

2017 CSTA Standards and Reimagining Comparison

The *Reimagining CS Pathways: High School and Beyond* project began by using the organization of content from the [CSTA K-12 Computer Science Standards \(2017\)](#), as aligned to the [K-12 CS Framework \(2016\)](#). This includes five core concepts and seven practices, listed in the left-most columns in the table below. We reorganized content into the Topic Areas, Pillars, and Dispositions as detailed in the [foundational content](#) (and noted in the Reimagining CS column below). A comparison between the concepts and practices from the 2017 CSTA K-12 Standards and the *Reimagining CS Pathways* project is summarized in the table below.

	CSTA Standards and K-12 Framework	Reimagining CS	Justification for Change
Concepts	Computing Systems	Computing Systems and Security	Combined to reflect the overlap in key content as well as participant priorities
	Networks and the Internet		
	Data and Analysis	Data and Analysis	No title change
	Algorithms and Programming	Algorithms	Separated to reflect the importance of algorithms and their distinction from programming
		Programming	
Impacts of Computing	Impacts and Ethics	Integrated to reflect the importance of integrating consideration of impacts and included as a Pillar	
Practices	Recognizing and Defining Computational Problems	Added to Algorithms	Added to other areas (as indicated) due to overlap in key content
	Developing and Using Abstractions	Added to Algorithms	
	Creating Computational Artifacts	Added to Programming	
	Testing and Refining Computational Artifacts	Added to Programming	
	Fostering an Inclusive Computing Culture	Inclusive Collaboration	Added as a Pillar due to overlap in key content and its relevance to all other areas
	Collaborating around Computing		
	Communicating about Computing		
New	N/A	Human-Centered Design	Added as a Pillar as a result of its importance in the context of accessibility and human-centered computing
		Dispositions	Added as a Pillar to reflect the importance of certain dispositions (e.g., persistence)
		Preparation for the Future	Added as a Topic Area to highlight the importance of learning about (1) pathways and careers in computing and (2) emerging technologies
		Computational Thinking	Added as a Pillar to reinforce the importance of developing computational thinking skills across Topic Areas