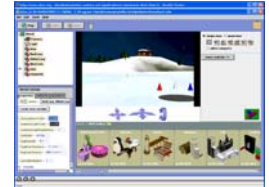# ATTENTION: All 4th and 5th Graders
After School STEM Mindtools Program

When: Mondays- 2/2, 2/9, 2/23, 3/2,
3/9, 3/16, 3/23, 3/30, 4/20 4/27

Time: 3:30-5:00 PM
4/27 includes a student showcase session

Where: DOES Media Center

Note: This program is limited to ~25 students on a first come first serve basis. Previous and new attendees welcome. Activities will be modified to accommodate both groups. **Spring Semester focuses primarily on Robotics**

Students will engage in hands-on STEM activities and learn about digital literacy (technology fluency and applications, team building, collaboration tools, problem based critical thinking), tied to DOES math and science curriculum while learning and applying basic ethical, safety and security concepts through gaming, modeling and simulation development, all while investigating exciting careers that interconnect the fields of science, technology, engineering and math- emphasis placed on information assurance and digital forensics.

- Explore various modeling and simulation software packages (MicroWorlds, Building games in Excel, Scratch, and RoboLab)
- Create an Animated Story & Interactive Game/Maze with MicroWorlds and Scratch
- Develop Interactive Educational Mini Simulations/Games with Excel
- Design, build and program a cybernetic device with ROBOLAB

Based on the successful Young Scholars Program curriculum developed through a National Science Foundation Research grant, the STEM Mindtools Program:

- *Promotes careers in Science, Math, and Engineering that utilize Technology*
- *Correlates with the school's on-going Science and Math curriculum*
- *Promotes fun and age appropriate activities*
- *Promotes digital literacy supporting the newly approved Maryland Student Technology Standards*

For More Information:
Davina Pruitt-Mentle, Ph.D.
NSF CyberWATCH K-12 PI
410 531-3910
dpruitt@umd.edu

Please make checks out to ETPRO and mail registration forms by January 26, 2009 to Davina Pruitt-Mentle: 5333 Broadwater Lane, Clarksville, MD 21029.

Student's Name:		Birthday:	
Grade/Homeroom Teacher:		Allergies/medical conditions:	
Parent/Guardian:	Phone 1:		Phone 2:
Address:	City:		Zipcode:
Email:	After class my child will: ☐ be picked up ☐ go to aftercare in bldg		

I waive any right to claim against ETPRO, staff and teachers, my child's school or school district in the event of an accident, injury or loss of personal items. I understand I am committing to participation in Mindtools and reserving a place in class for the designated session. ETPRO does not offer refunds for tuition paid once a session has begun. Parent's signature _____.

PLEASE SEND A NOTE FOR YOUR CHILD'S CLASSROOM TEACHER ON THE FIRST DAY OF SESSION. Please pick up from the designated room.

The PTA is requesting that parents visit at least one class session during all after school programs (outside the final presentation day)—if possible. **Please circle date (s)** that you would be able to attend so we can manage attendance to have even coverage to all sessions with limited seating capacity: 2/2, 2/9, 2/23, 3/2, 3/9, 3/23, 3/30, 4/20
Thank you for your participation.