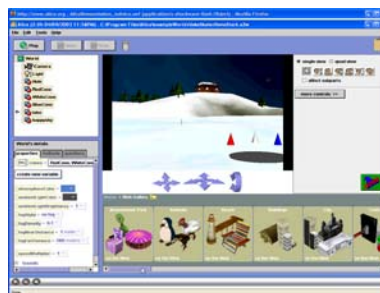


Summer 2009
July 13 - July 24, 2009
North County High School

July 27 - August 8, 2009
South River High School
8:00 AM - 3:00 PM



Information Assurance/Computer Security/Digital Forensics: Young Scholars Program

High school IS/IA/DF Scholars gain valuable skills related to digital literacy while exploring career opportunities related to Computer Security, Information Assurance, and Digital Forensics. Investigate the design and use of games and simulations for educational purposes, and the research and development issues associated with each. Experience various modeling and simulation software packages (MicroWorlds, Excel, Scratch, and StarLogo).

Participants will engage in hands-on activities and learn about digital literacy (technology fluency and applications, team building, collaboration tools, problem based critical thinking), defending against viruses, Trojan Horses, and worms; and applying basic security concepts through gaming, modeling and simulation development, while investigating exciting careers that interconnect the fields of science, math, technology, and computer security. Students will also discuss such topics as cryptography, system vulnerabilities, and careers in computer security/digital forensics, and will learn more about security clearance processes and identity management strategies. Tours of local labs will be conducted, and students will have the opportunity to hear from a variety of speakers from state and federal agencies and local security companies.



- Explore various modeling and simulation software packages (MicroWorlds, Excel, Scratch, and RoboLab)
- Create an Animated Story & Interactive Game/Maze with MicroWorlds
- Learn more about careers in IA/IS and Digital Forensics & Security Clearance Processes
- Develop an Interactive Educational Mini Simulations with Excel and Scratch
- Develop Digital Forensics and Cryptography Skills through activities and exercises



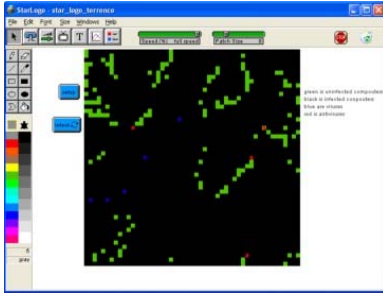
Tentative Field Trips & Speakers:

- FBI Digital Forensics
- NSA/NG
- Edgewood Chemical Biological Center
- Maryland Internet Crimes Against Children Task Force
- CyberWATCH
- National Electronics Museum

For More Information:
Davina Pruitt-Mentle
410 531 3910
dpruitt@umd.edu

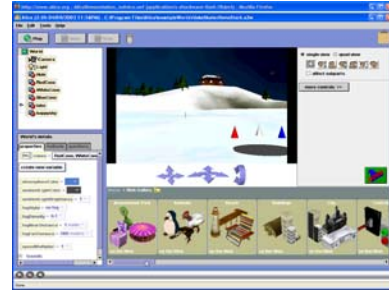
Karen Fowler
(AACPS coordinator)
443 603 7754
kfowler@aacps.org





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(Students are responsible for their own transportation and lunch)

***Information Assurance/Computer Security/Digital Forensics:
 Young Scholars Program***



Program Location: _____

Student Name (Last name, First Name, MI) : _____

Street Address: _____

City, State, Zip Code: _____

Parent/Guardian (Last name, First Name) : _____

Home Phone: _____

Parent/Guardian Work/Cell Phone: _____

Parent/Guardian Email Address if available: _____

Emergency Contact (Last Name, First Name): _____

Emergency Contact Home Phone: _____

Emergency Contact Work/Cell Phone: _____

 Signature of Student

 Date

 Signature of Parent/ guardian

 Date

PLEASE RETURN THIS FORM TO
Karen Fowler
Advanced Studies and Programs Resource Teacher
2644 Riva Road, Annapolis, MD 21401