

Event Information:

This event is completely **FREE** for students and teachers

Registration deadline: January 27, 2011

Event date: February 18, 2011
8 am—5pm
UTPA's Engineering Building

Contact:

Ruben Lopez

I VIVA ENGINEERING! Coordinator
ruben.lopez@hotmail.com
(956)467-3768

University of Texas-Pan American

**Society of Hispanic Professional
Engineers**

1201 W. University Drive
Edinburg, TX 78541
Phone: (956)381-3510
shpeutpa@gmail.com



I VIVA ENGINEERING!
Xtreme



An event by SHPE-UTPA



iVIVA ENGINEERING! Xtreme

About SHPE-UTPA's iVIVA ENGINEERING!

With iVIVA ENGINEERING! SHPE-UTPA provides an exclusive opportunity for middle school students to explore and get familiar with Science, Technology, Engineering, and Mathematics (STEM) careers through a design competition that will give them a strong sense of direction when choosing a career path.

SHPE-UTPA hosted the first annual iViva Engineering! day in February of 2005. This event gave students an opportunity to use their critical thinking skills to solve a challenging task and compete against several schools. Not only did iViva Engineering! provide these students the opportunity to apply their knowledge and science intuition, it also helped them to develop leadership, communication and team work skills.



Design Competition

Students will be exposed to activities that will test their:

- Handcrafting abilities
- Problem solving
- Creativity
- Teamwork
- Mental agility
- Leadership
- Communication

These and other skills will be enhance during the competition preparing young students for

Promoting STEM fields to the young generations

For this competition students will be group in teams with people from other grades levels and schools to work on a project that will consist of designing, testing, and presenting a particular project given by the coordinators.

Teams will be assigned after a brief interview of each student with different potential companies that will hire them to "work" for them in this project.

Students will be chosen accordingly to their abilities looking to create a diverse group that can effectively work together to succeed in all the challenges presented during the competition.



The reason for this new dynamic in the competitions is to provide young students with a stronger feeling of what it is to be a professional in any STEM career, subjecting them to especially designed tasks that will develop key abilities for them to succeed in their future lives.

Our main goal remains to be to promote the STEM fields and inspire young students to take on an exciting educational challenge.



**Society of
Hispanic
Professional
Engineers**

*"Guiding today's
youth to become
engineers and leaders
of the future."*