

What Factors Predict CS Student Outcomes?



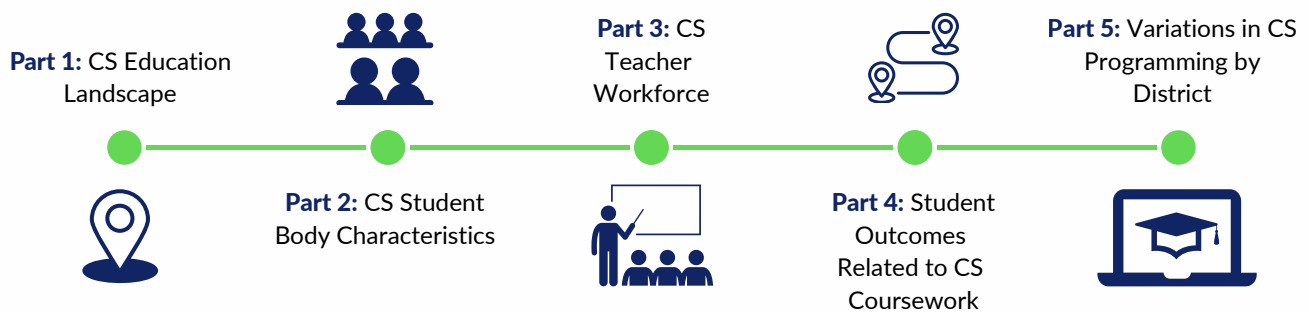
The State of Computer Science in Illinois High Schools Series

Illinois Workforce and Education Research Collaborative

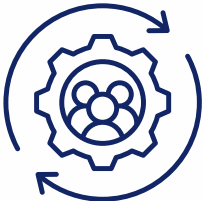
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The State of Computer Science in Illinois High Schools Series analyzes the landscape, structures, and pathways of computer science (CS) education in Illinois and creates a baseline by which to measure the expansion of CS education in the coming years.

The Series includes five reports, each analyzing a different aspect of CS education:



Part 4: Key Findings



We observed statewide disparities in CS passing and continuation rates that permeate through individual courses and districts for Black/African American, Hispanic/Latino, low-income, and EL students, as well as students with disabilities, indicating a need for systemic change.



On average, students taught by CS-endorsed teachers demonstrated higher rates of passing and a greater likelihood of enrolling in additional CS courses.



Girls and Black/African American students paired with teachers of the same gender and/or race were associated with increased odds of passing their CS course, suggesting the value of culturally and/or gender affirming instructional contexts.

Data was provided by the Illinois State Board of Education and includes students who enrolled in at least one CS course between school years 2017-18 through 2021-22.

Read the full report: <http://go.dpi.uillinois.edu/cser>