Who: Students currently in high school; are not required to be enrolled in 4-H

What: Learn about the science of & careers related to animals, plants, food, computers, engineering, aerospace, robotics, renewable energy & personal finance; interact with Purdue faculty & industry professionals; meet new friends from across IN

When: June 12-14, 2013

Where: Purdue University; spend two nights in a college residence hall

How: Applications are due by May 15, 2013. For an application/information, contact your county Extension 4-H Youth Educator. Go to http://www.extension.purdue.edu under “County Offices” to find contact info for your county Extension office.

Cost: $180, includes registration, housing and meals

Aerospace: Build model rockets and planes, take a ride in a small airplane, experience a flight simulator and talk to staff and faculty as you learn about the principles of flight and career opportunities. Limit: 50 participants

Food Science and Nutrition: Join Purdue faculty in their laboratories to find out how corn is processed to make cheese puffs, why juice in juice boxes does not spoil, how low-calorie food is made, and how the look of food affects your taste perception. Limit: 50 participants

Robotics: Trash, trash, trash everywhere! We need reinforcements. Your challenge, should you accept it, is to build a robot that can save the world from trash by helping us recycle our waste. We need you and your mind to solve this growing problem. We look forward to having you on our team!

NEW Renewable Energy: Hands-on experience with cutting edge renewable energy technologies like biofuel and biochar production and wind turbine experimentation with exciting field trips to renewable energy destinations. Limit: 15 participants

Computer Science: 1) Flash: Add action to your home page; 2) Software Engineering: Develop an iPhone application to keep track of your expenses. Limit: 25 participants per track

Animal Science: Hands-on learning experiences dealing with science of 1) beef; 2) dairy; 3) goats; 4) horses; 5) poultry; 6) rabbits; 7) sheep; 8) swine; 9) large animal vet; 10) small animal vet. Visit with Purdue faculty about educational and career opportunities. Limit: 30 - 50 participants per species

NEW Show Me the Money: Learn the essentials of financial management from the best network of financial professionals in the state. Experience a full day of Where Does Your Money Go® adventures at vendor locations in Lafayette. Come away with new tools to make your financial goals become a reality! Limit: 15 participants

NEW Renewable Energy: Hands-on experience with cutting edge renewable energy technologies like biofuel and biochar production and wind turbine experimentation with exciting field trips to renewable energy destinations. Limit: 15 participants

Engineering Science: Investigate agricultural & biological engineering, civil engineering, and electrical engineering. Your team will design, build, and compete in a mousetrap-powered vehicle race. Tour labs and spend time with Purdue faculty. Limit: 50 participants

PINE (Plants, Insects, Natural resources and Environment): Work with Purdue faculty and staff to learn about plants, insects, bioenergy, and other natural resources. You get to choose from a variety of 4-H project areas: beekeeping, crops, entomology, floriculture, forestry, geology, lawn and garden, plant science, small grains, soil and water conservation, weeds, weather, and wildlife. Note: Project areas offered will vary annually, depending on instructor availability.
Are you interested in...

Biology, livestock management, DNA, natural resources, biotechnology, food safety, computers, public health, renewable energy, animal welfare, chemistry, recycling, aerospace, breeding and genetics, animal behavior, plants, robotics, companion animal science, insects, food science, environment, human or veterinary medicine

...then this is for YOU!

Sponsored by Purdue Departments of

- Youth Development and Agricultural Education
- Agricultural and Biological Engineering
- Agronomy
- Animal Sciences
- Botany and Plant Pathology
- Consumer Sciences and Retailing
- Entomology
- Food Science
- Forestry and Natural Resources
- Horticulture and Landscape Architecture
- Nutrition Science

And by Purdue Colleges/Schools of

- Aeronautics and Astronautics
- Civil Engineering
- Electrical and Computer Engineering
- Technology
- Veterinary Medicine