





Kentucky Academic Standards for Computer Science

Kentucky Board of Education Meeting
October 2018

June 6, 2018

Standards and Regulation

- ▶ **704 KAR 8:010**. Kentucky Academic Standards for Computer Science (New Administrative Regulation)



Writers' Vision

- ▶ The writing team envisioned standards that would afford students the opportunity to engage in critical thinking, computational thinking and problem-solving through computer science. The writing team wanted standards that would:
 - initiate cross-curricular connections to enhance the understanding of computer science skills and concepts;
 - establish a continuum of computer science competencies K-12;
 - provide opportunities for ALL students to engage in computer science experiences and advanced coursework to prepare them for future success; and
 - prepare students to address a critical workforce need related to computer science knowledge and skills.



The Architecture

- Organized into three components:
 - Grade Band
 - Core Concepts of Computer Science
 - Standard (number)

Grade Band

H

E = Grades K-5 **ES**

M = Grades 6-8 **MS**

H = Grades 9-12 **HS**

Concept

- NI

Algorithms & Programming (AP)

Computing Systems (CS)

Data & Analysis (DA)

Impacts of Computing (IC)

Networks & the Internet (NI)

Standard
(number)

- 03

Standard number
per concept

