ESF SCIENCE

Summer Camps Investigating Ecology in Neighborhood and City Environments

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Photos by David Williams, Josh Szwed and others

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What is ESF SCIENCE?
http://www.esf.edu/outreach/esfscience/

Summer science program that features:

- A focus on urban ecology
- Fun environmental games and activities
- Conservation stewardship projects
ESF SCIENCE Host Partners: A Community Partnership Approach

...and several community partner organizations
ESF Science Corps

http://www.esf.edu/outreach/sciencecorps/default.htm

- Campus-based, in-school, workplace and field-based STEM learning and professional development experiences for middle and high school students and teachers

- ESF Undergraduate, Masters, & PhD students link ESF research to students
Engage Syracuse City Youth

- Games with environmental themes
- Keep them moving!

“Pollution Relay and Long Haul”
And on the water too!

Onondaga Lake and Beaver Lake Nature Center
Challenging young minds!

Professor Emanuel Carter and graduate student David Williams from SUNY-ESF
Creating an outdoor classroom

Improving neighborhoods through urban planning

Bird feeder experiments
Direct contact with ecosystems and nature!

Memories and impressions that last a lifetime!
Improving neighborhoods

Community service learning through park clean-ups
Improving the environment

Wood duck conservation and building of nesting boxes with the CNY Wildfowlers
Protecting our resources

Assessment of water quality using macroinvertebrates
Learning and having fun!

Introduction to fly tying and casting with the Iroquois Chapter of Trout Unlimited
A visit to SUNY-ESF campus

Activities include a tour of the greenhouses, paper making, and enjoying ice cream created by freezing with liquid nitrogen.
The results?

Many happy faces!

http://www.esf.edu/outreach/esfscience/
Nearly 300 Syracuse City School District 7th & 8th grade students on ESF’s campus for a science fair and career exploration opportunity!
The Environmental Challenge encourages:

- Student projects that support and extend the 7/8th grade science curriculum
- Student research, scientific inquiry, and critical thinking
- STEM career exploration and role modeling
- Students to explore and understand the urban environment and its relationship to the global environment
- Eligible students to participate in the Greater Syracuse Scholastic Science Fair
Environmental Challenge Continued

- **Dave Eichorn**
  Meteorologist, News Channel 9
  Featured Speaker

- **Dan Lowengard**
  Superintendent, SCSD

- **Christine Vogelsang**
  Deputy Superintendent, SCSD

- **Van Robinson**
  Common Counselor, Syracuse
ESF in the High School

http://www.esf.edu/outreach/sciencecorps/default.htm

School/college partnership program enabling qualified students to:

- Experience college-level course work
- Understand relationship between energy & the environment
- Learn about/explore career opportunities in STEM
ESF Outreach
Serving New York State and the world since 1911

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