Increasing Participation in Computer Science through Service

By Janet Lathan

janetlathan@comcast.net

Tapestry Workshop, UVA

Summer, 2009

WHAT can students do?

Maintain Lab Computers
   Delete Files
   Check Software

Inventory

Installation OS, Virus, etc

Troubleshoot common problems (Printers)

Hardware: set up/replace

Assemble back-up computer systems for classrooms

WHO Supervises?

Ur kitteh printer is runnin outa toner

IT Department
    Contracted Interns
    Informal Volunteers

Academic (CPS)
    As part of course
    As credit

Service Hours

Afterschool Club

WHEN can students work?

Before school

During lunch

During a course

Afterschool

Weekend

Summer

Advantages?

- Responsibility is communicable
- Identify students with interest and aptitude
- Marketable skills
- Build community and confidence
- Students learn teamwork
- Opportunities for Mentoring
- School benefits too: Time, Energy, $$$

A Recommended Process

1. Choose your goals
2. Who has a stake?
3. Set Communication
4. Set Objectives
5. Define "Success"
6. Who evaluates?
7. Set Specific Tasks
8. Who trains?

Issues with Supervision

"The moment you give a student responsibility, you have issues with integrity and trust."

"You have to care about the students, not just be a good tech"

Jon Notise

IT Administrator

ACHS

Computer Science
is an open door to the future!