

Program Update

Interim Joint Appropriations and Revenue Committee
Kentucky General Assembly
October 1, 2019

Mission

To expand student access to and success in rigorous coursework, particularly among populations traditionally underrepresented in these courses, enabling students to pursue advanced college and career opportunities.

College Readiness Program (AP®)

Supports middle and high school pre-AP and AP Math, Science and English courses to increase AP participation and success

Access to Algebra

Supports middle school math teachers in grades 6-8 to increase the number of students on track to meet math benchmark by the time they graduate high school

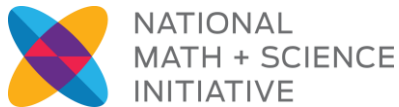
Computer Science (CS) Initiatives

Supports CS education in K-12 classrooms through Code.org training as part of the Kentucky CS Expansion Initiative and manages CSforKY, the state CSforALL campaign



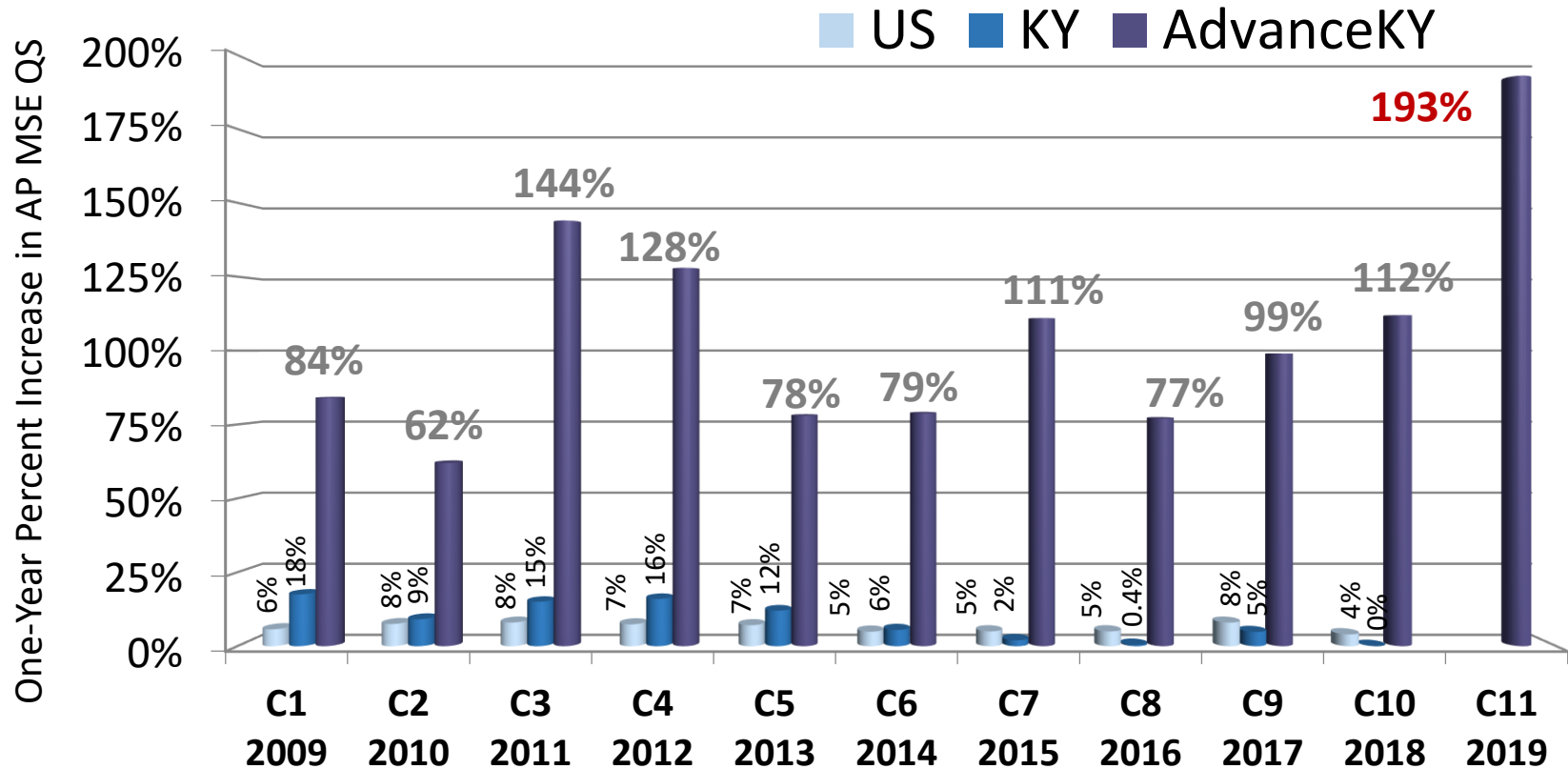
2019-20	Schools	Teachers	Enrollments
College Readiness Program	39 (22+17)*	161	4538
Access to Algebra	27	177	6230
CS Initiatives K-12 Training	34	38	2775
	100	376	13543

**The number of schools indicated includes traditional active program schools funded for math, science, and English plus schools with individual AP MSE teachers in one or more content areas.*



The NMSI College Readiness Program supports improvements in earning qualifying scores (QS) of 3, 4, or 5 (on a 5-point scale) on national AP[®] math, science, and English exams, which may earn college credit.

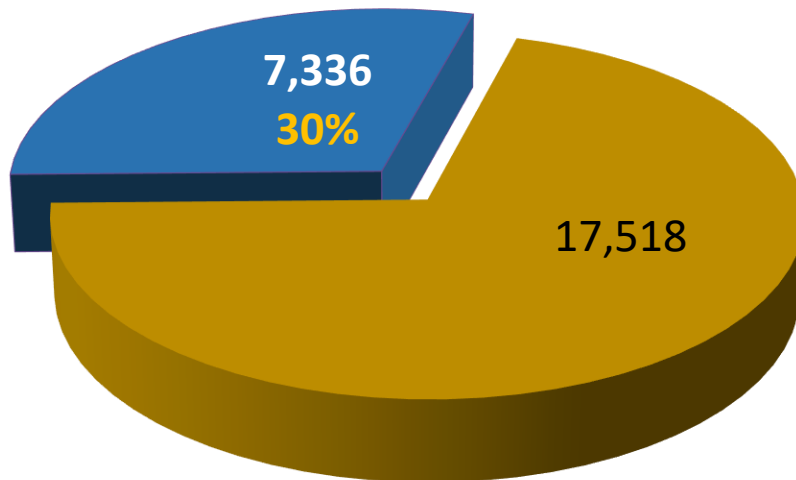




Cohorts 1-7	MSE QS: All Students	MSE QS: FRL Students	MSE QS: Minority Students
Baseline	2513	308	83
Year 3	6387	1255	257
<i>% Change</i>	<i>154.2%</i>	<i>307.5%</i>	<i>209.6%</i>

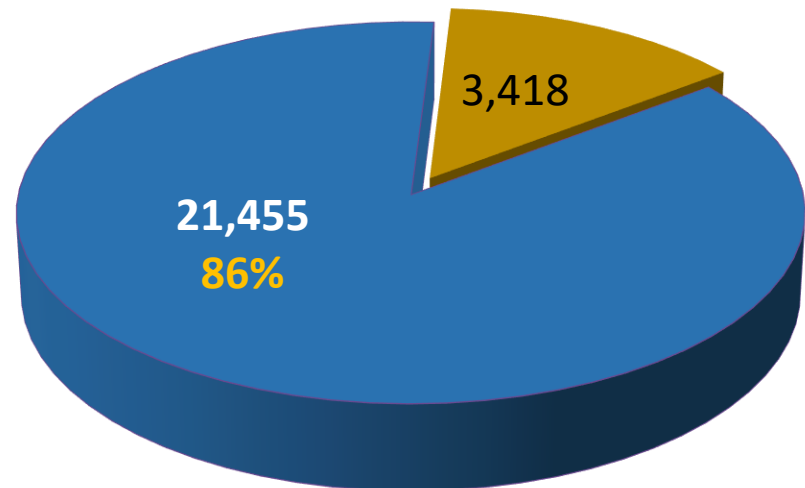
Control Group

■ AP Exam Takers ■ No AP Exam



AdvanceKentucky

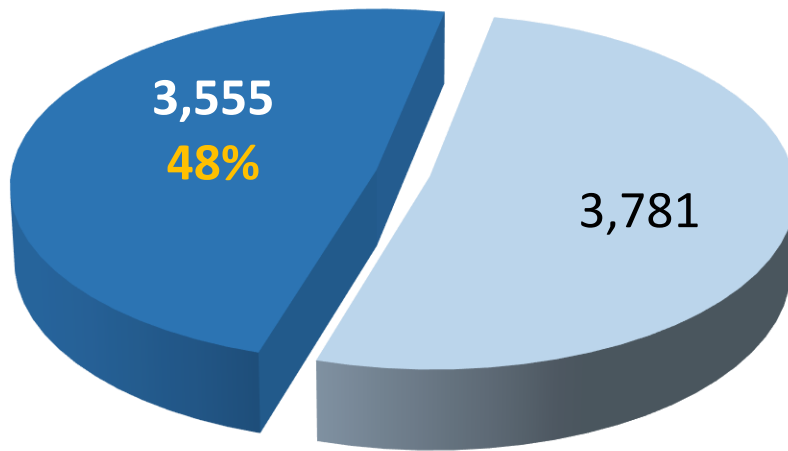
■ AP Exam Takers ■ No AP Exam



Source: KYSTATS

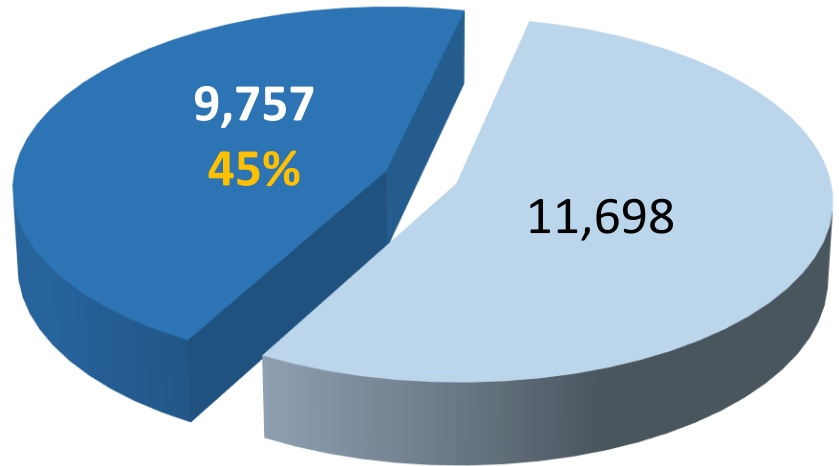
Control Group

■ AP QS Earner ■ No AP QS



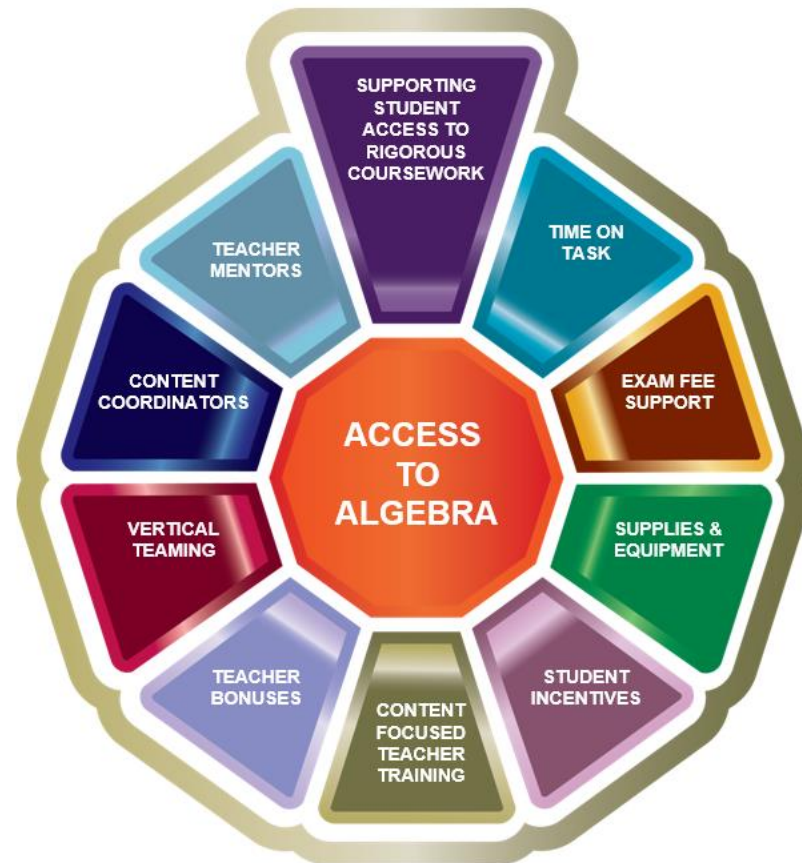
AdvanceKentucky

■ AP QS Earner ■ No AP QS



Source: KYSTATS

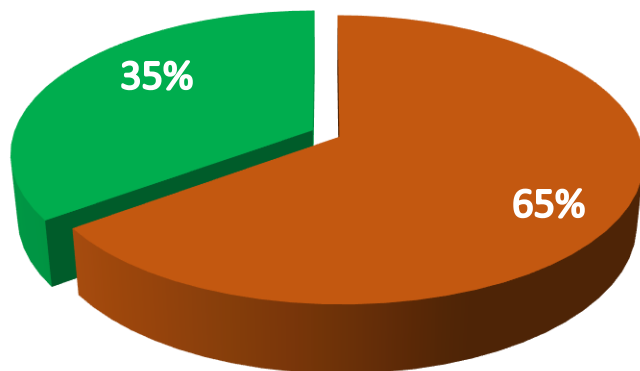
The Access to Algebra program seeks to increase the number of students on track to meet college readiness math benchmarks by the time they enter high school.



