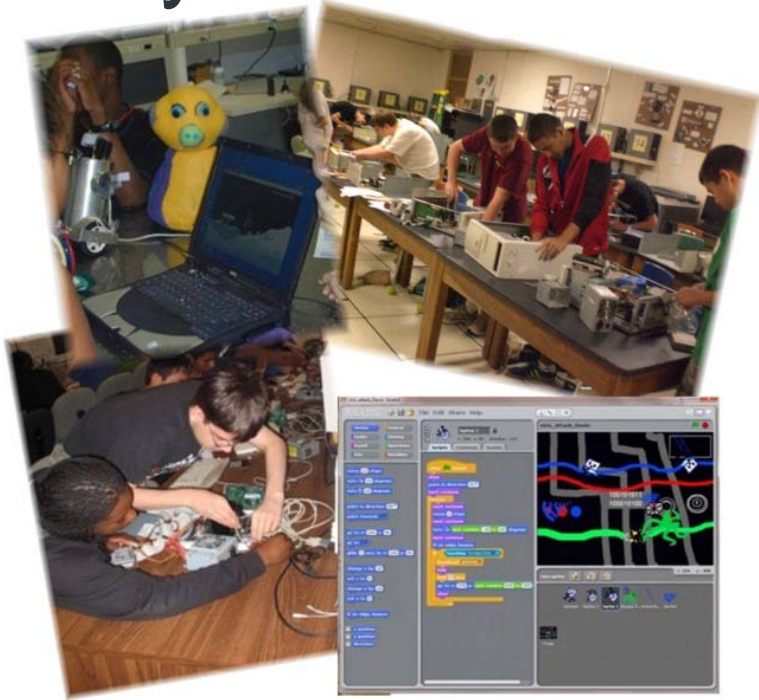


# Cyber CAMP



# CyberFUN

**Northern Virginia Community College**  
**Alexandria Campus**  
Room 477 in the Bisdorf Building

Dates: August 12-August 16, 2013  
9:00 am – 2:00 pm  
Monday – Friday

Cost: \$200

Registration Deadline June 1, 2013

<http://www.edtechpolicy.org/cyberk12/YoungScholars/index.html>

## Expectations:

- Come prepared to learn and have fun
- Exhibit appropriate classroom behavior
- Follow NVCC Acceptable Use Policies

Transportation and Meals are NOT Provided

## HANDS-ON

### PROGRAMMING, GAMING AND MODELING

MicroWorlds Scratch SketchUp Alice  
Build your own Game and Simulation.  
Program a robot to respond to a cyber  
attack

### DIGITAL FORENSICS

*Try your hand at CSI*

### SYSTEM VULNERABILITIES

*How secure is your computer accounts?*

### CYBERETHICS, CYBERSAFETY, CYBERSECURITY

Security Clearances Computer Ethics  
*How safe and secure are your practices?*

### CRYPTOGRAPHY

Steganography Encryption Decryption  
*Break the Code*

### PROJECT MANAGEMENT

Design, Schedule, Staffing, Resources,  
Deliverables  
*Respond to a Request for Proposal*

## Linking Research to Practice - Cybersecurity & STEM Hands-on Experience

### Hands-On Cyber Activities

This experience provides hands-on activities focused on STEM and the field of Cybersecurity. Attendees will learn and apply basic concepts of programming, forensics, cryptography, and project management from a series of gaming, modeling, and simulation activities, which explore the interconnections of science, math, technology, and computers.

### Field Trips and Speakers

Includes speakers discussing and sharing cutting edge technology and the requirements for careers in computer security, digital forensics, and other STEM based fields. The importance of identity management and a description of the security clearance process will describe their importance in obtaining jobs in today's market.

