Kentucky CTE

Computer Science: CIT 120: Computational Thinking

Demonstrate an understanding of elementary logic, truth tables, and Boolean Algebra. CIT120.1	**a Create a truth table based on Boolean Algebra** CIT120.1A
Illustrate the flow of a program. CIT120.2	**a Explain the implications of file processing.** CIT120.2A
Describe the steps addressed in the design of a program to solve the stated problem. CIT120.3	**3 Describe the steps addressed in the design of a program to solve the stated problem.** CIT120.3
Describe the principles of object-oriented programming. CIT120.5	**4 Describe the principles of object-oriented programming.** CIT120.5
Analyze the binary representation of data. CIT120.6	**5 Analyze the binary representation of data.** CIT120.6
Develop algorithms with increasing degree of complexity using structured programming techniques such as: sequence, selection, and repetition. CIT120.6	**6 Develop algorithms with increasing degree of complexity using structured programming techniques such as: sequence, selection, and repetition.** CIT120.6
Use fundamental data types and data structures CIT120.7	**a Be able to use: integers, reals, characters, strings, Booleans, one- and two-dimensional arrays.**

Demonstrate programming style best practices. CIT120.8	**8** **Demonstrate programming style best practices.** CIT120.8
Illustrate concepts using one or more programming language(s). CIT120.9	**a** **Use modular programming.** CIT120.9A