



PROGRAM NEED

Un Sabado Gigante in Engineering is a program created by several Hispanic professional organizations around Austin. These professionals saw a need to reach the Hispanic community because of the gap between the Hispanic community and the opportunities offered in education.

A report most recently released by the U.S. Labor Department suggests that over the next 10 years, the need for technical people in this country is going to grow by 50 percent and the latest numbers from the U.S. Census Bureau shows that fastest growing group is the Hispanic population from a previous rate of 7 percent to 10 percent. In addition, it is predicted that in the next 40 years the Hispanic population will grow to about 25 percent of the national population. Contrarily, only about 2 percent of the overall technical degrees are being granted to Hispanics. Our goal is to change that fact and increase the number of students seeking technical degrees and careers because the fact is that the real wealth generators in the world are engineers, technical people.

To date, our program has been successful in implementing the following events at the University of Texas:

- 2003: 1st Un Sabado Gigante in Engineering - partnered with the Hispanic Engineer National Achievement and Awards Conference (HENAAC).
- 2004: Conducted in conjunction with the Mexican American Engineers and Scientists (MAES) National Conference.
- 2005: Implemented during the UT Explorer weekend on March 4, 2006 (Rescheduled from September 24, 2005 due to the impact of Hurricane Rita).
- 2006: October 21, 2006

The program includes a General Assembly and presentation by an Inspirational Speaker. The committee's goal is to have an astronaut from NASA as this year's guest speaker. The speaker helps to personalize the experience for the students and reinforce the importance of attending college. Following the General Assembly, the students will then break off into groups to participate in an Engineering Fair and several hands-on, interactive engineering and science experiments. The Engineering Fair is an opportunity for students and parents to see demonstrations and view the products of several Austin-based companies and organizations. The companies benefit by showing off their products to students and parents and letting the participants know that it is people like them who come up with the products and are the most valuable assets of the companies. The students and parents come to understand that becoming engineers and scientists is a real possibility that will lead to an interesting and enjoyable career that results in creating products and services that will be used by their community.

While the students attend various workshops, the parents attend a Parent's Program, offered in both English and Spanish. This program introduces them to the university system and also educates them on the college application process and the available funding programs. Parents are also educated on the advantages of a college education and how to support their children before and during their

attendance in college. It is important for the parents to be aware of the opportunities available to their children. By involving parents in the process, the program seeks to reinforce the educational goals of the children.

GOALS/OUTCOME

Un Sabado Gigante in Engineering intends to:

- Decrease the gap between the Hispanic Community and available opportunities.
- Increase middle school student's interest in engineering, math and science.
- Make engineering and science professionals available to students and parents so as to eliminate the mystique that exists regarding engineering and science careers. Create an interest in engineering projects they have participated in.
- Help students make the connection that they can achieve more and that the UT student looks like them.
- Inspire students to set higher goals for themselves and show that they, too, can achieve success through education and science.
- Provide leadership opportunities for current student volunteers.

Objectives:

- 400-600 middle school students participating in the event.
- Students show an increase in confidence in their ability to succeed in a career in engineering, math or science. An improved understanding of the opportunities available through education.
Parents will have a better understanding of the college process, availability of funding and the opportunities available to their children through education.

SUCCESS MANAGEMENT

Un Sabado Gigante in Engineering Assessment Methods:

- Participation Registration and Event Check-in Data
- Participant Immediate Post Surveys
- Volunteer Registration and Event Check-in Data

Additional assessment methods include:

- Assessments from partnering organizations and participating school representatives
- Follow-Up communications and event/initiative correspondence and involvement
Internal process reviews to determine needs for improvement

PARTNERSHIPS

Un Sabado Gigante in Engineering is in its 5th year at the University of Texas at Austin. Through a partnership with Austin Independent School District and support from local-area engineering and technology companies, participants have continued to grow in numbers and support.

1. Partnership with Austin Independent School District which includes the nine targeted schools. The schools are provided additional assistance through sponsored buses; these buses are for both the students and the parents. A representative from each school and a committee member help organize approximately 50 students and their parents for the program.

- Martin Middle School
- Mendez Middle School
- Webb Middle School
- Potter Middle School
- Fulmore Middle School
- Kealing Middle School
- Pearce Dobie Middle School
- Del Valle - Bailey Middle School

The program has grown within each of the targeted schools but also amongst other local schools because of positive feedback from the students, parents, teachers and administrators. Exposure during UT Explorer in 2006 was also to our benefit. Other schools that have participated for several years are:

- Bedichek Middle School
- Burnet Middle School
- Covington Middle School
- Falfurrias (Falfurrias ISD near Corpus Christi)
- Jack C. Jordan Middle School (San Antonio ISD)
- Lamar Middle School
- Murchison Middle School
- Paredes Middle School
- Pflugerville
- Taft (Taft ISD near Corpus Christi)

2. University of Texas at Austin College of Engineering: The entire program is coordinated with the College of Engineering. All student volunteers are also provided by the College of Engineering.
3. Society of Hispanic Professional Engineers – Austin Chapter
4. Mexican American Engineers and Scientists – Austin Chapter
5. 3M – Latino Resource Group: 3M provides several professionals to serve on planning committee and also as School Ambassadors for recruitment of students. They also provide a booth at the Engineering Fair portion of Un Sabado Gigante in Engineering.
6. IBM – Hispanics in Partnership: IBM provides several professionals to serve on planning committee and also as School Ambassadors for recruitment of students. They also provide a booth at the Engineering Fair portion of Un Sabado Gigante in Engineering.
7. Freescale – Hispanic Education Awareness Team: Freescale provides several professionals to serve on planning committee and also as School Ambassadors for recruitment of students. They also provide a booth at the Engineering Fair portion of Un Sabado Gigante in Engineering.

8. Applied Materials – Hispanics in Partnership: Applied Materials provides several professionals to serve on planning committee and also as School Ambassadors for recruitment of students. They also provide a booth at the Engineering Fair portion of Un Sabado Gigante in Engineering.

BUDGET NARRATIVE

- Lunch, snacks, drinks and water are provided to students, parents and volunteers.
- Materials for hands-on activities for potentially 400-600 students will be purchased.
- In addition supplies such as banners, signs, nametags, markers and pens, paper, etc. to manage the event.
- T-shirts for potentially 150 volunteers will be purchased.
- Buses will be provided for students and parents to and from the event.
- Giveaways will be provided as motivation for students. Grand prize is a personal computer for one student.
- Tables and Chairs will be needed for event registration and activities.
- No salaries are paid. The event is entirely executed by professional and student volunteers.

SPONSORSHIP OPPORTUNITIES

El Jefe: \$3,000 Sponsorship

- Sponsor name, logo, and hyperlink to sponsor web site from the web page
 - Sponsor recognition at the Opening/Closing Events
 - Partner sign for display at Engineering Fair
 - Eligible for logo visibility on program T-shirt
 - Prime location for the Engineering Fair

Patron: \$1,500 Sponsorship

- Sponsor name, logo, and hyperlink to sponsor web site from the web page
 - Sponsor recognition at the Opening/Closing Events
 - Eligible for logo visibility on program T-shirt
 - Engineering Fair Participant

Amigo: \$500 Sponsorship

- Engineering Fair Participation
- Sponsor recognition at the Opening/Closing Events

CONTACT INFORMATION

Kimberly Pacheco
(512) 246-0755
Kimberly.Pacheco@SedonaVC.com

MAKE ALL CHECKS PAYABLE TO:

SHPE-Austin (Un Sabado)
P.O. Box 2477
Austin, TX 78768

501(c) (3) EIN 74-2567506