Adventist Education

A JOURNEY TO EXCELLENCE

Basic Course

2010

SECONDARY COMPUTER EDUCATION STANDARDS
IN SEVENTH-DAY ADVENTIST SCHOOLS

OFFICE OF EDUCATION | North American DivisionSeventh-day Adventist Church

Computer Education Standards—Basic Course

COURSE FOCUS [Apply the following for each content standard.]

COMP.1   Identify SDA Christian principles and values in correlation with computer technology.

COMP.1.1   Recognize God's purpose in the dynamics of computer technology.

COMP.1.2   Explore God's role in the social, economic, and spiritual areas of a technological society.

COMP.1.3   Apply biblical principles of SDA Christian morality, integrity, and ethical behavior to all aspects of life.

COMP.1.4   Develop an SDA Christian approach toward technological issues.

COURSE ABILITIES [Apply the following to each content standard.]

COMP.2   Develop abilities in computer technology.

COMP.2.1   Develop critical and creative thinking skills (research, analysis, evaluation).

COMP.2.2   Utilize cooperative learning (project-based activities).

COMP.2.3   Practice self-management skills (individual responsibility, self-worth, sociability, etc.).

COMP.2.4   Develop effective communication skills (speaking, writing, listening, using technology, etc.).

COMP.2.5   Learn and utilize discernment skills (personal, recreational, time management, etc.).

COMP.3 Be able to apply ethically the knowledge and skills of computer technology.

COMP.3.1   Read, research, analyze, write, and present using technological resources.

COMP.3.2   Identify concepts, capabilities, and limitations of technology.

COMP.3.3   Demonstrate ability to apply technological concepts with integrity.

COMP.3.4   Assess personal applications and potential career opportunities.

COMP.3.5   Evaluate and apply media discernment skills (websites, games, music, etc.).

COURSE CONTENT: Literacy, Applications, Communication, Ethics

COMP.4   Be able to understand history, common terms, and concepts and to utilize technological reasoning.

COMP.4.1   Recognize the historical influence of technological ideas.

COMP.4.2   Identify key terms (gigabyte, RAM, CPU, ROM, monitor, etc.).

COMP.4.3   Demonstrate understanding of basic concepts (trouble-shooting, file manipulation, virus protection, etc.).

COMP.4.4   Compare and contrast different operating systems.

COMP.4.5   Transfer current knowledge to the learning of new technologies.

COMP.5   Be able to manipulate data using appropriate software applications and technologies.

COMP.5.1   Select, validate, and effectively utilize appropriate technologies for the completion of specific tasks (email, FTP, Listserv, etc.).

COMP.5.2   Use a variety of equipment and software to enter, process, display, and communicate information (word processing, spreadsheets, databases, presentations).

COMP.5.3   Retrieve information from electronic research tools (CDs, DVDs, Internet, etc.).

COMP.6   Be able to communicate and work collaboratively utilizing computer technology.

COMP.6.1   Communicate ideas effectively to diverse audiences (presentations, letters, spreadsheets, etc.).

COMP.6.2   Interact, collaborate, and publish with a variety of audiences (peers, experts, others).

COMP.6.3   Develop cultural understanding and global awareness by engaging with learners of other cultures.

COMP.6.4   Communicate information logically using acceptable language arts skills.

COMP.7   Be able to practice legal and ethical behavior in relation to technology.

COMP.7.1   Understand and practice safe, legal, and responsible use of information and technology.

COMP.7.2   Demonstrate understanding of and compliance with the school's acceptable use policy.

COMP.7.3   Comply with legal and SDA biblically-based ethical guidelines (privacy, plagiarism, piracy, spam, hacking, file sharing, etc.).