Attention
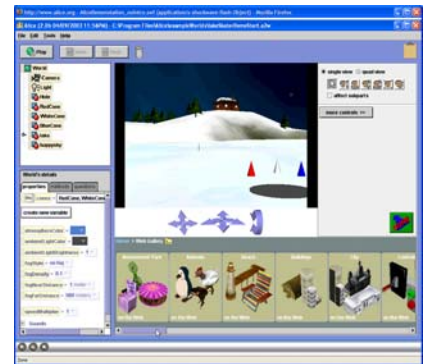## Rising Junior-
Senior Students

You are invited to participate in a special program sponsored by the National Science Foundation:

Young Scholars Program:
Information Assurance, Information Security
and Digital Forensics

When: M-F June 30 –July 18, 2008
No Class July 4th
Time: 8am-1:00 pm
Where: Applied Research Lab
Cost: none
(you must provide your own transportation)
(Morning and afternoon snacks provided. Bring your own lunch recommended)
Note: This program is limited to 18 students.

Students will engage in hands-on computer 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 information assurance/digital forensics. Tours of local labs, NIST and NSA 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, GoogleSketchUp and RoboLab)
- Create an Animated Story & Interactive Game/Maze with MicroWorlds
- Develop an Interactive Educational Mini Simulations/Games with Excel and Star Logo
- Designing, build and program a cybernetic devices with ROBOLAB
- Develop a computer animation using a 3D model

7 Internships are available through NSF (National Science Foundation) funding and will be arranged based on the **students' interest (as related to IA/IS/DF) and success** in the IA/IS/DF course. An attempt will be made to arrange for internships close to the students place of residence.
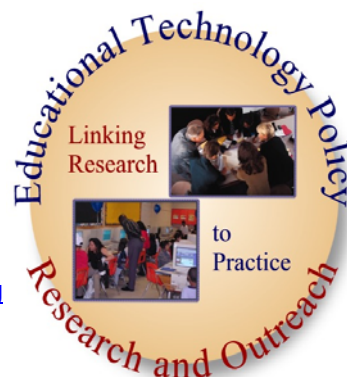
Tentative Field Trips & Speakers:

- **NIST National Institute of Standards & Technology**
- **NSA Cryptologic Museum**
- **National Center for Missing and Exploited Children**
- **Maryland Internet Crimes Against Children Task Force**
- **CyberWATCH**

For More Information:
Davina Pruitt-Mentle
(NSF PI/YSP Coordinator)
410 531-3910
dpruitt@umd.edu

Rick Marquart
Richard_Marquart@hcpss.org
410-313-7009

_____
Student Last Name   Student First Name   Middle Name

_____
          Street Address   Town   State   Zip Code

_____
Parent/Guardian Last Name   First Name

_____   _____
Home Telephone Number   Parent/Guardian Work Phone and/or Cell Phone Number

_____
Emergency Contact Last Name   Emergency Contact First Name

_____   _____
Emergency Contact Home Telephone Number   Emergency Contact Work Phone and/or Cell Phone Number

Parent E-mail Address, if available: _____

_____   _____
Signature of Student   Date

_____   _____
Signature of Parent/ Guardian   Date

→ **PLEASE RETURN THIS FORM *DIRECTLY* TO HCPSS STEM OFFICE**