

Society of Hispanic Professional Engineers
March 2010



El Paso

NASA Space Science Day



Student Information and Registration



AHETEMS

Advancing Hispanic Excellence in Technology, Engineering, Math and Science

AHETEMS, Inc.
The University of Texas at Arlington
Box 19019
Arlington, TX 76019
www.ahetems.org
ahetems@shpe.org

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2010 El Paso NASA Space Science Day

OVERVIEW

In partnership with the Society of Hispanic Professional Engineers (SHPE) and the Advancing Hispanic Excellence in Technology, Engineering, Math and Science Foundation (AHETEMS), the El Paso NASA Space Science Day is an expansion of existing, successful NASA Space Science Day (NSSD) programs that the Johnson Space Center Astromaterials Research Exploration Science Office (JSC ARES) and the University of Texas Brownsville/Texas Southmost College (UTB/TSC) have conducted for the past six years.



The NASA Space Science Day events utilize NASA Science Mission Directorate (SMD) and other space-related hands-on activities at one-day events with an average attendance of over 700 Hispanic 5th and 8th grade students from various Hispanic serving schools. These grade levels are targeted because it is a very malleable stage in life, when career choices can be influenced by participation in these hands-on STEM activities. The Saturday event consists of approximately 10 different space science activities throughout the day.

By adding SHPE and AHETEMS as partners, the intent is to increase the scale and scope of impact by replicating the program throughout the country and reach 5th and 8th Hispanic grade students from local and immediately surrounding school districts with a predominantly underserved Hispanic population.

The goals of the NSSD are to:

- 1) Engage pre-college students in SMD content and attract them to STEM disciplines
- 2) Expose pre-college students to NASA SMD content in direct relation to SMD's vision for Education and Public Outreach
- 3) Provide leadership and mentoring opportunities for undergraduate and graduate students in STEM, thus strengthening NASA's and the nation's future workforce
- 4) Complement STEM-based education that students already received at school

VENUE INFORMATION

The 2010 El Paso NASA Space Science Day will take place at the University of Texas at El Paso on **Saturday, April 24, from 8 AM to 5 PM.**

CHAPERONE INFORMATION

There must be at least one adult chaperone (over 21 years old) for every 10 students.

POSTER COMPETITION

Each school is invited to submit one to two theme-related posters for a science content and presentation criteria-judged competition between schools. Top posters will receive an award and recognition. More information about the poster competition can be found at www.ahetems.org/pre-college/nssd/

REGISTRATION FEES & DEADLINES

There is **no registration fee**. The **deadline to pre-register is Friday, April 16, 2010.**

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TRANSPORTATION

Schools must schedule their own transportation for students and chaperones to and from the event. More information on bus drop off and pick up locations can be found at www.ahetems.org/pre-college/nssd/

ADA ACCOMODATIONS

If students require special accommodations for wheelchair access, or impaired hearing or vision, please indicate as such on the registration form and contact the AHETEMS office.

REGISTRATION PROCESS

Only classroom groups of students accompanied by a chaperone(s) may attend. No unaccompanied students may attend without a chaperoned group. Approximately 200 5th grade students and 200 8th grade students will be hosted. While there is no limit to the number of students from each school, our goal is to include a broad participation of various schools.

Chaperones only must complete the NSSD Registration Form and should collect the other required documents from their students and parents. Chaperones are strongly encouraged to register early with complete paperwork.

Registration is first-come, first-served. In fairness, holding reservations will not be accommodated.

All students must complete and submit the following forms:

- **NSSD Registration Form**
- **Photograph Release and Consent Form** – Complete and sign one form per student
- **Liability Release, Parent Permission and Emergency Contact Form** – Complete and sign one form per student
- **Student Demographic Form**

CONTACT INFORMATION

Mailing Address: AHETEMS Office
c/o 2010 El Paso NSSD
The University of Texas at Arlington
College of Engineering
Box 19019
Arlington, TX 76019-0019

Phone: (817) 272-1116

Email: ahetems@shpe.org

Fax Number: (817) 272-2548

Web site: www.ahetems.org

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TENTATIVE AGENDA *

Saturday, April 24, 2010

Expedition Earth and Beyond: Using Earth to Understand our Moon, Mars and Beyond

5th Grade Students

8th Grade Students

8:00 – 8:45 Registration

8:00 – 8:45 Registration

9:00 – 10:00 Presentation by NASA scientist

9:00 – 10:00 Presentation by NASA scientist

10:15 – 11:00 Display - Lunar Rock/Patch Competition

10:15 – 11:00 Planetarium – “Impact Earth”

