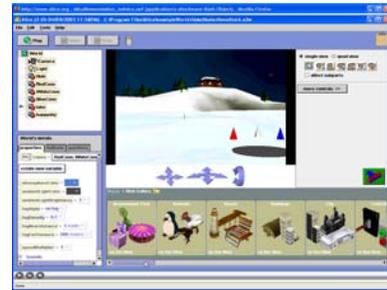


**Summer 2008**  
**July 28- August 8, 2008**  
**8-12:00 AM**  
**Joppatowne High School**



**A \$75 deposit is required per student.**  
**Upon course completion, the deposit will be returned in full.**

### **Computer Security/Digital Forensics: Young Scholars Program**

High school CS/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 be given an opportunity to open, examine and install hardware components of a personal computer. Students will also gain basic knowledge of a computer operating system. Students will also discuss such topics as cryptography, system vulnerabilities, and careers in computer security/digital forensics. 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 StarLogo)
- Create an Animated Story & Interactive Game/Maze with MicroWorlds
- Learn more about careers in IA/IA and Digital Forensics
- Develop an Interactive Educational Mini Simulations with Excel, Star Logo and Scratch
- Develop Digital Forensics Skills through activities and exercises

For more about the course: syllabus, standards met, past products, course outline visit:  
<http://www.edtechpolicy.org/YoungScholars/2007/YSP2007.html>



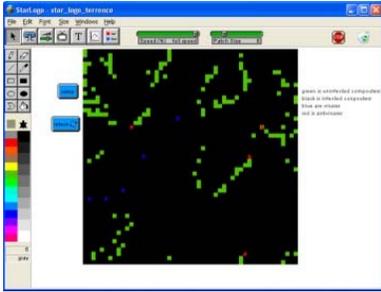
**Tentative Field Trips & Speakers:**

- FBI Digital Forensics
- Edgewood Chemical Biological Center
- Maryland Internet Crimes Against Children Task Force
- CyberWATCH

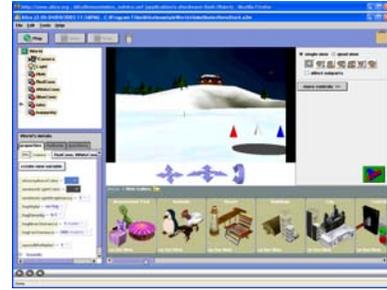
**For More Information:**  
**Davina Pruitt-Mentle**  
**410 531 3910**  
[dpruitt@umd.edu](mailto:dpruitt@umd.edu)

**Leah Beaulieu**  
**(JHS coordinator)**  
**410 612-1510**  
[Leah.Beaulieu@hcps.org](mailto:Leah.Beaulieu@hcps.org)





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**8-12:00 AM**  
**Joppatowne High**  
**School**



(Transportation to and from JHS must be provided)

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



**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 MS. BEAULIEU ASAP.**  
**STUDENTS WILL BE ADMITTED ON A FIRST COME, FIRST SERVE BASIS.**