

ANNUAL UPDATE

Access to Algebra

College Readiness Program

Who We Are

Anthony Mires, Executive Director
Liz LaVigne, Executive Assistant
Jessica Sanford, Data Specialist
Carlee Oneal, Intern

Annette Williams, Access to Algebra Director
Michael Marshall, Mathematics Content Manager
Christina Emerson, Mathematics Content Manager

Aaron Timmons, College Readiness Program Director
Lew Acampora, Senior Science Content Director
Stephanie Carter, English and Capstone Content Director

Monique Rice, Computer Science Initiatives Director
Sheri McGuffin, STEM Coordinator



AdvanceKentucky Staff

Mission

To ***create opportunities*** for all Kentucky students to have ***access*** to and ***success*** in rigorous STEM coursework, particularly among populations traditionally ***underrepresented*** in these courses, enabling them to pursue ***advanced college and career opportunities***.



McCracken County recognition of students that earned a qualifying score on AP exams.



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

Teachers and Students Served	2022-2023	2023-2024
Program Teachers	126	103
Grade 7 and 8 Students	4,556	3,561
Algebra 1	2022-2023	2023-2024
Enrollments	164	271
Minority	32	40
Economically Disadvantaged	6	119

Algebra 1 Gains





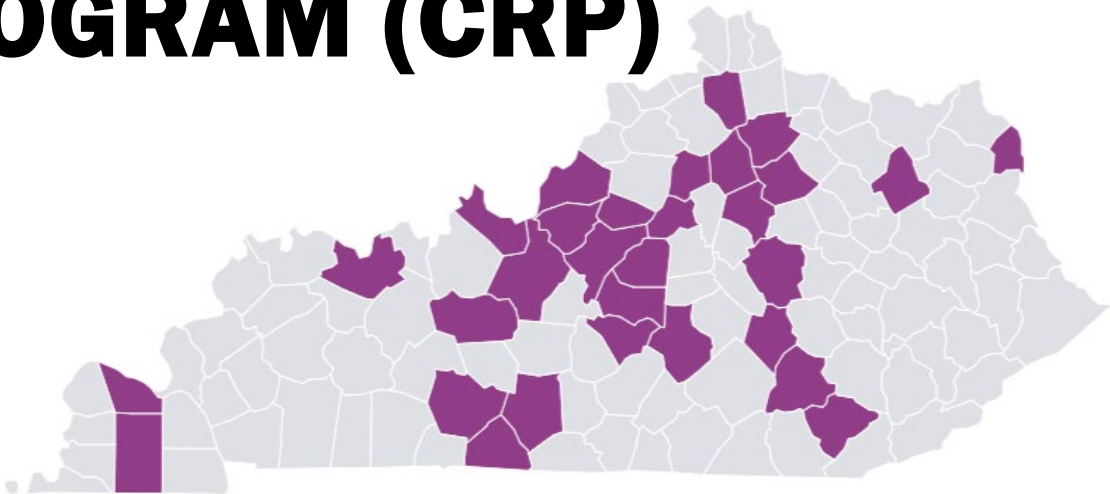
Special Focus: Numeracy Counts Act

AdvanceKentucky will increase math supports to middle schools through expanding Access to Algebra.

- Added one math content manager with 20 years experience who is math and science certified
- Increased presence in schools helping teachers through vertical teaming and other needs
- Created a new mentorship program:
 - Veteran mentors are paired with new teachers
 - Classroom visits, virtual connections, attendance together at two state math conferences
 - Will increase the number of schools in the next cohort
- Developing an Algebra I Cohort
- Increased applicants and acceptance of new cohort of schools



COLLEGE READINESS PROGRAM (CRP) SY 2023-2024



Counties with a participating school in SY 2023-2024

Teacher and Student Growth
Teachers finishing their second year of participation saw an 8% increase in enrollment and 3% increase in number of qualifying scores compared to their first year.
Teachers completing all three years of participation in CRP saw a 65% increase in enrollments and 309% increase in qualifying scores compared to the year immediately prior to participation.

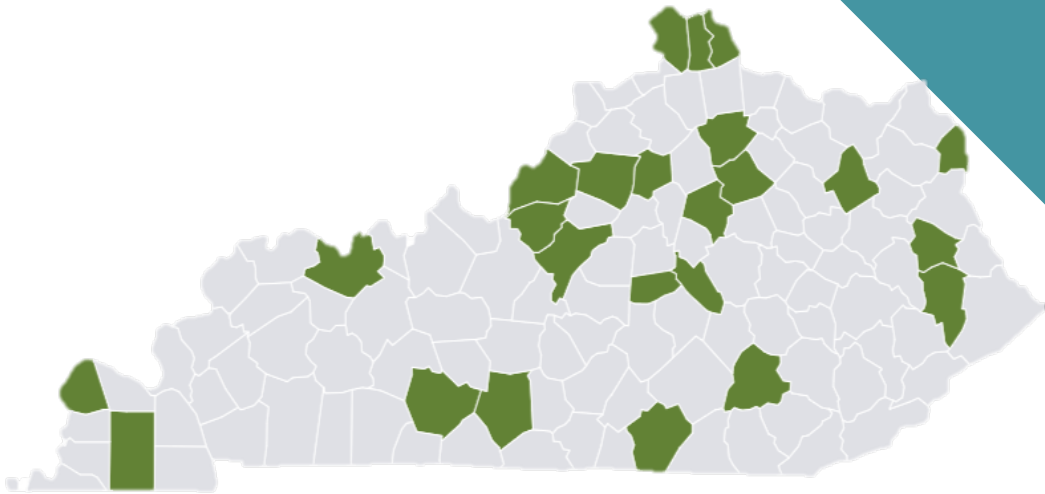
Notable Highlights
Economically disadvantaged students in CRP had a 16% higher exam-taking rate in 2023-2024 compared to the rest of the state in 2022-2023 and had the same percentage of those students earn a qualifying score. (Kentucky School Report Card)
Compared to CRP data from SY 2022-2023, the percentage of CRP students from underrepresented minorities earning a qualifying score increased 10 points.

All CRP Teachers in 2023-2024			
41 schools 36 districts 100 classes	10% increase in the number of enrollments compared to 2022-2023	13% increase in the number of qualifying scores compared to 2022-2023	87% exam-taking rate
36% of enrollments are economically disadvantaged	16% of enrollments are underrepresented minorities	51% of STEM enrollments are female	31 classes taught by a teacher for the first time at their school

Special Focus: Advanced Placement (AP) Precalculus Cohort

A third of college students take remedial math courses that don't count toward their degrees. The mission of AP Precalculus is to make the benefits of AP coursework broadly accessible – especially for students who have never taken an AP course. Students who take precalculus in high school are 155% more likely to complete a bachelor's degree.

(College Board)



Counties with a participating school

Data and Results			
29 schools 27 districts 32 teachers 1306 enrollments	29% of enrollments are economically disadvantaged	13% of enrollments are underrepresented minorities	61% of all AP Precalculus exams were taken by AdvanceKentucky students
75% of all students globally earned a qualifying score 76% of all Kentucky students earned a qualifying score 81% of all AdvanceKentucky students earned a qualifying score			

AP Precalculus Cohort Supports	
For Teachers:	For Students:
AP Summer Institute AP Master Series Fall Forum Mock Exam Scoring	Mock Exam AP Exam Prep Sessions



A2A and CRP Collaborative Efforts

"I love coming to this community of teachers and learning and growing alongside of them!"

- Launch Day/Leader Assembly Teacher Feedback



2024-2025 Statewide Participation

	Districts	Schools	Teachers	Enrollments
Access to Algebra (A2A)	10	15	145	3846
College Readiness Program (CRP)	37	41	88	2974

AdvanceKentucky teachers participating in the Laying the Foundation (LTF) Summer Institute, Launch Day/Leader Assembly and Fall Forum.



Thank you

Anthony Mires

Annette Williams

Aaron Timmons