

- PS 1 Students will demonstrate the ability to compile, debug, and execute programs. ([Strand 1, Standard 2](#))
- PS 2 Students will demonstrate how to use an editor/IDE to compile and run programs. ([Strand 1, Standard 2](#))
- PS 3 Students will understand the difference between syntax, run-time, and logic errors. ([Strand 1, Standard 2](#))
- PS 4 Students will demonstrate how to debug programs. ([Strand 1, Standard 2](#))
- PS 5 Students will demonstrate the ability to use basic elements of a specific language. ([Strand 3, Standard 1](#))
- PS 6 Students will write programs formatted based on the conventions of the utilized language. ([Strand 3](#))
- PS 7 Students will declare, initialize, and assign values to constants and variables. ([Strand 3](#))
- PS 8 Students will demonstrate the ability to use input and output commands. ([Strand 3](#))
- PS 9 Students will communicate clearly with output values stored in identifiers. ([Strand 3](#))
- PS 10 Students will demonstrate the ability to use strings. ([Strand 3](#))
- PS 11 Students will demonstrate the ability to use data types in programs. ([Strand 3, Standard 3](#))
- PS 12 Students will declare and use variable types (primitives, reference, or object). ([Strand 3, Standard 3](#))
- PS 13 Students will declare and use constants. ([Strand 3, Standard 3](#))
- PS 14 Students will know the difference between data types and their application. ([Strand 3, Standard 3](#))
- PS 15 Students will demonstrate the ability to use relational and logical operators in programs. ([Strand 4, Standard 1](#))

- PS 16 Students will compare values using relational operators. ([Strand 4, Standard 1](#))
- PS 17 Students will form complex expressions using logical operators. ([Strand 4, Standard 1](#))
- PS 18 Students will demonstrate the ability to use decisions in programs. ([Strand 4, Standard 2](#))
- PS 19 Students will employ simple IF structures. ([Strand 4, Standard 2](#))
- PS 20 Students will use IF-ELSE structures. ([Strand 4, Standard 2](#))
- PS 21 Students will write programs with nested IF-ELSE structures. ([Strand 4, Standard 2](#))
- PS 22 Students will make multiple-way selections (switch, case). ([Strand 4, Standard 2](#))
- PS 23 Students will demonstrate the ability to use loops (iteration) in programs. ([Strand 4, Standard 3](#))
- PS 24 Students will use initial (starting) value, terminal (ending) condition, and incrementation (change) in loops. ([Strand 4, Standard 3](#))
- PS 25 Students will construct pretest loops (while), posttest loops (do-while), and for loops. ([Strand 4, Standard 3](#))
- PS 26 Students will demonstrate the ability to use modularity in programs using functions or methods ([Standard 4](#))