

## STEM and Digital Media Arts Showcase and Competitions

**Event Venue:** OC Fair & Event Center in partnership with the Youth Expo

**Event Dates:** April 13, 14, 15<sup>th</sup>, 2012

### Overview:

The Vital Link STEM (Science, Technology, Engineering, and Math) and Digital Media Arts (DMA) Showcase and Competitions will be held at the OC Fair & Event Center during Youth Expo days. The Vital Link STEM and DMA Showcase is an exhibition of college and industry demonstrations and exhibits, Career Preparation presentations, exhibition of student work, and STEM related competitions. (Held since 1980, the Youth Expo is an educational fair focusing on the positive accomplishments of Orange County youth.)

### STEM and DMA Showcase Description:

Vital Link is bringing together a number of STEM related programs and combining them into one large OC STEM and Digital Media Arts Showcase and Competition.

- Vital Link Career Exploration Exhibits (Medical, Transportation, Environmental Design, and Engineering) (Fri, Sat, Sun)
- Student science and engineering displays (Fri, Sat, and Sun)
- Digital Media Arts Competition displays (Fri, Sat, and Sun)
- Community college exhibits and displays (Fri and possibly Sat)
- Industry exhibits - mobile labs, Mentor Corner, and demonstration areas (Fri, Sat, and Sun)
- Presentation area: (Fri, Sat and Sun)
  - Friday Theme –How Engineering *Drives* Transportation
  - Saturday Theme – The Expanding World of Robotics
  - Sunday Theme – The Digital Media Arts and Technology Connection
- **Energy Invitational auto competition** static Judging – Display and see the Design Review competition for a Performance Engineering project Designed and built by University and High School student teams (Fri)
- **Robotics Competition** - Teams competing with student designed robots Both Vex and First Robotics League demonstrations (Sat)
- **Digital Media Arts Competition** – (Sun)
- **Job Recruitment** - Non-profits will have exhibit booths to share information about volunteer or paid positions within their organizations in STEM and DMA related projects.

### Education and Industry Partnerships and Supporters:

The STEM Expo is produced in partnership with Vital Link industry partners. Some of the participating partners include:

#### Professional Associations

California Land Surveyor's Association (Exhibitor)

Society of Automotive Engineers International (Potential Sponsor)

Orange County Asian Business Association (Supporting Partner)  
Orange County Business Council (Supporting Partner)  
International Game Developers Association (Supporting Partner)  
IEEE International Electric and Electronics Engineers (Sponsor)

#### Business Partners

Automotive Technology Group, Inc. (Potential Speaker)  
Boeing (Exhibitor)  
Blizzard Entertainment (Potential Speaker)  
Caltrans (Potential Exhibitor)  
IKE Aerospace (Potential Mentor/Speaker/Exhibitor)  
Microsoft (Teaching Kids to Program/Exhibitor)  
Orange County Sheriff Department (Exhibitor)  
Road Trip Nation (Exhibitor)  
Santa Ana Police (Exhibitor)  
SkyTran Net (Potential Speaker)  
Southern California Edison (Exhibitor)  
Southern California Gas Company (Sponsor/Potential Exhibitor)  
State Street (Sponsor)  
UCI Surgical Training Center – Department of Urology (Exhibitor)

#### Non Profit Partners

4<sup>th</sup> District PTA (Potential Promotion Partner)  
PBS So Cal (Promotion, Speaker, and Exhibitor Partner)  
Earth Resource Foundation (Potential Exhibitor)  
Green My Parents (Potential Exhibitor)  
Reactor Institute (Exhibitor, Mentor)  
United Way Supporting Organizations (Supporting Partner)  
OneOC Member Organizations (Supporting Partner)  
Traveling Space Museum (Potential Exhibitor)  
Wyland Foundation (Exhibitor)

#### Government and Education Organizations

Orange County Workforce Investment Board (Sponsor, Exhibitor, Youth Attendee Participants)  
Orange County Department of Education (Sponsor)  
8 High School Districts (Attendees and Student Competition Participants)  
4 Regional Occupational Program Districts (Attendees and Student Competition Participants)  
4 Community College Districts (Attendees, Student Competition Participants, and Potential Exhibitors)  
University of California Irvine (Supporting Partner, and Competition Participants, Exhibitor)