CS Standards Crosswalk with CSTA K-12 Computer Science Standards for State/District/Course Standards

Rationale for the Crosswalk

Computer science and the technologies it enables now lie at the heart of our economy and the way we live our lives. To be well-educated citizens in a computing-intensive world and to be prepared for careers in the 21st century, our students must have a clear understanding of the principles and practices of computer science. The CSTA K-12 Computer Science Standards document delineates a core set of learning standards designed to provide the foundation for a complete computer science curriculum and its implementation at the K-12 level.

The purpose of this crosswalk is to collect and disseminate useful information regarding the alignment of the CSTA K-12 CS Standards with other local, state, and national standards. This data will be used to support computer science educators and computer science education, which we define broadly as follows:

“Computer science is the study of computers and algorithmic processes, including their principles, their hardware and software designs, their applications, and their impact on society.”
(Tucker, 2004 ACM Model Curriculum for K-12 Computer Science.)

The CSTA K-12 CS Standards may be accessed by following this link:

http://csta.acm.org/Curriculum/sub/K12Standards.html

Please note, the data you are providing is for evaluation and approval purposes. It will not be sold or distributed to any third party directly or indirectly.

We very much appreciate your participation. Thank you for your time and your insight.

Instructions for Completing the Crosswalk

Please complete the Crosswalk form by following these specific instructions.

1. Enter the name of your CS Standards where prompted in the first data block. This may be as simple as “My State Computer Science Standards” or “My County Computer Science Standards.”
2. Enter the website URL where your standards can be accessed where prompted in the second data block.
3. Enter the contact information for the person who manages your standards where prompted in the third data block. Please include contact name, title, and email address.
4. To align your standards with the CSTA K-12 CS Standards, please scroll down to find the aligned grade level and standard.
   a. The grade level for each standard is listed in Column 1.
   b. The CSTA K-12 CS Standard is listed in Column 3. (Column 2 Identifies the CSTA K-12 CS Standards Strand for the standard.)
   c. Please enter your aligned standard (text) as well as any identifying information (Standard Number, etc.) in the appropriate location in Column 4 of the Crosswalk document.
5. When you have completed the alignment for your CS Standards, please save and submit the document to cstacurriculum@csta.acm.org.

Thank you for your participation and support of K-12 Computer Science Education.