

P
A
C
E

rogramming the
cceleration of
omputing and
equity

OVERVIEW



What is PACE?

PACE is an initiative led by the Massachusetts Association of School Superintendents (M.A.S.S.) to make K-12 computer science (CS) an integral part of every student's education.

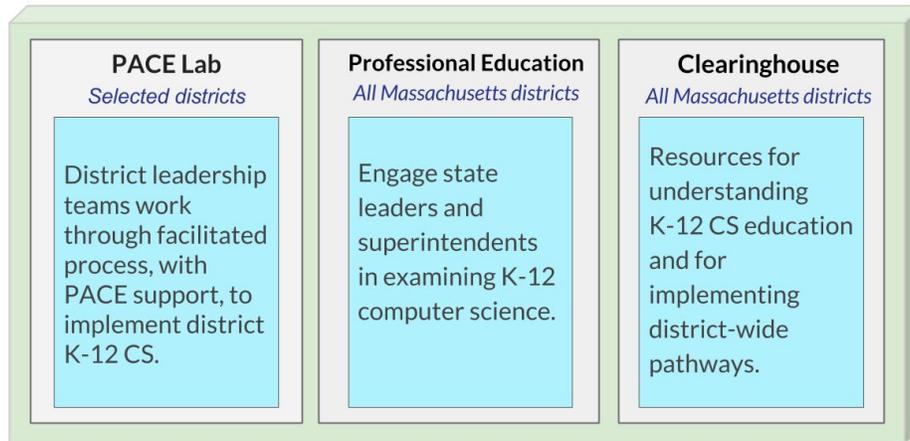
This work is supported by MassCAN (Massachusetts Computing Attainment Network), a coalition of government, industry, higher education, nonprofits, and philanthropists.

What problem is PACE solving?

M.A.S.S. has created the PACE Program to build a sustainable and expanding program of collaboration between school districts to drive CS education at the district level (in addition to ongoing efforts at the classroom or school levels) to accomplish the following goals:

- Educate all of the state's superintendents about the importance of computer science education, what progressive, leading districts have done to expand offerings to their students, and provide them with the appropriate access to information and resources that can assist them with their own efforts.
- Build an online clearinghouse of computer science education resources to connect and strengthen the network of educators and advocates. The PACE Online Clearinghouse will connect, inform, and support stakeholders in driving CS education by sharing best practices, tools, and other resources.
- Work with selected school districts (in cohorts) to develop and implement pathways for districts to expand computer science education offerings.

The PACE Initiative



I. Superintendents' Awareness and Participation

Build shared understanding about and broaden commitment for K-12 computer science education among educators in the Commonwealth.

- Provide information and resources to superintendents and other state leaders.
- Interface with Superintendents at the invitation of M.A.S.S. to provide just-in-time information about K-12 CS.
- Offer workshops, information sessions, panels.
- Aid Stakeholders in K-12 education (M.A.S.S., DESE, principals, teachers) and those who deal with teacher credentials (teachers, higher ed institutions, etc.) in understanding and adjusting to policy changes.

II. The PACE Online Clearinghouse

Assemble and curate online repository of resources to aid districts and educators in search of information about K-12 CS.

- Collect and analyze information from ongoing CS programs across the state. Share lessons learned from districts as they build CS pathways.

- Provide regular updates on the PACE Program and K-12 CS in general. Provide visibility into the work being done in Massachusetts.
- Share the progress of focusing CS education attention at the school district level for planning, implementation and evaluation.
- Assist Districts in understanding and responding to policy changes.
- Give districts a communication platform for sharing directly with each other.
- Collect and share artifacts (letters, emails, PR messaging, etc.) for managing stakeholder expectations.
- Maintain PD directory and representatives' contact info, selection rubrics, syllabi and sample materials; Collect and publish reviews of Curricula/Programs/Tools.
- Advertise funding and PD opportunities

III. The PACE Lab

Work with cohorts of districts to build district-wide CS education pathways and expand CS education across the districts for all three grade bands (K-5 / 6-8 / 9-12).

- Select districts to participate in cohorts collaborating together to plan and implement pathways and education opportunities. Ensure cohorts have demographic representation of the Commonwealth.
- Publish reports summarizing information learned during discovery phase, and share within the PACE Online Clearinghouse.
- Work with districts to craft plans for implementing CS education across the district, incorporating: curriculum, preparing teachers (PD), capacity planning, partnerships, and leadership.
- Create a plan for a sustainable, multi-year, expanding PACE program as needed to enable all school districts to plan and implement CS education.
- Organize Professional Development sessions as needed.