

- Youth Development & Agricultural Education
- Aeronautics and Astronautics
- Agricultural & Biological Engineering
- Agronomy
- Animal Sciences
- Botany and Plant Pathology
- Entomology
- Food Science
- Foods and Nutrition
- Horticulture and Landscape Architecture
- School of Veterinary Medicine

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PURDUE AGRICULTURE

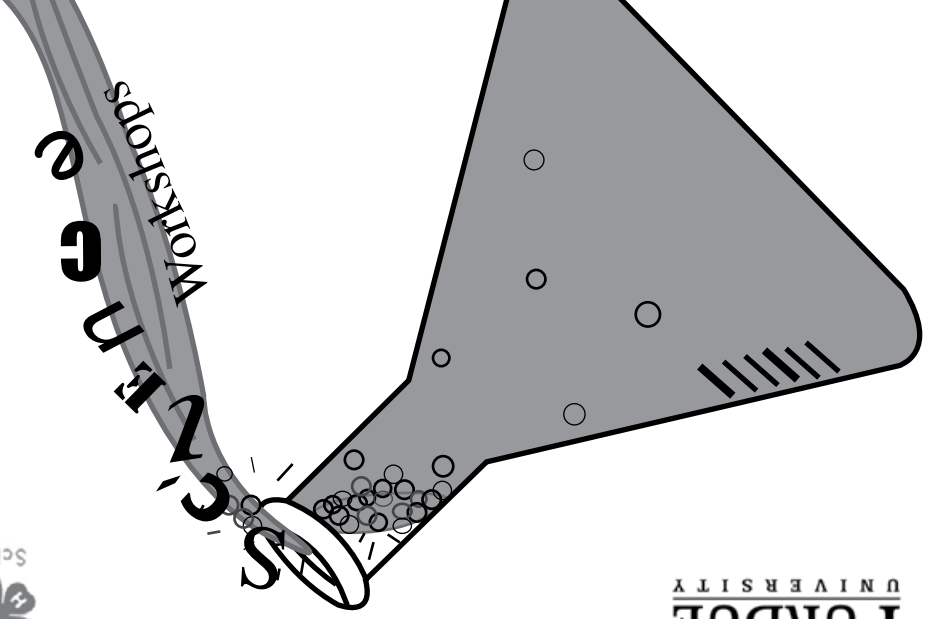
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June 10-12, 2009
 Purdue University
 For High School Students




 Science

Workshops

For High School Students

June 10-12, 2009

Purdue University

Department of Youth Development and
Agricultural Education**Aerospace Science Workshop**

Build model rockets and planes, take a ride in a small airplane, and talk to an astronaut by phone as you learn about the principles of flight and career opportunities. (Limited to first 50 applicants.)

Cost: \$160*

Ambassador Workshop

Learn to be a spokesperson for your local 4-H Youth Program through news writing, public presentations and radio. A special track will be available for youth interested in promoting 4-H Shooting Sports.

Cost: \$160*

Animal Science Workshop

Join us for hands-on learning experiences dealing with the science of aquaculture, beef, dairy cows, goats, horses, poultry, rabbits, sheep, swine, Veterinary Science, and other animal species. Visit with Purdue University faculty about educational and career opportunities. (Individual workshops are limited to 40 participants. If more than 40 applications are received, participants will be selected based on representing a variety of counties and date of application receipt.)

Cost: \$160*

Engineering Science Workshop

Investigate Agricultural & Biological Engineering, Civil Engineering, and Electrical Engineering. Your team will design, build, and compete with other teams in a mousetrap-powered vehicle race. Tour the engine plant of Caterpillar, Inc., and spend time with Purdue faculty. (Limit: 60 applicants.)

Cost: \$160*

Food Science and Nutrition Workshop

Work with Purdue faculty in their laboratories to find out how corn is processed to make cheese puffs, why juice in juice boxes doesn't spoil, and how low-calorie food is made.

(Limit: 75 applicants.)

Cost: \$160*

Plant Science Workshop

Participants will engage in classroom, lab, and outdoor fun- all while interacting with and learning from world class horticultural, agronomical, and forestry professionals at Purdue University. Hands-on activities include topics such as plant propagation methods, grafting, flower arranging, fruit/vegetable/ornamental crops, forestry, soil science, and genetics.

(Scholarships for youth and teachers are available.)

Cost: \$160*

Computer Science Workshop

Choose one of two tracks:

- FLASH: Add action to your homepage.
- 3-D Modeling: Turn flat, boring graphics into 3-D images that appear to jump off the screen. (Limit: 25 applicants in each of the 3 tracks.)

Cost: \$160*

Entomology Workshop

Learn all about insects from Purdue Entomologists in the classroom, the laboratory, and in the field.

Cost: \$160*

Mission to Mars

A new workshop to introduce students to the complex issues of traveling to and living on Mars. Hands-on activities are based on current research being done at the NASA. Students will learn about plant growth, ecosystems, recycling, food production, and Mars habitats. For example, students will participate in activities to learn how to clean grey water or to investigate how much 'stuff' you will really be able to carry on your trip to Mars.

Cost: \$160*

Who can come?

Youth who will be in high school on January 1, 2009. All youth welcome. You do NOT have to be a 4-H member to participate.

Where will you stay?

High School students attending the Science Workshops will spend two nights on Purdue's campus in a college dormitory.

What will you do?

- Explore careers.
- Take part in recreational activities.
- Meet Purdue faculty and youth from across Indiana.

Registration

For an application and information, contact your county Extension 4-H Youth Educator. Find the address and phone number of your local Extension office at www.ces.purdue.edu/. Click on Search (upper right hand corner) and see the link to county offices under Search Staff.

*Cost includes registration, housing, and most meals.