

October 1, 2011

To Whom It May Concern:

The Society of Women Engineers Houston Area Section (SWE-HA) would like to invite your middle/high school to participate in this year's Outreach activities. The following information refers to the 2011-2012 school year programs, awards, and scholarships that are sponsored by the Houston Area Section. All of these activities are intended to encourage young women to select careers in STEM (Science, Technology, Engineering, Mathematics). Activity descriptions and applications are included and should be copied and distributed to the appropriate counselors, teachers, and potential participants. This packet may also be found on the SWE-HA website at www.swehouston.org. The activities are listed below:

Program	Coordinator	Applicable Grades
Freshman Scholarship	Freshman Scholarship Chairperson FreshmanScholarship@swehouston.org	Grade 12
FIRST Scholarship	FIRST Scholarship Chairperson FIRSTScholarship@swehouston.org	Grade 12
Great Women in Science & Technology Essay Contest	Essay Chairperson essaycontest@swehouston.org	Grade 7
Certificates of Merit and Achievement	Marcha Thomas-Blades CertsofMerit@swehouston.org	Grade 6-12
Science Fair Campership	Science Fair Coordinator ScienceFair@swehouston.org	Grade 8-11

Please ensure that all rules and eligibility requirements be followed. Any questions can be made via the contact information listed above.

We encourage you to visit our website at www.swehouston.org for detailed information on Outreach educational programs for further information about the Society of Women Engineers' scholarships and events. All winners will be invited to an awards receptive tentatively scheduled for Saturday, April 21st, 2012.

Thank you for your cooperation. We look forward to recognizing your talented students!

Sincerely,

Danielle Kamel
VP Outreach
Society of Women Engineers – Houston Area
Email: VP_Outreach@swehouston.org



FIRST Scholarship Application Instructions

Requirements: Woman who is currently a high school senior, has competed in at least one FIRST (For Inspiration and Recognition of Science & Technology) competition, and must enroll as a freshman majoring in an Engineering discipline at an ABET accredited 4 year college or university.

Application:

- 1) **Completed and Signed “SWE Scholarship Application Form”**
- 2) **Transcript** – Official copy of applicant's high school transcript(s) showing grades for the entire enrollment in all high schools attended.
- 3) **Applicants Statement (max one page, typed, double spaced)** – This statement should explain why the applicant would like to be an engineer, what influences her to study engineering and/or explaining how she believes she will make a difference as an engineer.
- 4) **Letter of Reference (typed)** – covering items such as scholastic ability, general character, attitude, ambition, motivation and leadership characteristics. Applicants must submit ONE letter of reference from a high school instructor, mentor, counselor or employer, who is not a relative and has known the student during their academic studies.
- 5) **Resume** – updated resume including activities in high school.
- 6) **Optional** – include anything else you would like us to know such as any special achievements not already covered, unusual family circumstances, or any information which might be useful to us in considering your application. Please indicate the degree to which financial aid is required. (Note: This is not a judgment criterion, nor will it be used for or against any applicant. This information is purely voluntary).

Mailing Instructions: All above items are needed to apply. Photocopies are permitted. Please mail applications to:

FIRST Scholarship
Society of Women Engineers – Houston Area Section
P.O. Box 1355
Houston, Texas 77251-1355

F.I.R.S.T. COMPETITION INFORMATION

FIRST TEAM	
COMPETITION	
DATE	LOCATION

Deadline: Must be postmarked by March 1, 2012

Deadline: Must be postmarked by March 1, 2012

NOTE: PARTICIPATION IN A F.I.R.S.T. TEAM IS A REQUIREMENT FOR THIS APPLICATION.

NAME		
SOCIAL SECURITY NUMBER		
HOME ADDRESS		
CITY	STATE	ZIP CODE
HOME TELEPHONE NUMBER		
E-MAIL ADDRESS		
US CITIZEN ()	PERMANENT RESIDENT ()	NON US CITIZENSHIP ()

EDUCATION

NAME OF HIGH SCHOOL
HIGH SCHOOL GPA (MUST INCLUDE BASIS: e.g. 3.5 out of 4.0)
SUBJECT OF INTENDED COLLEGE MAJOR
INTENDED DEGREE
UNIVERSITY ATTENDING
UNIVERSITY ADDRESS

Certification: I believe that all of the information provided is true, complete, and correct to the best of my knowledge. I understand that such information is confidential and subject to verification by the SWE-HA Scholarship Committee.

Signature

Date

Freshman Scholarship Application Instructions

Scholarships Available: Scholarships sponsored by the Houston Area Section of the Society of Women Engineers (SWE-HA) will be awarded on the basis of merit to a qualified high school senior woman from a high school in the Greater Houston area who plans to major in an Engineering or Science discipline.

