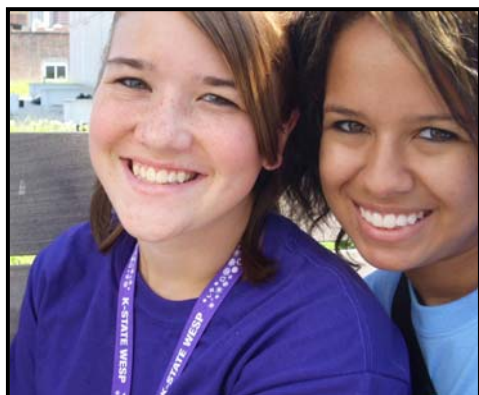




7th Annual EXCITE! Summer Workshop

Kansas State University
June 22-26, 2009



Sponsored by
K-State's
Women in Engineering &
Science Program
*Partnering with the Manhattan Area
Technical College*



About the Workshop

The EXCITE! Workshop is a five-day engineering, math, and science exploration event held on the Kansas State University campus in Manhattan, Kansas. It will feature hands-on activities led by K-State faculty, as well as industry tours geared toward the nine tentative workshop tracks:

- Bio-Fuels
- Computer Gaming Design
- Designing Spaces
- Green Roof Design
- Nano-Scale Polymers
- Robotics
- Take Flight!
- 24-Carat EXCITEMent

New this year! Participants will spend an entire day on the MATC campus doing hands-on activities in their welding, wood working and small engine labs.

Who Should Attend

The EXCITE! Summer Workshop is for girls who completed the 8th and 9th grades in May 2009.

Girls will be chaperoned at all times during their stay on campus by K-State undergraduate and graduate students who will serve as their mentors.



When

The EXCITE! Workshop will begin at 10:00 a.m. on Monday, June 22, 2009. Attendees should plan on arriving on the K-State campus by 9:00 a.m. on June 22 to allow time for room check-in. The workshop will conclude with a recognition ceremony in the afternoon on Friday, June 26, 2009.

Workshop Content

Program participants will gain valuable experience in the complete engineering design process, including brainstorming, designing, building, testing, and revising.

Additionally, interaction with professors and engineers in industry will allow the participants to gain insight into the engineering profession. The workshop emphasizes hands-on activities and team problem solving to engage girls in the opportunities available to them in the fields of science, technology, engineering, and mathematics.

EXCITE! Workshop – June 22-26, 2009 SCHOLARSHIP REQUEST

Need-based scholarships are available. A parent or legal guardian should complete this application if your daughter has financial need and wants to be considered for a scholarship. This information will not be shared with anyone outside the WESP office.

Name of parent or guardian

Number of children in family

1. I am requesting a scholarship in the amount of:

___ \$50 ___ \$100 ___ \$150 ___ \$200

2. Please check all that apply (In the descriptions listed below, **immigrant or immigrated refers to those with or without papers**):

___ My daughter participates in the reduced fee lunch program.

___ My daughter would qualify for the reduced fee lunch program but we choose not to participate.

___ My daughter's parents did not graduate from college.

___ My daughter is Latina.

___ My daughter is an immigrant.

___ One or more of my daughter's parents immigrated to the U.S.

___ One or more of my daughter's grandparents immigrated to the U.S.

___ My daughter will not be able to attend this event without financial assistance.

3. Please provide any other information you wish to share in helping us accommodate your needs. A short written statement is helpful. Use additional paper as needed.

Signature of Parent/Guardian

Date

[Signature indicates that all information is accurate to the best of your knowledge.]

