CTE Computer Science

PS 1	Software Design: Plan, design, and create programs using problem-solving and reasoning skills to meet industry standards.
PS 2	Programming Practice: Apply Documentation Good programming practice: clear and precise code, documentation of a code, and software testing.
PS 3	Language Elements: Understand and incorporate different programming elements (conditionals, looping, variables, functions, lists etc.).
PS 4	Identify and understand different types of Algorithms.
PS 5	Software engineering: Use reasoning, problem-solving, and decision-making skills to identify, analyze (debugging), and modify computer programming errors to meet industry standards.
PS 6	Web Development: Understand and develop web applications.
PS 7	Databases: Understand relational databases and structure query language (SQL).
PS 8	Career Exploration: Relate the importance of workplace expectations to career development.
PS 9	Employability: Identify, understand, and apply employability skills and workplace readiness skills as required by employers.
PS 10	9-10.RST.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9–10 texts and topics.
PS 11	9-10.RST.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.
PS 12	9-10.WHST.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
PS 13	9-10.WHST.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation