AdvanceKentucky Annual Update

- College Readiness Program
- Computer Science Initiatives
- Access to Algebra

Launch Day & Leader Assembly

Kentucky Board of Education – December 2025

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STEM Education Intern

Our Team

College Readiness Program

2025-2026 Participation

Districts	Schools	Teachers	Enrollments
35	41	95	3,220
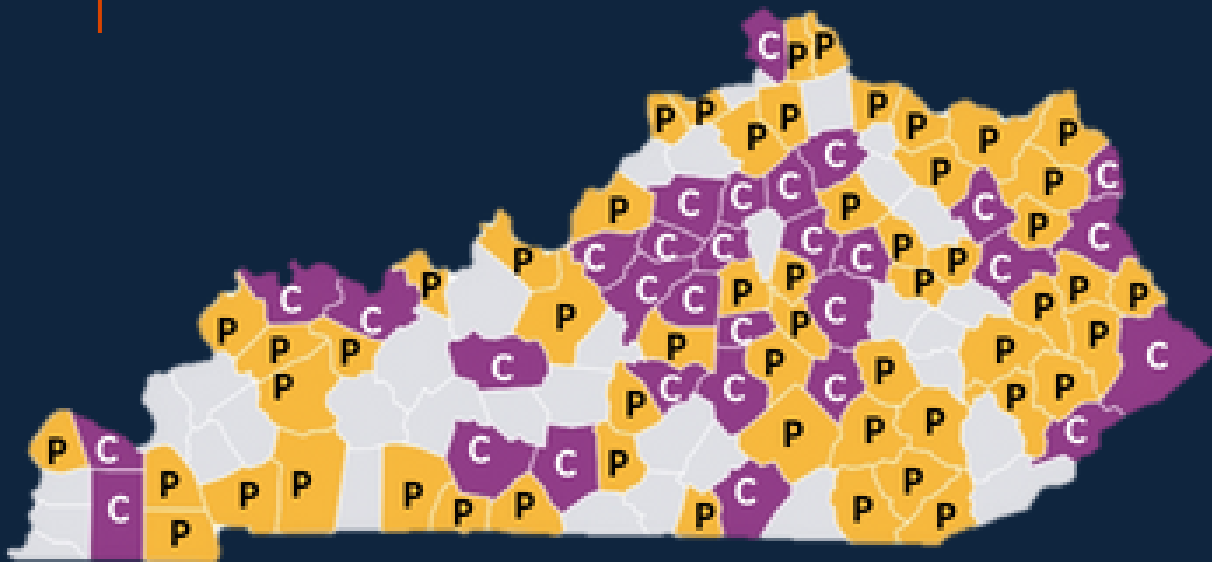
Launch Day

C Current participants
P Previous participants

*The mission of the College Readiness Program (CRP) is to increase **student participation** and **achievement in** Advanced Placement (AP®) **math**, **science**, **English**, **computer science** and **capstone courses**.*

College
Readiness
Program

**AP Exam
Prep Session**

CRP Metrics in 2024-2025

37 districts 41 schools 99 classes 88 teachers	22% increase in the number of enrollments compared to 2023-2024	56% increase in the number of qualifying scores compared to 2023-2024
41% of enrollments are economically disadvantaged	20% of enrollments are from non-white populations	86% exam-taking rate

Notable Achievements

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|---|
| **Teachers finishing their second year of participation saw a 34% increase in enrollments and 48% increase in number of qualifying scores compared to their first year.** |
| Teachers completing all three years of participation in CRP saw a **26% overall increase in number of qualifying scores** and a **93% increase in number of qualifying scores for economically disadvantaged enrollments** compared to their first year of participation. |
| From the 2022-2023 to 2023-2024 school years, CRP outpaced the state in **percentage increases in enrollments (5% vs.11%) and percentage increases in qualifying scores (8% vs.12%)**.
(Source: Kentucky School Report Card) |

Computer Science Initiatives (CSI)

