

Identifier	<b>Poplar - Grade 12 - Computer and Technology</b>	Introduced	Completed
12 CT 1	<b>PROBLEM SOLVING</b>		
12 CT 1.01	Analyze a variety of problem-solving approaches, which can be used and combined in seeking solutions.		
12 CT 1.02	Develop and implement a design/problem-solving method based on a need or want.		
12 CT 2	<b>PRODUCTIVITY TOOLS</b>		
12 CT 2.01	Demonstrate advanced proficiency and accuracy in keyboarding skills.		
12 CT 2.02	Create a multipage document in conjunction with other tools that demonstrate the ability to type, format, edit, and print.		
12 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.		
12 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.		
12 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.		
12 CT 2.06	Locate and evaluate sources of distance learning, telecommuting, and teleconferencing and analyze the uses of these electronic communications.		
12 CT 3	<b>RESEARCH TOOLS</b>		
12 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.		
12 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.		
12 CT 3.03	Utilizing different search strategies, conduct research using hyperlinks to select information for a specific topic or problem.		
12 CT 3.04	Organize information logically for presentation or decision making.		
12 CT 3.05	Compare and contrast collected information to validate its reliability, authenticity, and timeliness.		
12 CT 3.06	Demonstrate the ability to document all sources using an accepted standard citation format.		
12 CT 3.07	Given a rubric, evaluate the research process and its outcome.		
12 CT 4	<b>TOOLS AND PROCESSES</b>		
12 CT 4.01	Analyze how the development of new tools, materials, and processes is necessary to maintain and improve high productivity and quality.		
12 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.		
12 CT 4.03	Evaluate the available tools and select the appropriate tool and process that would safely accomplish the task.		
12 CT 4.04	Evaluate and then correct nonfunctioning technology system/subsystem areas needed to accomplish required tasks.		
12 CT 5	<b>SYSTEMS</b>		
12 CT 5.01	Interpret the ways technological systems have evolved and will continue to evolve to satisfy human needs and desires.		
12 CT 5.02	Demonstrate how systems are planned, organized, designed, built, and controlled.		
12 CT 5.03	Evaluate systems model(s) including the stages of input, processes, output, feedback, and consequences.		
12 CT 6	<b>IMPLICATIONS ON SOCIETY</b>		
12 CT 6.01	Analyze the impact of new and improved products and services on the quality of life.		
12 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.		
12 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).		
12 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.		