11:15 – 12:00 Mars Bound

11:15 – 12:00 Mars Bound

12:00 – 12:30 LUNCH

12:00 – 12:30 LUNCH

12:45 – 1:30 Habitable Planet - Create an Alien

12:45 – 1:30 Mars Image Analysis

1:45 – 2:30 Strange New Planet

1:45 – 2:30 Strange New Planet

2:45 – 3:30 Alka-Seltzer Rockets

2:45 – 3:30 Lava Layering

3:45 – 4:30 Mystery Planet

3:45 – 4:30 Blue Marble-Planetary Comparisons

More information on the content of the activities can be found at www.ahetems.org/pre-college/nssd/

* The agenda is tentative and subject to change with respect to both times and activities. Please refer to the Web site for the most current agenda.

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STUDENT/CHAPERONE REGISTRATION FORM

SCHOOL & PRINCIPAL INFORMATION

(Please Print Legibly or Type)

School:			
School Phone Number:		School Fax Number:	
Mailing Address:			
City/State/Zip:			
Principal's Salutation:	<input type="checkbox"/> Dr. <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms.		
Principal Last Name:		First Name:	
Email Address:			

CHAPERONE'S INFORMATION (the AHETEMS Foundation requires at least one chaperon, over 21 years old, per 10 students.)

<input type="checkbox"/> Teacher <input type="checkbox"/> Counselor <input type="checkbox"/> Parent/Legal Guardian <input type="checkbox"/> Parent/Legal Guardian <input type="checkbox"/> Relative (at least 21 yrs old)	
Salutation:	<input type="checkbox"/> Dr. <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms.
Last Name:	
First Name:	
Gender:	<input type="checkbox"/> Male <input type="checkbox"/> Female
Daytime Phone:	
Cell Phone Number:	
Mailing Address:	
City/State/Zip:	
Email Address:	
Vegetarian:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Special Accessibility Needs:	

<input type="checkbox"/> Teacher <input type="checkbox"/> Counselor <input type="checkbox"/> Parent/Legal Guardian <input type="checkbox"/> Parent/Legal Guardian <input type="checkbox"/> Relative (at least 21 yrs old)	
Salutation:	<input type="checkbox"/> Dr. <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms.
Last Name:	
First Name:	
Gender:	<input type="checkbox"/> Male <input type="checkbox"/> Female
Daytime Phone:	
Cell Phone Number:	
Mailing Address:	
City/State/Zip:	
Email Address:	
Vegetarian:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Special Accessibility Needs:	

Please fax or mail the required information to be received by **Friday, April 16, 2010** to:

AHETEMS Office
 c/o 2010 El Paso NSSD
 The University of Texas at Arlington
 College of Engineering Box 19019
 Arlington, TX 76019-0019

817-272-1116 (Phone) • 817-272-2548 (Fax)

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STUDENT INFORMATION

(Please make additional copies of pages as needed)

First Name:		Last Name:	
Mailing Address:			
City/State/Zip:			
Phone Number:			
Gender:	<input type="checkbox"/> Male <input type="checkbox"/> Female	Grade:	<input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> Other: _____
Ethnicity (Select One)	<input type="checkbox"/> Central American <input type="checkbox"/> Cuban American <input type="checkbox"/> Mexican American <input type="checkbox"/> Puerto Rican <input type="checkbox"/> South American <input type="checkbox"/> Asian American <input type="checkbox"/> Black/African American <input type="checkbox"/> Native American <input type="checkbox"/> White/Anglo <input type="checkbox"/> Other:		
Special Accessibility Needs:		Vegetarian:	<input type="checkbox"/> Yes <input type="checkbox"/> No

First Name:		Last Name:	
Mailing Address:			
City/State/Zip:			
Phone Number:			
Gender:	<input type="checkbox"/> Male <input type="checkbox"/> Female	Grade:	<input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> Other: _____
Ethnicity (Select One)	<input type="checkbox"/> Central American <input type="checkbox"/> Cuban American <input type="checkbox"/> Mexican American <input type="checkbox"/> Puerto Rican <input type="checkbox"/> South American <input type="checkbox"/> Asian American <input type="checkbox"/> Black/African American <input type="checkbox"/> Native American <input type="checkbox"/> White/Anglo <input type="checkbox"/> Other:		
Special Accessibility Needs:		Vegetarian:	<input type="checkbox"/> Yes <input type="checkbox"/> No

First Name:		Last Name:	
Mailing Address:			
City/State/Zip:			
Phone Number:			
Gender:	<input type="checkbox"/> Male <input type="checkbox"/> Female	Grade:	<input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> Other: _____
Ethnicity (Select One)	<input type="checkbox"/> Central American <input type="checkbox"/> Cuban American <input type="checkbox"/> Mexican American <input type="checkbox"/> Puerto Rican <input type="checkbox"/> South American <input type="checkbox"/> Asian American <input type="checkbox"/> Black/African American <input type="checkbox"/> Native American <input type="checkbox"/> White/Anglo <input type="checkbox"/> Other:		
Special Accessibility Needs:		Vegetarian:	<input type="checkbox"/> Yes <input type="checkbox"/> No

PLEASE MAKE ADDITIONAL COPIES OF THIS PAGE FOR EACH STUDENT ATTENDING THE EVENT.

