



ECS Computer Curriculum Scope and Sequence of Program

Objective:

As a Christian elementary and middle school, our mission is to give our students a quality, Christ-based education. In our modern world such an education by nature should include training in the use of appropriate technologies. The Computers education program is designed to give each student the technological skills that he or she needs to use computers as educational tools, and to prepare them for computer uses beyond their education at ECS.

General Goals:

- ☐ Students will become comfortable with the basic workings of computer hardware and software.
- ☐ Students will develop efficient typing skills.
- ☐ Students will learn a functional vocabulary of computer terms.
- ☐ Students will learn good computer using habits that decrease the risk of damage to the computer and themselves.
- ☐ Students will develop an understanding of how computers were developed, how they are used in today's world, and how they might be used in the future.

First through Third Grade:

- Students will develop mouse and computer navigation skills
- Students will learn about program menus, toolbars, and options.
- Students will learn basic computer graphic skills using *Kid Pix*.
- Students will use the computers to create posters, signs or cards to communicate important information.
- Students will learn basic web-browsing skills, and use online tutorials.
- Students will begin learning and using the correct hand positions for typing.
- Students will use a word processing program to:
 - experiment with the different fonts, sizes and styles.
 - write and illustrate a creative writing piece.

Fourth and Fifth Grade:

- Students will continue developing proper touch-typing skills.
- Students will use a word processing and desktop publishing programs for various tasks.
- Students will learn spreadsheet basics using *Excel*.
- Students will use computers to create multimedia presentations.
- Students will learn to use Internet resources as reference tools.

Sixth through Eighth Grade Electives:

- **Multimedia Presentations and Word Processing**—PowerPoint and Word
- **Digital Imaging and Desktop Publishing**—Publisher, Paint, and PhotoShop Elements
- **Web Design**—HTML and FrontPage