

Sessions Offered On: 11/03/2009

Career Sessions 1 & 2 -9:30-10:05AM & 10:15-10:50AM

A. Electrical Engineering

Students will learn about what an Electrical Engineer does and all of the career opportunities for women with EE degrees. Students will have the opportunity to have hands-on with some of the tools, drawings, and components used by an Electrical Engineer to support the operation of a Power Generation facility.

B. Bacteria Everywhere!

Students will do hands-on experiments relating to where bacteria is found in the environment. Students will observe and learn about how bacteria are grown and identified in a lab situation.

C. How do you take Science, Technology and Psychology and Turn it In To a Career

Do you enjoy knowing how the human brain works? Enjoy helping and working people? Love technology, but don't want to sit in a room and program code all day long? Learn what it means to be an Instructional Designer and how this field combines these interests and passions into a fun and fascinating career!

D. Veterinary Medicine

Learn about a career in veterinary medicine. Hear what a normal day for a small animal veterinarian is like and learn about some of the requirements for becoming a veterinarian. Also, learn about other jobs veterinarians can do besides traditional practice.

E. Chiropractic Health

In this session we will cover the basics of what chiropractic is, what chiropractors do and how to become a chiropractor. It will also open up your eyes to how different a career in health can be when it's not centered around medications and operating rooms. Instead chiropractors can become the key to a patients health by guiding them to natural health and wellness.

F. Women in Engineering: Where Can it Take You?

Learn about the different field of engineering and the career opportunities around the world! This career can take you anywhere you want to go.

G. Women in Pharmacy: Unlimited Possibilities

Learn about the skills required to become a pharmacist and what opportunities are available once you have your degree.

H. Be a Habitat Doctor

Find out what it takes to turn land from junk to a thriving habitat.

Career Sessions 3 & 4 11:00-11:35AM & 11:45-12:20AM

A. What Does a Conservation Officer Do?

If you are self-motivated, like the outdoors, and enjoy working with people and natural resources a career in conservation may be for you --- Or, maybe not? Come and get some ideas and information.

B. Great Opportunities in Nutrition, Food and Dietetics

I loved science and health and helping people... I loved food... I didn't like blood! This is why I chose a health career in dietetics! Learn about the many exciting career opportunities related to Nutrition, Health and Food.

C. Candles to Pop: A Zillion Uses for Soybeans and Corn

Iowa leads the nation in corn and soybean production. Learn more about the many uses for corn and soybeans and how scientists are discovering even more ways to use Iowa's products

D. What Does an Interpretive Naturalist Do?

If you like being outdoors exploring the world around you, are curious about how the environment works, enjoy using your mind to solve problems and want to do work that is important to society, you should consider becoming a naturalist. Naturalists plan, develop, coordinate and present environmental educational and interpretive programs.

E. The Reality of Crime Scene Investigation

The work done by a crime scene technician varies from day to day. From routine to exciting, gory to gratifying, there is rarely a dull moment. This session will give a glimpse of what it is really like to work in Forensic Science.

F. Designing the Spaces Where People Live, Work, and Play

In this session you will learn about what qualifications are required to design a building, and explore how a career in Architecture uses space, scale, texture, and color as tools for good design.

G. What You Should Know About Computer Security

Deb will provide information about what adults should know about security issues and computer use. (*Session for Parents and Educators Only*)

H. Women in Medicine

What does it take to be a physician? Learn about the paths you can take to get into the medical field. Find out what kind of opportunities there are for women in the medical field, including anything from obstetrics to clinical practice, international medicine and caring for hospitalized patients.

Hands-On Activities (Session 5) --- 1:00-2:00PM

A. There is DNA in my food?

Students will do a hands on activity that demonstrates that DNA is naturally in our food, by using common household chemicals to extract DNA from strawberries. While we do the activity we will talk about the many ways that DNA is analyzed and manipulated for forensics, genetic counseling, and genetic engineering.

B. From Designs to Desserts: Wells Dairy Engineering

Students will make homemade ice cream as they learn about the roles of a plant and packaging engineer at Wells' Dairy. Students will also learn about the basics of designing a production line and will have the opportunity to imagine one of their own.

C. Girl, You're Golden! (Mathematics)

Discover how ratios, Fibonacci, and your head are related .. And how they make you beautiful!

D. Hands-on Nutrition

Learn what a professional in the area of nutrition might do in their job. You may be surprised!

E. Biofuel Blast

As our nations grapples with important environmental issues such as global warming, sustainability and energy independence, "biofuels" are at the forefront of the discussion of alternative energy sources. "Biofuel Blast" will help youth understand and engage in the important environmental issues our global community faces together, and the opportunities available for a greener tomorrow.

F. Lean Manufacturing: Molding Today's Society

Explore careers in Manufacturing & Industrial Engineering. Learn the process of manufacturing even simple products. Students will be involved with a hands-on manufacturing activity.

G. Supporting Young Women as They Explore STEM

This research and resource-based session will review what we know about attracting women to engineering (and other math and science field) fields and review some of the expanding inventory of great resources available today. You'd leave with some ideas to help make a difference! *(Session for Parents and Educators Only)*

H. Environmental Health is All Around You

Learn about how the environment plays an important part in everyone's health, from the food we eat, to the homes we live in, and more! Hear about career opportunities in this important branch of public health.

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