

## Computer Science Standards Framework for Grades K-12

---

### The Background:

With the passage of Chapter 979 of the Public Acts of 2022 by unanimous vote of the Tennessee General Assembly, the State Board of Education (SBE), the Tennessee Department of Education (Department), and all Local Education Agencies (LEA) and public charter schools are required to take specific actions related to computer science education to ensure that all students are fully prepared for the technological jobs of today and in the future.

PC979 requires the Department to recommend academic standards for computer science education to SBE for adoption. SBE is required to adopt academic standards for computer science education, which must be included in the computer science curriculum for students in grades kindergarten through twelve (K-12). The standards adopted by SBE must be available for implementation beginning with the 2023-2024 school year; however, schools are not required to implement the computer science standards until the 2024-2025 school year.

This item includes a new Computer Science Standards Framework which has been created in collaboration with the Tennessee STEM Innovation Network (TSIN), postsecondary faculty, industry representatives, and K-12 teachers. These new Computer Science Standards replace the current K-8 Digital Learning Computer Science standards. Additional feedback will be solicited between first and final reading.

The standards framework includes the table of contents, value statement and declaration, research and vision of the standards, breakdown of each of the dimensions, how to read the standards (nomenclature), progressions & vertical alignment, recommended skills to be computer literate, and an overview and list of standards by grade level.

There are no changes between first and final reading.

### The Fiscal Analysis Impact:

T.C.A. § 49-1-212 requires that the Department prepare a fiscal analysis of any policy, rule, or regulation proposed to the SBE. This item has no financial impact on an LEA.

### Connection to the [Master Plan](#):

This item supports the State Board's strategic focus on Postsecondary and Career outlined in the Master Plan by ensuring students are taught standards that prepare them for the future workforce.

**The Recommendation:**

The Department of Education recommends approval of this item on final reading. The SBE staff concurs with this recommendation.