Women in IT Conference

2025-2026 Participation

Districts	Schools	Teachers	Hours Trained
29	54	61	118
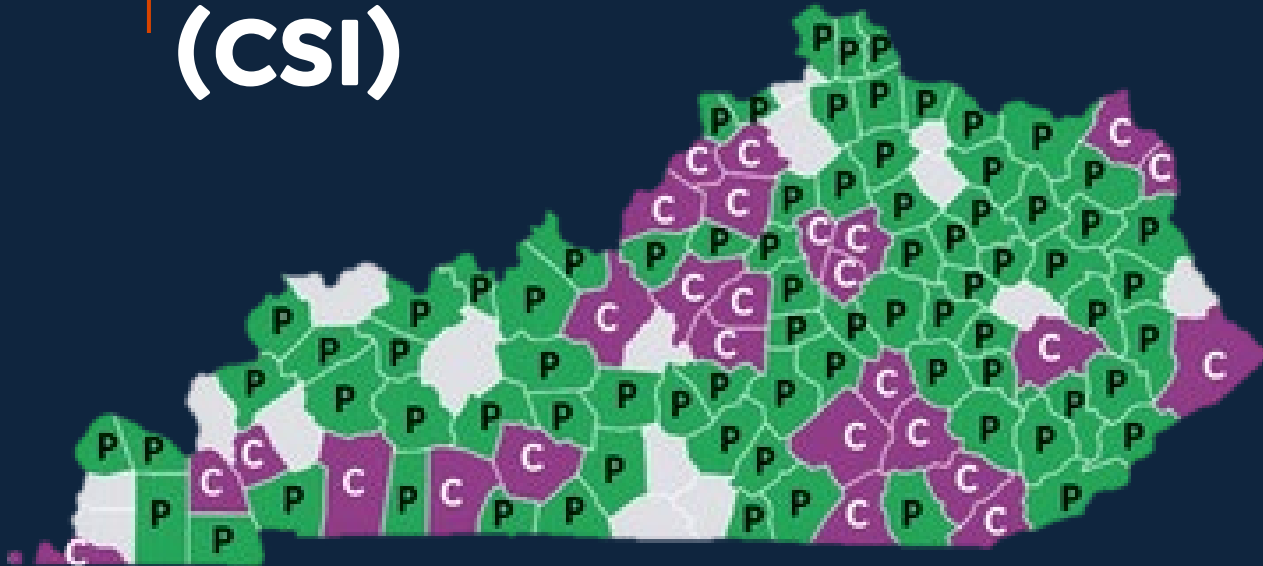
C Current participants
P Previous participants

The mission of CSI is to ensure K-12 access to computer science, including artificial intelligence and emerging technologies, by providing innovative professional development for Kentucky teachers.

Computer Science Initiatives
AdvanceKentucky

Computer Science Initiatives
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CSTA PD Week

Training Teachers Across the Commonwealth (All-Time Metrics)

162 teachers have earned the Approval for Computer Science (ACS)	**384** teachers have participated in Code.org professional learning	**263** teachers enrolled in first 3D printing course (Computer Science (CS) + Additive Manufacturing)	**73** teachers **participated in CS + Engineering professional learning**

Notable Achievements

Hosted the AI for Every Teacher online program (winter 2024-2025).

Secured funding for **Computer Science Teachers Association (CSTA) Summer Professional Development (PD) Week** which provided professional learning for K-5 teachers in integrating CS+AI (summer 2025).

Hosted our first **AI Foundations** summer workshop (summer 2025).