Access to Algebra

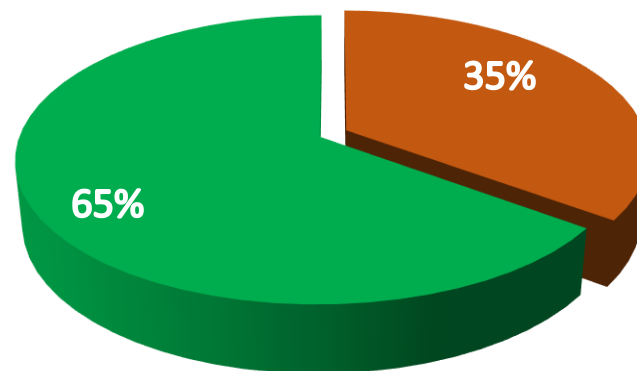
Cohort 1 Longitudinal Performance

2018
Seventh Grade



- More Than One Year Below Grade Level
- On Track or at Grade Level Benchmark

2019
Eighth Grade

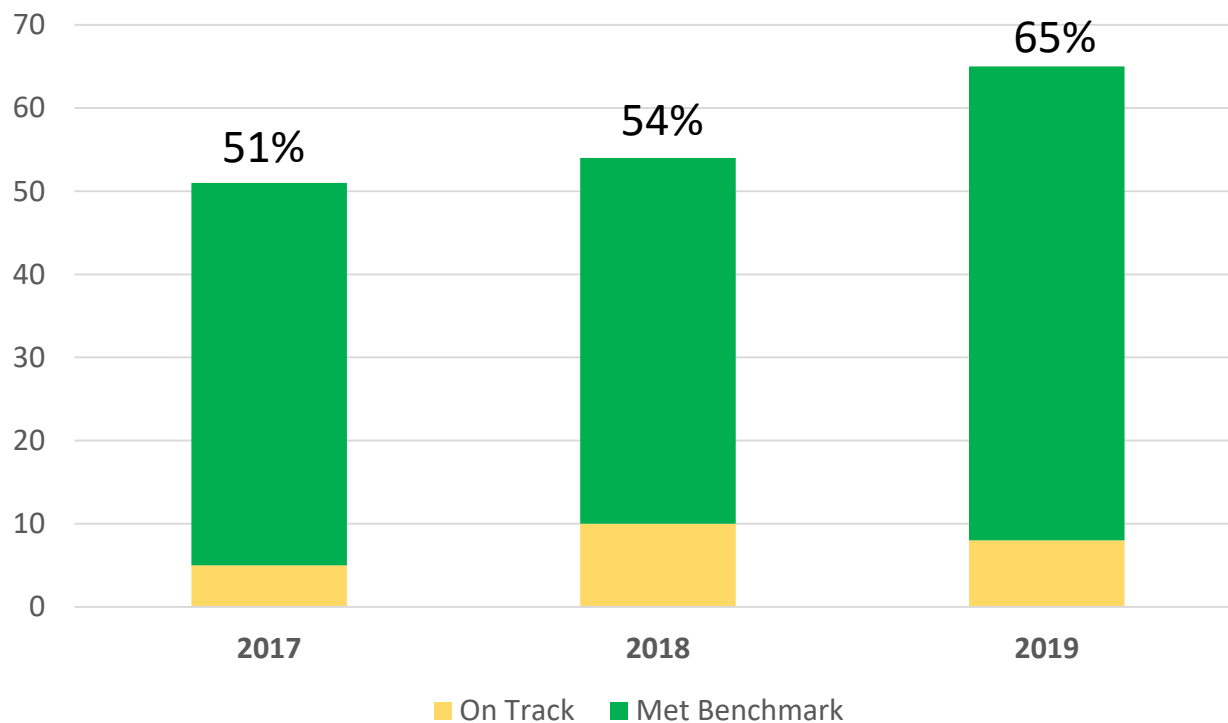


- More Than One Year Below Grade Level
- On Track or At Grade Level Benchmark

Note: Students in seventh grade identified as more than one year below grade level are 30 or more points below eighth grade benchmark.

Source: AdvanceKentucky and College Board

Percentage of Eighth Grade Students on Track to Meet Math Benchmark



Source: AdvanceKentucky and College Board



Supports Grades K-12

- CS Fundamentals (grades K-5)
- CS Discoveries (grades 6-10)
- AP CS Principles (grades 9-12)