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LIABILITY RELEASE, PARENT PERMISSION AND EMERGENCY CONTACT FORM

I hereby state that I, _____, am the custodial
parent/legal guardian (please print)

parent or legal guardian of _____, a minor. I therefore, grant
student (please print)

permission for this student to attend/participate in any sponsored field trips or to attend any authorized activities as part of the 2010 El Paso NASA Space Science Day.

I understand that AHETEMS, the Society of Hispanic Professional Engineers, Inc. (SHPE), and other organizations and their affiliated staff will not be liable for any unauthorized leave by the above named student. I further understand that such unauthorized leave will be the responsibility of the student and the parent or the legal guardian as the signatory below.

I, _____, release and save harmless the academic host,
parent/legal guardian (please print)

AHETEMS, SHPE and any and all of their employees or volunteers from any and all liability for any and all harm arising to my son/daughter as a result of the field trips and/or activities, and waive any claims against them.

In the event of an emergency and if neither emergency contact can be reached; I, the undersigned, authorize AHETEMS to take any emergency medical measures deemed necessary for the care and protection of my child. This includes, if necessary, treatment by a physician, paramedic, and/or transfer to the hospital. I give permission for limited treatment for minor illness and/or injuries. In case of emergency, the student will be referred to the nearest medical facility for care at the expense of the parent or under insurance provided by the student's insurance.

Please indicate the name of the student's insurance provider _____

Students should immediately report any injury or illness symptom to the chaperone or AHETEMS. Failure to report such a condition would be the sole responsibility of the student, and AHETEMS or SHPE would not be held responsible in case the situation worsens.

In case of emergency, please contact the following:

Emergency Contact #1	Emergency Contact #2
Name _____	Name _____
Relationship _____	Relationship _____
Home Phone (____) _____	Home Phone (____) _____
Work Phone (____) _____	Work Phone (____) _____

Parent/Guardian Signature

Date

Name of Student (PLEASE PRINT)

____/____/____
Date of Birth

Age of Student

Name of School

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PHOTOGRAPH RELEASE AND CONSENT FORM

Name of Student: _____

Age: _____ School: _____ Grade: _____

I, _____ hereby, give permission to AHETEMS and the
Parent/legal guardian (please print)

Society of Hispanic Professional Engineers, Inc. (**SHPE**) to photograph my child,

_____, only during their participation in the 2010 El Paso
student (please print)

NASA Space Science Day. I further give permission to use their photographs and statements featuring their involvement in the 2010 El Paso NASA Space Science Day for AHETEMS and SHPE publication purposes during or after this event.

Parent/Guardian Signature

Date

Parent/Guardian Telephone: _____

Parent/Guardian Address: _____

Please note: When photographs or quotes are used in SHPE's publications a copy of the publication is sent to the school.

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STUDENT DEMOGRAPHIC FORM

What **GRADE** are you in? (circle one): 5 6 7 8

I am a: (circle one): Boy Girl

How **OLD** are you? (circle one): 9 10 11 12 13

Are you **Hispanic**? Yes No I don't know

The **NAME** of my **SCHOOL** is: _____

The **CITY** of my **SCHOOL** is: _____

My **MOM** graduated from high school? Yes No I don't know

My **MOM** went to college? Yes No I don't know

My **MOM** graduated from college? Yes No I don't know

My **DAD** graduated from high school? Yes No I don't know

My **DAD** graduated went to college? Yes No I don't know

My **DAD** graduated from college? Yes No I don't know

Do you have brothers or sisters in college? Yes No

Do you have brothers or sisters who graduated from college? Yes No

Do you pay lunch at school? Yes No I don't know

Do you have lunch tickets or meal card? Yes No I don't know

Do you like **MATH**: A Lot Some A little Not at All

Do you like **SCIENCE**: A Lot Some A little Not at All

Do you want to go to college? Yes No I Don't Know

What do you want to be when you grow up? _____

Have you come to a **SHPE** event before? Yes No I Don't Know