



JEFFERSON COUNTY PUBLIC SCHOOLS OFFERS ADVANCE OPPORTUNITIES

Dr. Dewey Hensley

Mr. John Marshall

Dr. Robert Rodosky

June 24, 2013



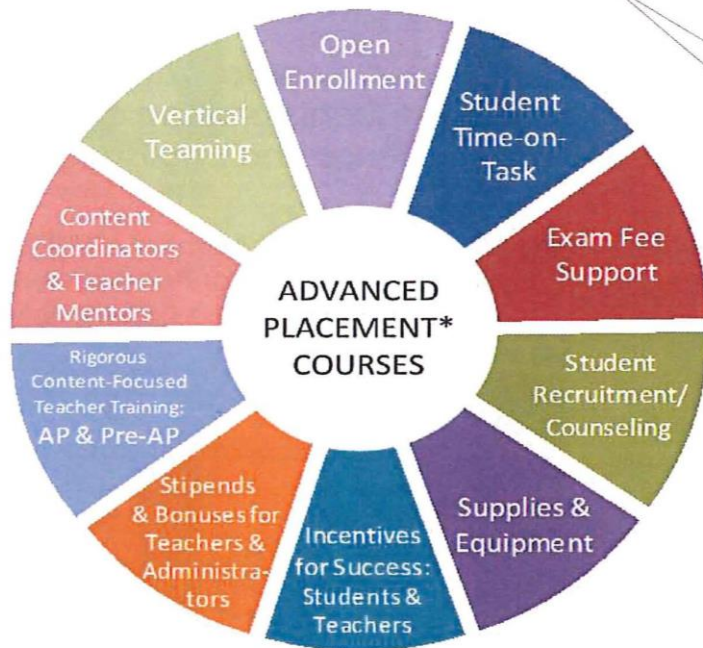
AGENDA

- AdvanceKentucky
- Advanced Placement
- Advance Program

AdvanceKentucky - Overview

AdvanceKentucky is a statewide math-science initiative dedicated to helping Kentucky's students reach new heights in rigorous academic achievement. Begun in 2007, this is a partnership among Kentucky Science and Technology Corporation (KSTC), Kentucky Department of Education and the National Math and Science Initiative (NMSI) and several other sponsors.

Elements of Success



Schools make a substantial commitment to "open enrollment" and the other Elements of Success to achieve record-breaking results in rigorous student learning.

The eligible math, science and English (MSE) AP courses include:

- Calculus (AB, BC)
- Statistics
- Computer Science
- Biology
- Chemistry
- Physics
- Environmental Science
- English language
- English literature

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www.advanceky.com
advanceky@kstc.com
www.nationalmathandscience.org

AdvanceKentucky - Cohorts

Schools begin application in the spring/summer and are visited by the AdvanceKY team in the fall. Then, AdvanceKY invites schools they believe have the most potential to implement the model. AdvanceKY is one of the recommended strategies from KDE to improve readiness rates and they partially fund the model through the state's Race to the Top monies.

- Cohort 1 (12 Schools in 08-09)
- Cohort 2 (16 Schools in 09-10)
- Cohort 3 (16 schools in 10-11)
- Cohort 4 (20 schools in 11-12)

15 high schools invited to participate in Cohort 5 (12-13)

- Clinton County
- Danville
- Frankfort
- Garrard County
- Lincoln County
- Logan County
- ❖ **Moore**
- Murray
- North Hardin
- Owensboro
- Russell
- Russellville
- South Floyd
- ❖ **Valley**
- ❖ **Waggener**

10 high schools invited to participate in Cohort 6 (13-14)

- Bullitt Central
- East Carter
- ❖ **Fern Creek**
- Holmes
- Madison Central
- Madison South
- McCracken County
- North Bullitt
- ❖ **Seneca**
- ❖ **Southern**

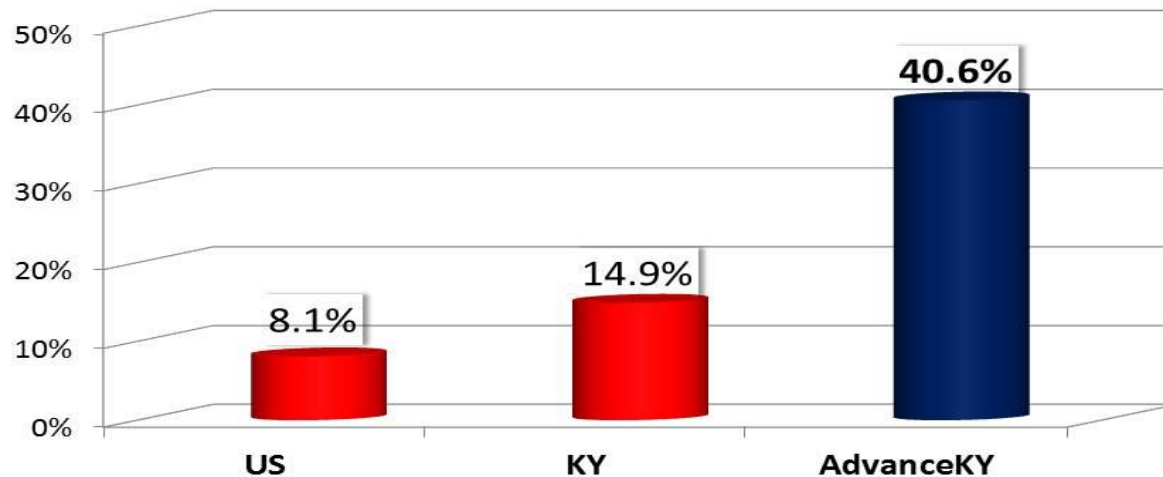
AdvanceKentucky - Results

2011 OVERALL GAINS

Forty-four (44) high schools achieved **3,526** AP math, science, English (MSE) qualifying scores (QS) or a **40.6%** increase above 2010 compared to U.S. and Kentucky increases of 8.1% and 14.9%, respectively—AdvanceKentucky schools gained at **five times** the national rate.

