

Identifier	Grade 5 - Computer and Technology	Introduced	Completed
5 CT 1	PROBLEM SOLVING		
5 CT 1.1	Apply different and appropriate problem solving methods using accurate terminology.		
5 CT 1.2	Apply appropriate solution procedures requiring optimization and making adjustments		
5 CT 1.3	Apply skills to solving a problem to achieve a desired production outcome		
5 CT 2	PRODUCTIVITY TOOLS		
5 CT 2.1	Apply correct finger placement for basic keyboarding skills, including number keypad.		
5 CT 2.2	Create a document including a graphic using basic formatting techniques that demonstrate the ability to type, edit, and print.		
5 CT 2.3	Create a database with predefined fields, enter data for multiple records, and print reports based on sort query using ascending and descending order.		
5 CT 2.4	Construct a guided spreadsheet containing appropriate labels, values, formulas, and simple functions.		
5 CT 2.5	Create a multimedia document or presentation using text, graphics, and/or sound.		
5 CT 2.6	Explain the differences between data files and program files, and describe and use the file management software of a computer.		
5 CT 2.8	Describe the process of accessing a LAN and demonstrate the process as available.		
5 CT 2.9	Define and explain the uses of an electronic communication device, telecommuting, and teleconferencing.		
5 CT 3	RESEARCH TOOLS		
5 CT 3.1	Select a research topic or define a problem and predict outcomes using technology tools.		
5 CT 3.2	Generate keywords for a research topic or problem.		
5 CT 3.3	Select information from a variety of remote resources for a research topic or problem exploring hyperlinks.		
5 CT 3.4	Use an organizational format to arrange information for presentation or decision making.		
5 CT 3.5	Demonstrate an understanding of intellectual property and identify source and content of information collected.		
5 CT 3.6	Generate a list of sources.		
5 CT 3.7	Summarize and share the research process and its outcome.		
5 CT 4	TOOLS AND PROCESSES		
5 CT 4.1	Recognize that technological resources include people, information, materials, machines, energy, capital, and time.		
5 CT 4.2	Employ tools and materials to design or develop products or projects.		
5 CT 4.3	Demonstrate the importance of safety and ease of use in selecting appropriate tools.		
5 CT 4.4	Solve difficulties with tools or devices to accomplish the desired result including computer operations and recognize basic operational problems, such as printer jams, and possible solutions.		
5 CT 5	SYSTEMS		
5 CT 5.1	Explain open, closed, simple, complex, micro, and macro systems.		
5 CT 5.2	Explain how systems depend on a variety of resources to produce a desirable outcome (e.g., computer information processing cycle).		
5 CT 5.3	Classify systems according to type and level (e.g., open loop system or closed loop system, simple or complex, and micro or macro).		
5 CT 6	IMPLICATIONS ON SOCIETY		
5 CT 6.1	Examine products and communicate how that product solved a human need or want.		
5 CT 6.2	Explain how physical environments are changed by technological developments.		
5 CT 6.3	Describe the relationship between careers and technological developments.		
5 CT 6.4	Explain society's use of technology and describe both the positive and negative impacts on the workplace, society, and the environment.		