



# Reimagining CS Pathways

## High School and Beyond

In a world increasingly powered by computing, students of all identities and chosen career paths need quality computer science (CS) education to become informed citizens and confident creators. To realize this vision, we must reimagine CS education.

### What do all students need to learn about computer science?

The foundation defines essential computer science learning outcomes for all high school students, which may be used to articulate the courses or experiences satisfying a high school graduation requirement. Content is organized into Topic Areas and Pillars, which lead to fostering a prioritized set of Dispositions.

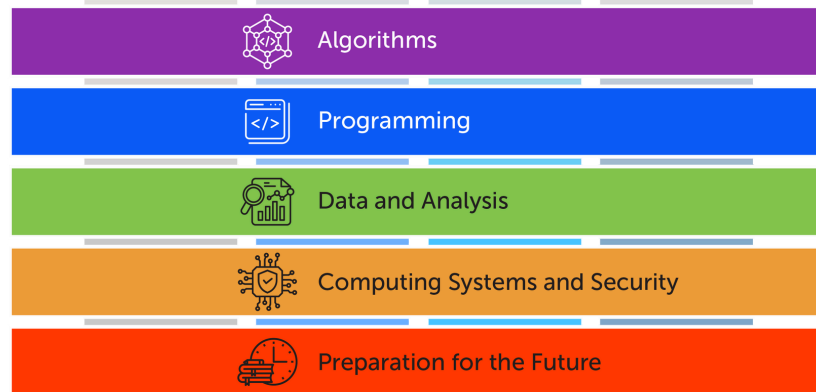
#### Dispositions

broad-based habits of mind that are positively correlated with learning outcomes



#### Topic Areas

key concepts used to organize learning outcomes



#### Pillars

practices, methods, and approaches that are an integral part of each Topic Area



Access the full report and additional resources:

# ReimaginingCS.org

# What are possible pathways for learning computer science?

There are many possible pathways to learn CS, ranging from artificial intelligence (AI) and cybersecurity to X + CS (integration with another subject). We defined content progressions for several specialty areas, plus aligned, example course pathways. We do not expect that high schools could offer all of these pathways; rather they are meant to serve as a menu of options. These pathways recognize that most students will not major in computing in college and offer schools a variety of options based on student interests, community needs, and available resources.

