

Need Help

- ◆ Binary
- ◆ Use e-mail, online discussions ,etc.
- ◆ Design, develop, publish, and present products (webpages, videotapes) (3)
- ◆ AP Java (3)
- ◆ Project management
- ◆ Data base with programs
- ◆ Linux operating systems
- ◆ Web programming - client side and server side scripting languages (2)
- ◆ Emerging technologies (2)
- ◆ Animation
- ◆ Web page design
- ◆ Collaborate with experts
- ◆ Networks (3)
- ◆ Algorithms (middle school level) (3)
- ◆ Logic and its usefulness for solving real world problems (2)

Need Help (2)

- ◆ A+ certification
- ◆ Hierarchy and abstraction in computing
- ◆ Data structures - stacks, trees, etc.
- ◆ Applications of various data and file structures
- ◆ Exposure to advanced computer software topics
- ◆ Career paths
- ◆ Discrete math
- ◆ Limits of computing
- ◆ Start introducing vocabulary K-3
- ◆ Using inquiry based learning model to create/manipulate an object
- ◆ Introductory concepts of flow-charting, etc.
- ◆ Hands on activities to model computer processes
- ◆ Troubleshooting hardware and software problems 2
- ◆ Concepts underlying hardware, software
- ◆ Major computer components
- ◆ Internet elements
- ◆ Hierarchy and abstraction
- ◆ Computers as models of intelligent behavior

Top 5

- ◆ Desktop publishing
- ◆ Emerging technologies
- ◆ Ethical issues (4)
- ◆ Careers (5)
- ◆ Computer networks (2)
- ◆ Multimedia
- ◆ Algorithms (7)
- ◆ Problem solving strategies (2)
- ◆ Abstraction
- ◆ Program testing
- ◆ Problem solving and algorithms (2)
- ◆ Underrepresentation of women and minorities (2)
- ◆ Use technology resources - digital cameras, etc. (2)
- ◆ Binary
- ◆ Use telecommunications - e-mail, online discussions, etc. (2)
- ◆ Design, develop, publish, and present products (web pages, video tapes, etc.) (4)
- ◆ Computers as models of intelligent behavior

Top 5 (2)

- ◆ Team software development and principles of software engineering (3)
- ◆ Applications of various data and file structures
- ◆ Operation of computer systems (2)
- ◆ Hierarchy and abstraction (2)
- ◆ Select appropriate tools and tech resources to solve problems
- ◆ Logic (2)
- ◆ Graphs as a tool for representing problem states and solutions to complex problems (2)
- ◆ Web design (2)
- ◆ Data base with programs
- ◆ Tools for expressing design
- ◆ Connection between computer science and math
- ◆ AP computer science