The Santa Barbara Museum of Natural History.

NASA Resources for Educators

The Endeavour Center is home to the only NASA Educator Resource Center on the Central Coast where educators can find a multitude of materials on a variety of topics including videos, DVD, CD-Rom, Lithographs, Posters, and grade-specific curriculum. We also support teacher development and training through our statewide K-12 Educator Launch Conferences (to see Rocket launches from Vandenberg AFB) and math/science workshops. More information available online (www.endeavours.org) or by calling (805) 734-1747.

School/Group Field Trips

We make presentations on a variety of space & science topics with hands-on projects for schools/groups at their site or ours, and offer Space-O-Ree campouts for groups like the boy scouts, girl scouts, & 4-H. More information available online (www.endeavours.org) or by calling (805) 734-1747.





The Endeavour Spirit

The word "Endeavour" is the backbone of the Center's education, science and life philosophy. Our youth, teacher and citizen outreach programs stress a long term step-by-step approach. Our goal is that individuals and groups reach their highest level of excellence and achieve their unique potential. Failure only comes when one doesn't learn from their experience and mistakes and when one doesn't try again. We hope our educational programs in applied math and science inspire you to reach *beyond* the stars, thereby enhancing your performance in life and beyond.

The Past

In 2007 alone, the Endeavour Center has touched thousands of lives including hundreds of youth in eight summer Endeavour Camps, 100 in Youth Science Education Seminars, dozens of school/group field trips for the Endeavour Science Education Program, Space-O-Ree campouts, and after-school programs. Hundreds of science educators developed effective teaching techniques at our NASA AIM Educator Launch Conference. Producer/Director Jeffrey Roth presented his latest award-winning space film "The Wonder of it All" to an audience of over a hundred captivated Central Coast viewers at our Open House last November.



The Present

The Endeavour Center hosts the Central Coast AIAA students science fair. Educators from across the nation converge early this summer to gain practical teaching applications at the Jason-2 OSTM Educator Launch Conference. Summer brings hands-on learning opportunities for youth at summer Endeavour Camp. Week-long sessions from mid-June thru mid-August. School/group field trips, on-site presentations, and participation in various fairs continue.



The Future

Lompoc USD school closures present opportunities for permanent facilities to support local families, home school groups, non-profit organizations and schools that are the heart and soul of our community. The Endeavour Center for Higher Learning will partner at all levels of education toward a successful curricular pathway guiding students to high-tech careers in math, science, engineering and technology in an exciting and fun experiential learning environment. Facility power obtained from renewable energy demonstrates responsible Earth stewardship and leads kids to future global solutions.



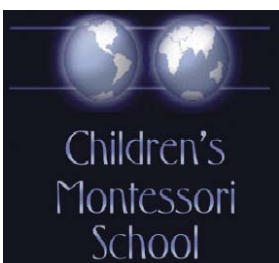
Meet Our Partners



Manzanita Charter School is committed to developing bi-literate, bi-cultural students while advancing academic achievement and emphasizing the moral basics of caring, serving, empowering and learning thereby expanding their world and creating a more just, enlightened and equitable society.

Lynnda Palmer, Principal/Director
PO Box 2951 Lompoc, CA 93438
www.manzanitacharterschool.com

Kathy Grbac, School Manager
805-736-1738 or 805-448-9382
kathy@manzanitacharterschool.com



The mission of CMS is to educate children at the primary, elementary and junior levels (2 to 15 years) to their fullest potential. We strive to help children continue their innate love of learning and to make education a joyful life-long process. We are committed to providing a prepared environment that guides children toward development of practical, intellectual, physical and emotional disciplines that promote independence, self-discipline, respect and both personal and social responsibility.

CMS is dedicated to the continual development of an environment that meets the emerging needs of the children. Its assets and resources are committed and channeled to the welfare of the children.

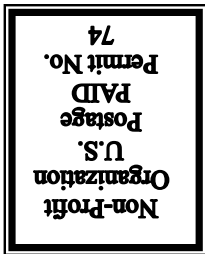
P.O. Box 3510 www.montessorilompoc@aol.com
Lompoc, CA. 93438 montessorilompoc@aol.com

James L. Murphy, Director
805-734-5500

Education thru Inspiration

To:

The Endeavour Center
P.O. Box 5090
Vandenberg AFB, CA 93437
Web: www.endeavours.org
E-mail: director@endeavours.org



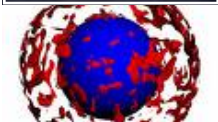
You Give a Child the chance to Change the World when You Become a Celestial Member!



Quasar
\$100k and beyond



Supernova
\$10,000 +



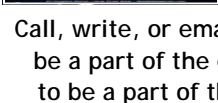
Nova
\$5000 +



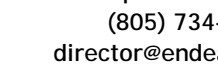
Red Giant
\$1000 +



STAR
\$500 +



Star Birth
\$100 +



Comet
Up to \$100

Call, write, or email us today to be a part of the excitement, to be a part of the solution!
(805) 734-1747
director@endeavours.org

An Investment in Knowledge pays the best interest.
- Benjamin Franklin

Who Cares?

Science and math performance of students in the US lagging behind those of *third world countries*? **40-50% Dropout rate of California** students enrolling in CSU and UC engineering degrees? **Families leaving the Central Coast** because **income levels** cannot keep up with *living costs* forcing schools to close?

Who Cares? We do! Our school-to-career streamline has prepared one youth for a successful degree and local aerospace business start-up. Another, currently a junior in aerospace engineering at MIT, attributes her inspiration to our summer camp. Who among our current endeavoursers will be next to Succeed?

Special Thanks to Our Caring Supporters

Many youth with capabilities but in need of opportunities have found encouragement and a path to their dreams thanks to the involvement of these caring supporters:

Ann Jackson Family Foundation

The Stangenes

Wood-Claeyssens Foundation

Quintron Systems, Inc.

The Towbes Foundation

Chevron USA -

Santa Barbara Foundation

Environmental Management Co.

Castagnola Family Foundation

Coast Hills Credit Union

Santa Maria Chamber of Commerce

Space Cowboy

Albertson's