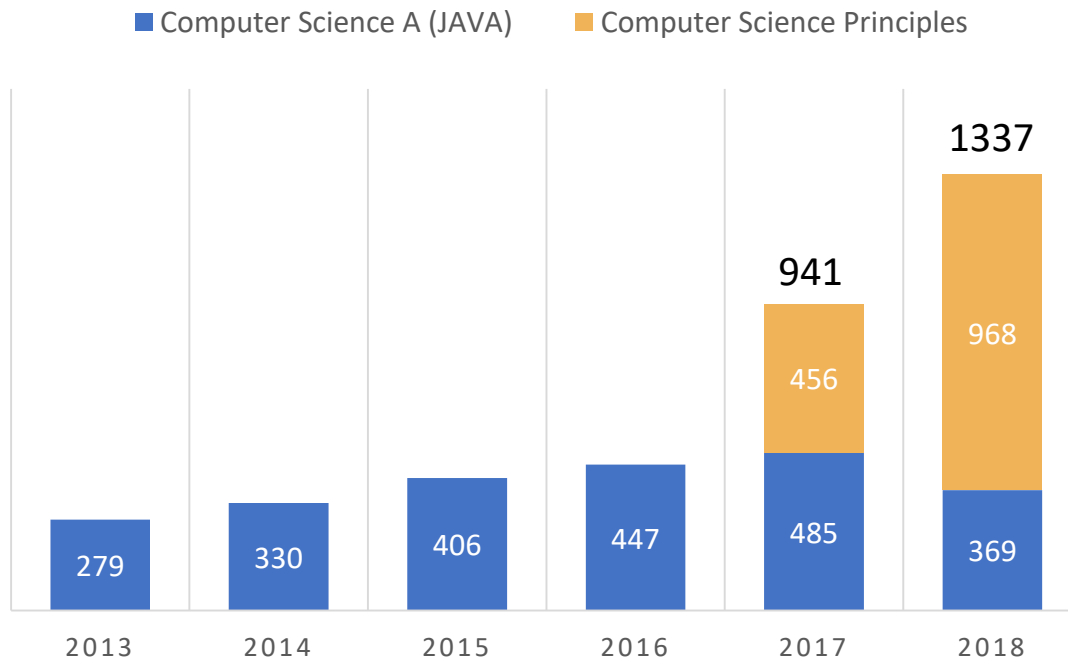
CSD and CSP Training

- Summer Professional Development (5 days)
- 4 one-day workshops during academic year

CSF Training

- 2 One-day Workshops

Number of AP CS Exams (All)

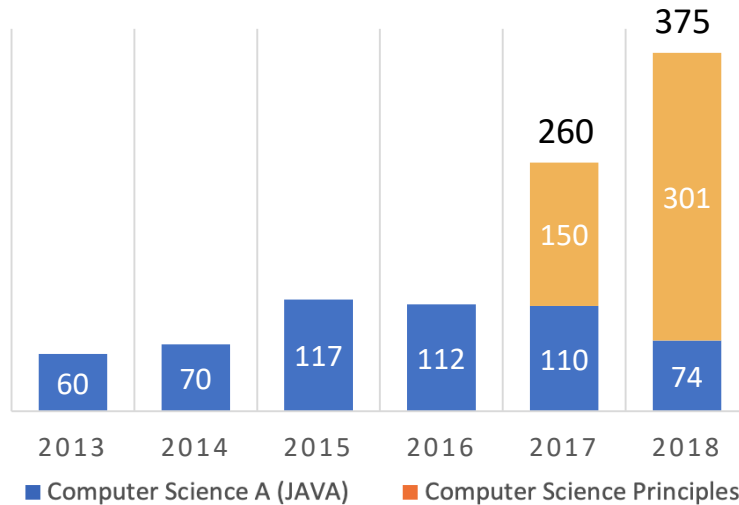


112%
increase in
CS
Principles
exams in
one year
(2017-2018)

Source: College Board

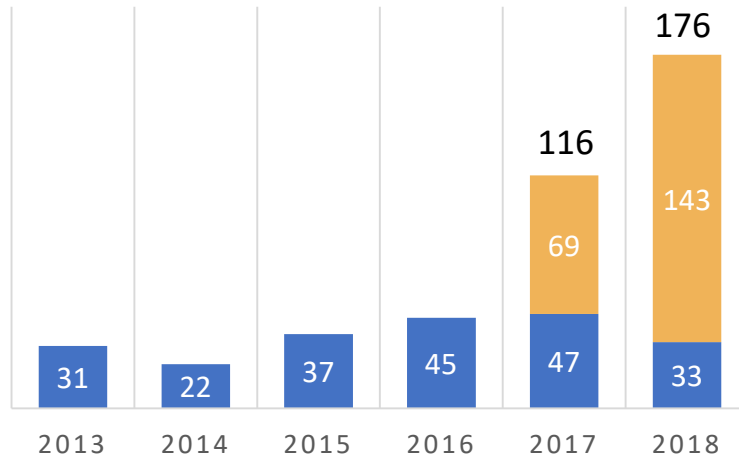
Computer Science Initiatives

Growth of CS Principles (Female & Minority)



Number of AP CS Exams (Female)

- **235%** increase since the addition of AP CS Principles
- Female students represented **22%** of all exams in 2013 and **28%** of all exams in 2018



Number of AP CS Exams (Minority)

- **291%** increase since the addition of AP CS Principles
- **Minority students represented 11%** of all exams in 2013 and **13%** of all exams in 2018

Source: College Board

Fiscal Year	Funding
FY20 Base	\$1.7 M
FY21 Request	\$2.5 M
FY22 Request	\$2.5 M