How to Apply?
High school Math and Science Teachers Engineering Education Workshop application process:
1. Download and complete the online application form.
2. Obtain a letter of recommendation from independent school districts.

Additional Info
- High school Math and Science Teachers must arrange their own transportation.
- Acceptance of applicant into the workshop assumes assure full attendance of high school math and science teachers engineering education workshop.
- The workshop for teachers will include the following topics:
  (i) Engineering profession,
  (ii) Engineering Education for 21st century.
  (iii) MATLAB software demonstrations of with engineering applications.
  (iv) Applications of geometry in engineering.
  (v) Applications of calculus in engineering.
  (vi) Laboratory experiments to obtain insights in applications of algebra, geometry and calculus in engineering, and,
  (vii) Using technology to engage their students.
  (viii) Applications of algebra in Engineering.

Who Should Apply?
- High School Math and Science Teachers that are recommended by independent school districts.
- Intend to stay the five day workshop.
- The high school math and science teachers’ workshop will last five days, and each teacher will be paid a stipend of $1200.00 to attend the workshop.

For registration forms please contact:
Department of Electrical and Computer Engineering
Phone: 936.261.9910
Email: ece@pvamu.edu/2615.asp

Teachers interested in becoming involved in Math and Science Teachers Engineering Education workshop should submit Philosophy on education to:
Dr. Warsame H. Ali
Principal; Investigator and Program Director
Whali@pvamu.edu

Program Dates
- Application Deadline May 15, 2010
- Program Dates: June 28-July 2, 2010: July 26-July 30, 2010

Engineering Education Workshop for Teachers (EEWT)

ELETRICAL and
COMPUTER
ENGINEERING
DEPARTMENT

Prairie View A&M University
A MEMBER OF THE TEXAS A&M UNIVERSITY SYSTEM

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Benefits of the Workshop

This Workshop provides an opportunity for exchange of information and ideas among high school math and Science teachers and acquaints counselors with engineering related materials which they can use in their schools. It also provides a network and a recruitment resource for potential engineering students. High school students need to be motivated and encouraged by their parents and counselors to stress the development of strong math, science and problem solving skills while in school, to be able to successfully pursue Electrical and Computer engineering degrees in college.

Engineering Areas

- Electrical Engineering
- Chemical Engineering
- Computer Engineering
- Civil Engineering
- Petroleum Engineering
- Nuclear Engineering
- Mechanical Engineering

What about Matlab?

MATLAB is a computer program that can be very helpful in solving the sorts of mathematical problems you will frequently encounter throughout your engineering or technology coursework. It is a program that was originally designed to simplify the implementation of numerical linear algebra routines. It has since grown into something much bigger, and it is used to implement numerical algorithms for a wide range of applications.

Program Highlights EEWT

This is a five day workshop for math and science teachers, male and female. Math and science teachers admitted to the workshop will help them to understand engineering, and applications of mathematics in engineering that the teachers might use in their classrooms to excite students interest in engineering.

EEWT Workshop

The mission of the EEWT Workshop is to provide the teachers resources that the teachers might use in their classrooms to excite students interest in engineering. The workshop includes: (i) real hands-on experiments using Infinity tool kit, Lego robots and sensor technology experiments (ii) application of Algebra and Trigonometry, and Calculus I in Engineering. They will also serve as an important link in recruiting student to pursue engineering, mathematics, science, and technology.