Participated in the development of the **CTE Additive Manufacturing pathway** (opened in 2023-2024), which has since served 111 high school students.
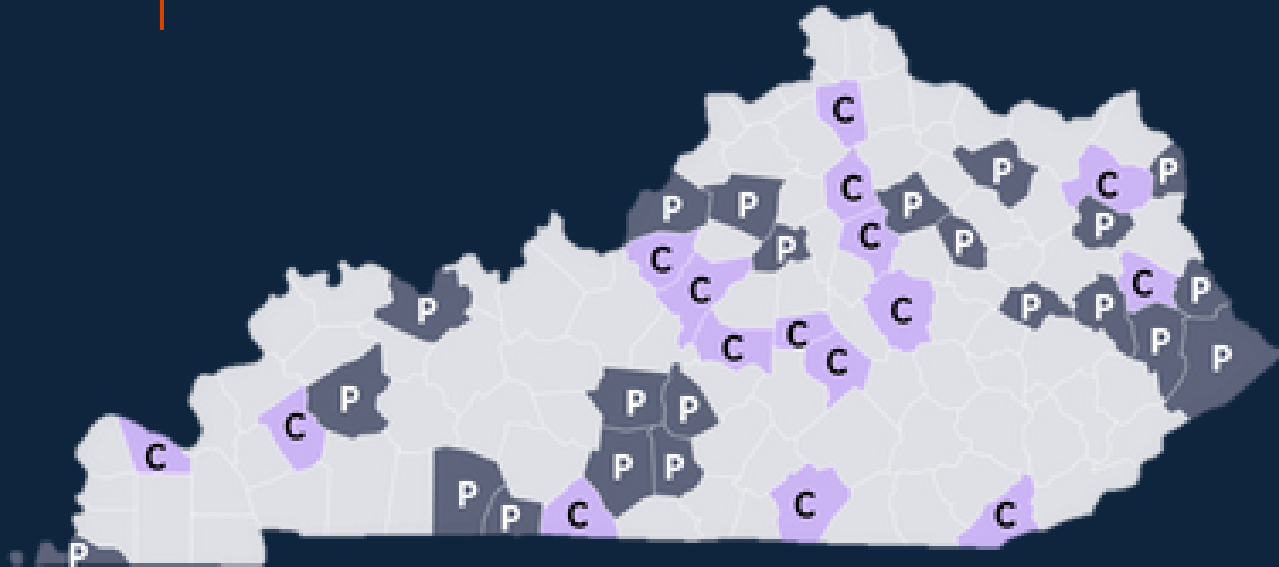
Connected students to weather and climate data through **CAPTIVATE-KY** in partnership with the Kentucky Science & Engineering Foundation (KSEF).

Access to Algebra

Leader Assembly

2025-2026 Participation

Districts	Schools	Teachers	Enrollments
17	28	220	8,394

Access to Algebra (A2A)

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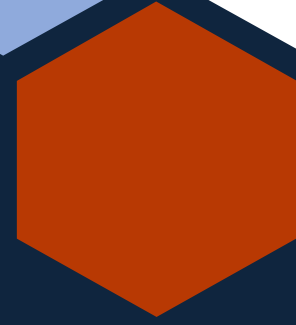- **C** Current participants
- **P** Previous participants

*The mission of A2A is to increase **student achievement** and **growth** in middle school math, as well as **participation in** grade 8 **Algebra 1**.*

LTF Training

Access to Algebra (A2A) Metrics in 2024-2025

9 districts 16 schools 111 teachers 4,088 enrollments	50% of enrollments are economically disadvantaged	30% of enrollments are from non-white populations
35% of students earned incentives compared to 30% in 2023-2024	**23%** of students enrolled in Algebra 1 or higher compared to 20% in 2023-2024	**30%** of students are College Ready compared to 23% in 2023-2024

Notable Achievements

Due to Numeracy Counts funding, we have doubled the number of students and teachers we are able to support.
The Mentorship Program is in its second year and continues to **support new teachers or those new to teaching math** by providing **mentors** outside their district.
Algebra Assist is in its pilot year and aims to **empower middle school teachers** with the confidence, skills, and community they need to deliver **rigorous Algebra 1 instruction**.
Laying the Foundation (LTF) **lesson updates and training revisions** have begun and are being led by Chasity Lowery, contracted as our new Access to Algebra Content Advisor.

Thank you!

- Aaron Timmons, Executive Director
- Monique Rice, CSI Program Director
- Annette Williams, A2A Program Director

*Teachers who have gone through the training really benefit from it. They have a **deeper knowledge** of the math they're teaching. The programs focus on teaching students the **why of learning**.*

- Billie Travis, Scott Co. Public Schools

*Computer science can be intimidating, but the workshop has helped me see that as a teacher I'm bringing a lot of what I already know and applying it in a really **new way** that will make me a **better teacher**.*

- Kathryn Adams, Jefferson Co. Public Schools

*Working with these **leaders and mentors**, they come in and **show** you. It's never just, "Here it is, go do it."*

- Rejeana Norris, Warren Co. Public Schools