

Home School Computer Training

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My Credentials

I have been in the computer industry since the 1970s. I “grew up” with the PC, DOS and Windows in the 1980s and 1990s. I have many years of experience developing software and have developed and taught training courses for a company. I have used Windows since Windows 3.1 (the first version available). I have worked for Sperry Univac, Unisys, Compaq, Iomega, Novell, Hewlett-Packard and others. I am currently self-employed developing software and doing computer support and training for individuals and companies.

You provide the students and I provide the training

I can come to your home and teach your home-school students about computers. **Groups of students (from different families) can be taught to split up the cost.** Parents can take part in the training if they are interested. In fact, parents can learn things even children don't know about computers!

I teach computer skills, computer theory, computer programming. Help your students prepare for college by becoming more computer savvy. Or give them computer skills that may lead to a career in this exciting field. Some of the courses I teach are

- How computers work
- How to use the computer (general computer concepts)
- Computer Programming
- How to use applications better (Word, Excel, Power Point etc.)
- Speedy computing – getting things done much faster using generally unknown keyboard/mouse shortcuts
- Custom courses – I can build a course based on your needs

Course Materials

Below are examples of courses I teach. I can teach a specific course as outlined or customize course material and teach exactly what you want me to teach.

How computers work. This course teaches the basics of the computer and gives you a good idea about what is going on inside the computer.

- History of computers
- Computer terms
- Numbering systems and how computers use them
- Computer components and the purpose of each
- The difference between memory (RAM/ROM) and disk space
- In-depth: more information on each component
- Operating systems and programs – compare and contrast
- The file system

- Using and organizing the file system
- How computers save documents and why you need to de-fragment the file system
- Computer flow – what happens when a program loads
- Hardware vs. Software – differences and similarities
- Programming basics – how programs work
- Building blocks of a programming language

Computer Programming. This course teaches students how to program a computer. Students can write programs throughout the course to solidify their skills.

- History of computers
- Computer and programming terms
- Numbering systems and how computers use them
- Computer languages – different language types and their history
- Sequence, selection, iteration – three programming concepts languages are built on
- Variables, variable types and data types
- Value and reference data types
- Functions and algorithms
- Operators and operands – how programs do math
- Control flow – looping, branching, transferring control
- Modern programming and object oriented languages
- Object oriented concepts – classes, namespaces, exception handling
- More object oriented concepts – inheritance, encapsulation, polymorphism
- The IDE – Integrated Development Environment, or how to build windows fast
- Windows Forms – this is where it really gets fun

If you have any questions or would like more information, please call.