Eligibility: To be eligible applicants must meet the following qualifications: Be a woman who is currently a senior at a Houston Area High School (Harris, Fort Bend, Montgomery, Brazoria, Galveston, Liberty, Waller, Chambers, Austin, and San Jacinto counties).

Application: To be accepted for judging, an applicant must submit all of the following items:

Application:

- 1) **Completed and Signed “SWE Scholarship Application Form”**
- 2) **Transcript** – Official copy of applicant's high school transcript(s) showing grades for the entire enrollment in all high schools attended.
- 3) **Applicants Statement (max one page, typed, double spaced)** – This statement should explain why the applicant would like to be an engineer, what influences her to study engineering and/or explaining how she believes she will make a difference as an engineer.
- 4) **Letter of Reference (typed)** – covering items such as scholastic ability, general character, attitude, ambition, motivation and leadership characteristics. Applicants must submit ONE letter of reference from a high school instructor, mentor, counselor or employer, who is not a relative and has known the student during their academic studies.
- 5) **Resume** – updated resume including activities in high school; include name on every page.
- 6) **Additional Information** – If there is anything else you would like us to know about you, please include any special achievements not already covered, unusual family circumstances, or any information which might be useful to us in considering your application. Please indicate the degree to which financial aid is required. (Note: This is not a judgment criterion, nor will it be used for or against any applicant. This information is purely voluntary).
- 7) **Please answer:** Are you available for a summer internship? ____ yes ____ no
Do you have transportation? ____ yes ____ no

Note: All the above materials must be mailed in ONE ENVELOPE or PACKAGE and must be postmarked by **March 1, 2012**. Please put materials in the order as stated above and **bind with a staple**.

Mailing Instructions: No application will be considered that does not meet the above requirements. Use of photocopies is permitted. They should be addressed to:

Freshman Scholarship Chairwoman
Society of Women Engineers – Houston Area Section
P.O. Box 1355
Houston, Texas 77251-1355

SWE SCHOLARSHIP APPLICATION FORM

Society of Women Engineers – Houston Area Section

**Deadline:** Must be postmarked by March 1, 2012

NAME		
SOCIAL SECURITY NUMBER		
HOME ADDRESS		
CITY	STATE	ZIP CODE
HOME TELEPHONE NUMBER		
E-MAIL ADDRESS		
US CITIZEN ()	PERMANENT RESIDENT ()	NON US CITIZENSHIP ()

EDUCATION

NAME OF HIGH SCHOOL
HIGH SCHOOL GPA (MUST INCLUDE BASIS: e.g. 3.5 out of 4.0)
SUBJECT OF INTENDED COLLEGE MAJOR
INTENDED DEGREE
UNIVERSITY ATTENDING
UNIVERSITY ADDRESS

Certification: I believe that all of the information provided is true, complete, and correct to the best of my knowledge. I understand that such information is confidential and subject to verification by the SWE-HA Scholarship Committee.

 Signature

Date

Great Women in Science and Technology Essay Contest

Sponsored by Society of Women Engineers – Houston Section

Essay Finalists are due to SWE-HA by March 1, 2012

Objective:	To encourage 7 th grade female students interested in science and technology to consider engineering as a career.
Awards:	2 - Grand Prize Awards to attend 1 week at a Science Fair Camp (tuition and transportation expenses paid)
Eligibility:	7th grade female students in a Houston area school, who are U.S. citizens.
Deadline:	Each coordinator selects the six best essays from their school and sends them to SWE-HA Contact listed below.
SWE Contact:	CAMP ESSAY CONTEST Society of Women Engineers – Houston Area Section P.O. Box 1355 Houston, Texas 77251-1355 essaycontest@swehouston.org
Essay:	<p>Contestants must choose a woman from the list below, all of whom have made a significant contribution in science and technology. Include the woman's achievements and awards in recognition of her work, as well as the applicability and impact of her accomplishments on science and technology today.</p> <ul style="list-style-type: none">• Kalpana Chawla• Jane Marcet• Erna Schneider Hoover• Lisa Meitner• Virginia Apgar• Ercel Eppright• Hildegard von Bingen• Linda Sanford• Rosa Smith Eigenmann• Edith M. Flanigen• Gerty Radnitz Cori• Ellen Henrietta Swallow Richards
Requirements:	<ul style="list-style-type: none">- Approximately 800 words, typed and double spaced, student's own words- All references listed at the end (does not count in the 800 word count)- Proper grammar, sentence structure and spelling are strongly recommended- Proper writing style/ format (such as MLA or APA) is encouraged
Judging:	<ul style="list-style-type: none">- Six finalists will be chosen by each participating school.- Finalists will be judged by a panel of judges selected by the Houston Section of SWE during the month of March.- Winners will be notified in early April.- Essays will be judged on the basis of content organization, style and originality, grammar, spelling, punctuation, and presentation.

Please note: Women are from both past or current time periods!!!

