

TEN80 STEM EXPO & SPONSORSHIP

ST. LOUIS, MO • Wed., Oct. 7, 2015



Ten80 STEM Expo St. Louis

Date: Wednesday, October 7, 2015

9:00 AM - 1:30 PM

**Venue: St. Louis University's Chaifetz Arena
1 South Compton Ave., St. Louis, MO 63103**

Join Ten80's team of STEM professionals in a one-day version of the Innovators-in-Training Challenge. Students will attend workshops and working sessions that focus on one or more of the four critical aspects of innovation: the engineering process, enterprise process, content & skills and leadership.

The event is open to any high school or organization that serves high school students. Lunch is provided to all registered participants. A \$300 transportation stipend is available for the first 10 schools to register.

Innovation takes practice. Let's get started!

Register online at www.NationalSTEMLeague.com/?p=562.

VIP Breakfast

Interested in learning more but not bringing students? Administrators, elementary and middle school educators, and informal educators are invited to a breakfast before the event begins. Doors are open from 7:30 - 8:45 AM.

Go to the event page at <http://www.nationalstemleague.com/?p=1833> for the full VIP Breakfast flyer. RSVP to mjsmith@ten80education.com to ensure there is enough coffee!

STEM Sponsorship

The STEM Expo can serve as a kick-off to long-term learning. Expo attendees are eligible to activate sponsorship for initiatives that depending on the chosen implementation, can include up to \$4,200 worth of non-consumable materials and curriculum for STEM Endorsement courses, Principles of Engineering courses, out-of-school clubs, summer camps or individual projects to enhance your existing courses.

Visit www.NationalSTEMLeague.com/Expo-Sponsorship for more information on these programs that are certified Exemplary and Scalable by Change the Equation.

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STUDENT STEM CHALLENGES

In a society increasingly powered by science, technology, engineering and mathematics (STEM), everyone is a STEM student. STEM education isn't just for future engineers, scientists and technicians. It is an approach to teaching and learning that benefits every student.

Ten80's secondary education programs, the Student STEM Challenges and National STEM League, cultivate 21st Century Skills and align with Common Core and NGSS Standards by helping students understand and actively participate in the innovation process that is driving today's economy, civil society and public institutions.

Ten80's curriculum, competition and STEM Expos combine four elements described below that together make innovation possible.

PROCESS OF INNOVATION



1. Engineering at the intersection of science, mathematics and technology
2. Specific knowledge and skills to see ideas through
3. Enterprise to ensure sustainability through project management, marketing, and business modeling
4. Leadership that turns ideas into action



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EXPO SPONSORSHIP OPPORTUNITIES

Participating high schools are invited to activate a course or club sponsorship which, depending on the implementation, provides up to \$4,200 worth of non-consumable Student Racing Challenge curriculum, materials and entry into the 2015-16 National STEM League.



All students who attend a STEM Expo are invited to enter a video of their project pitch into the Innovators-in-Training Challenge which is part of the National STEM League. The winner of phase 1, the Video Pitch, earns a \$1,000 prize.

Phase 1 is all about ideas and creativity. Students are invited to continue into Phases 2 - 4 : Research, Planning and Prototyping.



The Student Racing Challenge curriculum can be implemented as a STEM Endorsement course, Intro to Engineering course, out-of-school club or individual modules to support your existing curriculum.

Student Racing Challenge teams own their own business. They manage themselves, market their team and of course, engineer performance. The base technology is a 1:10 scale electric radio-controlled (RC) car that can be setup in over four million ways before re-engineering a single part.

Specialization pathways projects include automation (Robotic RaceCar), Aerodynamic Design using 3-D CAD, and Renewable Energy Charging.



Organizations that offer Student STEM Challenge courses and/or clubs are invited to collaborate and compete as teams in the National STEM League.

The Student Racing Challenge is the flagship series in the National STEM League (NSL). Racing teams compete online in an annual points race and face-to-face at Open Invitionals across the country. Points leaders and invitational winners are invited to the NSL Finals.

Other series and curriculum include the Student COMPSCI, ROVER, ENERGY and Innovators-in-Training Challenges.

Register to Reserve Space & Sponsorship

NationalSTEMLeague.com/Get-started/attend-a-stem-expo to register
info@ten80education.com • (toll free) 855-836-8033