

Computer Technology—Basic



Course Focus (Apply the following for each content standard.)

COMP.1 Identify the principles of SDA Christian 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 Critical and creative thinking skills (research, analysis, evaluation).
- COMP.2.2 Cooperative learning (project-based activities).
- COMP.2.3 Self-management skills (individual responsibility, self-worth, sociability, etc.).
- COMP.2.4 Effective communication skills (speaking, writing, listening, using technology, etc.).
- COMP.2.5 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 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.).