Certificates of Merit and Achievement

The Houston Area Section of the Society of Women Engineers would like to invite your school administration to submit the names of two (2) students for certificates. This program was established to honor middle and high school women, who have completed three (3) years of science and mathematics with distinction. Certificates of Merit and Achievement may also be awarded for other outstanding accomplishments in math or science.

Please forward us your nominations on, or before, March 1, 2012 to the address listed below:

Certificates of Merit and Achievement
Society of Women Engineers – Houston Area Section
P.O. Box 1355
Houston, Texas 77251-1355

Nominations for Certificates of Merit and Achievement
Please submit one (1) form for each nomination!

Official School Name _____

Mailing Address _____

Person Submitting Name _____

Telephone Number _____ **Fax Number** _____ **Date** _____

E-Mail _____

Student's Name _____ **Grade Level** _____

Grade Point Average _____

Science Courses Taken or Being Taken:

Math Courses Taken or Being Taken:

Activities and Honors:

FY11 SWE SCIENCE FAIR CAMBERSHIP
Student Application Form (page 1 of 3)

The Society of Women Engineers (SWE) Science Fair Campership Program offers an opportunity for young women to attend Science Camp for one week. The scholarship includes transportation to and from camp, room, and meals. This program has been funded by industry and SWE internal grants. Its primary goal is to attract young women to engineering and science careers.

To qualify, young women must meet the following criteria:

- must be a student in grades 8 through 11 during the 2011-2012 school year
- must be a U.S. citizen
- must participate in a Science Fair at the local school, district, city, region, state, or national level during the 2011-2012 school year. Only Science Fair participation is required—ribbons or awards are not necessary.
- cannot be a previous recipient of the SWE Campership Program

To compete, you must submit a completed application and a letter of recommendation from a math or science teacher who is familiar with your science background. *Your application and the letter of recommendation must be returned to your local SWE contact.* If you would like more information about a career in engineering or science, please contact your local SWE Section.

Mailing Address for Applications:

Science Fair Campership
Society of Women Engineers – Houston Area Section
P.O. Box 1355
Houston, Texas 77251-1355
Email: ScienceFair@swehouston.org

Letter of Recommendation: Your application will not be complete without a letter of recommendation. It is your responsibility to have the letter submitted to your SWE sponsor. In the space below, include the name of the person whom you have asked to supply written comments. Your reference should be a math or science teacher familiar with your science background. Do not use relatives.

LETTER OF RECOMMENDATION FROM: _____

Parental Consent: There are several potential Camp sessions available during July and early August. Parents must agree that the student will be available for any session. **Winners will be notified by mid-June of their selection and of the dates available. Depending on the camp, a physical examination may be required before attending.**

My daughter may participate in the Science Fair Camp program sponsored by the Society of Women Engineers. She may be photographed/video taped for promotional purposes.

PARENT/ GUARDIAN'S SIGNATURE: _____ Date: _____

I certify that the information in this application is true, complete, and correct to the best of my knowledge. I understand that this information is confidential and subject to verification by the Society of Women Engineers. If I win a Campership, I agree to complete questionnaires sent to me by SWE once a year.

STUDENT'S SIGNATURE: _____ Date: _____

FY11 SWE SCIENCE FAIR CAMPERSHIP
Student Application Form (page 2 of 3)

TYPE OR PRINT ALL INFORMATION.

Date: _____

Do not write on back of application.

Student Name: _____

Address: _____ Apt.: _____

City: _____ State: _____ Zip: _____

Phone: (_____) _____ Age: _____

Current Grade: _____ (only grades 8-11 qualify)

Social Security Number _____ Date of Birth: _____

United States Citizenship: _____ Yes _____ No

How did you hear about the Science Fair Campership Program (teacher, school counselor, SWE member, etc.)?

School Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (_____) _____

STUDENT: Return this completed application to your local SWE sponsor by March 1, 2012, to

Science Fair Campership
Society of Women Engineers – Houston Area Section
P.O. Box 1355
Houston, Texas 77251-1355

FY11 SWE SCIENCE FAIR CAMBERSHIP
Student Application Form (page 3 of 3)

Student Name: _____

Date of Science Fair: _____ Award Received (if any): _____

Location of Science Fair: _____

Please provide the following information on your Science Fair Project on a separate sheet of paper: **(applications MUST follow this format)**

- Title
- Purpose
- Materials
- Procedure
- Conclusion

List extracurricular school activities in which you participate. Include any offices you hold and describe your role in each activity (member, chairperson, your responsibilities, etc.).

List community (church, civic, etc.) and family activities in which you participate. Describe your role in each activity.

List honors and/or awards you have received either in school or in the community.

Is there any additional information about you that you would like us to know about you? You may include special achievements or activities not covered elsewhere, hobbies, talents, or anything you believe might be useful to SWE in evaluating your application.

Please briefly tell us why you would like to attend the Science Fair Campership.

Deadline is March 1, 2012