EXCITE! Workshop June 22-26, 2009 REGISTRATION FORM

Last name First name

Home address

City State Zip

Home phone T-shirt size
(XS – XXXL adult sizes)

School name Grade completed May 2009

Name of parent or guardian**

Parent e-mail

Work phone number of parent or guardian

- _____ \$200 Registration Fee enclosed (**make check payable to K-State**) OR
- _____ \$150 Registration Fee enclosed as well as a completed scholarship request form OR
- _____ \$100 Registration Fee enclosed as well as a completed scholarship request form OR
- _____ \$50 Registration Fee enclosed as well as a completed scholarship request form
- _____ a completed scholarship request form

Assistance for Participants with Disabilities/Dietary Requirements

In order to assist you, please indicate any special requirements and assistance needed:

****In cases of joint custody, please list the parent/guardian who the child will reside with at the time of the workshop.**

Send to: EXCITE! Registration
Kansas State University
Division of Continuing Education
141 College Court Building
Manhattan, KS 66506-6015

Deadline: May 15, 2009



Registration Information

The registration fee of \$200 includes room and board, supplies, workshop materials, and a t-shirt. To register, complete the registration form in this brochure and return it with your check or money order and/or your request for a scholarship (if applicable) to:

**EXCITE! Registration
Kansas State University
Division of Continuing Education
141 College Court Building
Manhattan, KS 66506-6015**

Or fax your form to 785-532-2422. You may also call 1-800-432-8222 or go online at www.k-state.edu/excite to register.

Deadline is May 15, 2009. However, registrations will be accepted until the event is full. If a scholarship is requested, the appropriate form must be completed and sent in with your registration.



Registration is on a first-come first-serve basis; applications received after tracks are full will be added to a waiting list. If cancellations are received by a reasonable date,

substitutions will be made in the order in which the additional applications were received.

Registrants will be mailed a confirmation letter, receipt, permission forms, maps, and check-in information. The permission form **MUST** be returned to K-State by **May 15, 2009**.

If you must cancel your registration, do so as soon as possible. You may arrange for someone to take your place. To cancel or arrange a substitute, notify the Division of Continuing Education at 1-800-432-8222. Full refunds minus a \$10 processing fee will be granted only for cancellations received by June 5, 2009. Refunds cannot be given in amounts less than \$5.

Housing and Transportation

Program participants will be housed in dormitory rooms (double occupancy) at K-State. All meals from lunch on Tuesday to lunch on Friday are included. Snacks will be provided during the day and evenings.

Participants are responsible for their own transportation to and from K-State. Dormitories are within walking distance of on-campus activities; buses will be provided for transportation to the industry tours.

Tentative Track Descriptions

Participants will be placed in one of the following tracks for the workshop. Each track will be composed of 10-12 girls. You will sign up for tracks when you receive your confirmation letter. Assignments will be made on a first-come, first-serve basis.

Biofuels: Learn about how crops are turned into fuels. Then make your own biofuels from cotton, woodchips, and vegetable oil!

Computer Gaming Design: Learn how to create a computer game! By the end of the workshop, you will have a computer game written by you!

Designing Spaces: Experience some of the design issues encountered by an Architectural Engineer when you create your own model and incorporate structural elements, heating, and lighting into your model.

Green Roof Design: Follow nature's lead in storm water management. Design your own green roof to help capture and re-use rainwater!

Nano-Scale Polymers: Explore the nano-scale (SUPER small) structures used in drug delivery, artificial bones, intelligent sensors, and super-absorbent baby diapers! Prepare structures in the lab, and take ultra-high magnification pictures of your structure.

Robotics: Learn about what makes robots work and what they can do. Then build and program a robot to do jobs for you even when you're not there!

Take Flight! Explore the principles of flight and investigate how engineers have developed one of one of the safest modes of transportation--the airplane. Learn how engineers are revolutionizing the fuel efficiency of planes while making them faster and more comfortable! Use these techniques to design, build and test your own plane!

24-Carat EXCITEMent: In this activity you will get a chance to build, and test a nano-sensor all by yourself. Nano-sensors can detect minute quantities of explosives, bio-agents, chemicals, and other dangerous materials. You will work with nano-particles made of Gold!! You will convert these gold-nano-particles into a nano-sensor. EXCITED?



For additional information

Visit our website:
www.k-state.edu/excite
or contact Susan Arnold Christian
☎ 785-532-6152 ✉ susanac@k-state.edu