

Identifier	Grade 9 - Computer and Technology	Introduced	Completed
9 CT 1	PROBLEM SOLVING		
9 CT 1.01	Analyze a variety of problem-solving approaches, which can be used and combined in seeking solutions.		
9 CT 1.02	Develop and implement a design/problem-solving method based on a need or want.		
9 CT 2	PRODUCTIVITY TOOLS		
9 CT 2.01	Demonstrate advanced proficiency and accuracy in keyboarding skills.		
9 CT 2.02	Create a multipage document in conjunction with other tools that demonstrate the ability to type, format, edit, and print.		
9 CT 2.03	Create a database, define fields, enter data for multiple records, and print reports based on sort and query. Interpret report based on data.		
9 CT 2.04	Generate a spreadsheet including labels, values, formulas, and functions; create a chart to visually represent data. Analyze the significance of the data. Print a spreadsheet showing formulas.		
9 CT 2.05	Create and present a multipage, multimedia presentation incorporating three or more of the following: text, graphics, sound, animation, digital video, or linking. Analyze and critique a multimedia presentation.		
9 CT 2.06	Locate and evaluate sources of distance learning, telecommuting, and teleconferencing and analyze the uses of these electronic communications.		
9 CT 3	RESEARCH TOOLS		
9 CT 3.01	Independently identify a research topic or state a problem that clearly identifies its elements, its scope, and the expected outcomes using technology tools.		
9 CT 3.02	Generate a list of keywords for a research topic or problem with qualifying modifiers and conduct a search of electronic-based sources.		
9 CT 3.03	Utilizing different search strategies, conduct research using hyperlinks to select information for a specific topic or problem.		
9 CT 3.04	Organize information logically for presentation or decision making.		
9 CT 3.05	Compare and contrast collected information to validate its reliability, authenticity, and timeliness.		
9 CT 3.06	Demonstrate the ability to document all sources using an accepted standard citation format.		
9 CT 3.07	Given a rubric, evaluate the research process and its outcome.		
9 CT 4	TOOLS AND PROCESSES		
9 CT 4.01	Analyze how the development of new tools, materials, and processes is necessary to maintain and improve high productivity and quality.		
9 CT 4.02	Use tools to design and/or create solutions that are functional, aesthetically pleasing, demonstrate quality, and have value greater than the investment of time, energy, effort, and other resources.		
9 CT 4.03	Evaluate the available tools and select the appropriate tool and process that would safely accomplish the task.		
9 CT 4.04	Evaluate and then correct nonfunctioning technology system/subsystem areas needed to accomplish required tasks.		
9 CT 5	SYSTEMS		
9 CT 5.01	Interpret the ways technological systems have evolved and will continue to evolve to satisfy human needs and desires.		
9 CT 5.02	Demonstrate how systems are planned, organized, designed, built, and controlled.		
9 CT 5.03	Evaluate systems model(s) including the stages of input, processes, output, feedback, and consequences.		
9 CT 6	IMPLICATIONS ON SOCIETY		
9 CT 6.01	Analyze the impact of new and improved products and services on the quality of life.		
9 CT 6.02	Analyze how the effects of a given technology may be unacceptable under a certain set of circumstances, but acceptable under another set of circumstances.		
9 CT 6.03	Research and select a career choice, develop a career plan, and select the courses/program for entry-level skills (e.g., career information system).		
9 CT 6.04	Analyze significant events, inventions, and discoveries in the history of technology and their effects on beliefs, attitudes, and behavior in business, society, or culture.		