



Go Green with 4-H!

Are you a youth engineer?

Discover your inner scientist through fun, hands-on activities that will challenge your mind and creativity. On Tuesday, April 22nd, Alamance County 4-H in collaboration with Orange County 4-H will host a TechXcite day camp for youth ages 10-15. TechXcite is a middle-school aged engineering curriculum that is being developed at Duke University's Pratt School of Engineering. The curriculum offers a rich and vibrant exploration of engineering, mathematics, science and technology. Participants will explore the Rainwater Harvesting and Solar Car Discovering Engineering modules.

RAINWATER HARVESTING

The "RAINWATER HARVESTING" module introduces youth to rainwater collection systems by looking at how rainwater is collected, how the roof works to protect a home, and water purification systems. At the end of this module, each pair of students will have a better understanding of surface tension, capillary action, and how soil filters water.

SOLAR CAR

The "SOLAR CAR" module introduces kids to ways in which solar panels may be used to generate electricity through the design of a solar car. In this module, kids explore how solar panels generate electricity in different lights by measuring the maximum voltage they can create. Then, they apply this knowledge in building and optimizing a small solar car.

Space is limited to 18 participants and registration is free.

Attendees are asked to bring a bag lunch, as lunch will not be provided. To register, contact the Alamance 4-H Agent at efbain@ncsu.edu or (336) 570-6740.

Tuesday, April 22nd, 2014

Alamance Cooperative Extension

209-C N. Graham Hopedale Rd.
Burlington, NC 27217

9am-4pm

(336) 570-6740