Percent Increase in Total AP MSE QS from 2010 to 2011

All Cohorts: 44 Schools





Advanced Placement - Overview

- **AP Courses**

- College-level with support of a high school environment
- Prepares students for success in college and beyond

- **AP Exams**

- AP courses concludes with a college-level exam
- Most two- and four-year colleges recognize AP

- **AP Exam Fees**

- Each exam is \$89
- Waivers for students approved for Free/Reduced lunch
 - College Board provides a \$28 fee reduction per exam
 - Schools may forgo its \$8 rebate
 - Kentucky provides federal funds to supplement the College Board fee
(there is a potential loss of federal funds due to sequester cuts)

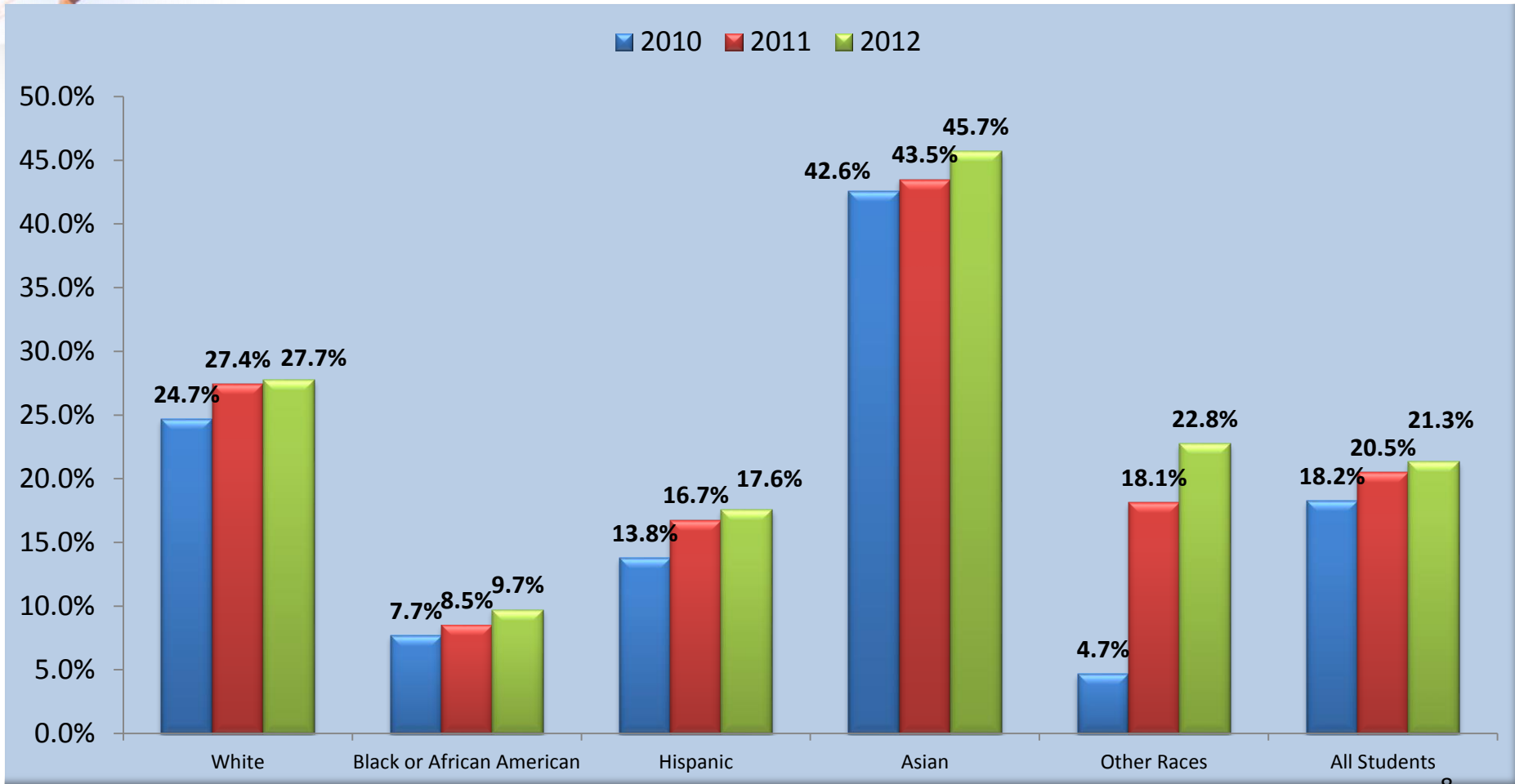
Advanced Placement Courses Offered by School

High Schools	JCPS Offers 31 out of the 34 courses available																																	
	AP FRENCH LANGUAGE & CULTURE	AP GERMAN LANGUAGE & CULTURE	AP JAPANESE LANG & CULTURE	AP LATIN VERGIL	AP SPANISH LANGUAGE	AP SPANISH LITERATURE	ART HISTORY AP	BIOLOGY AP	CALCULUS AB AP	CALCULUS BC AP	CHEMISTRY AP	COM GOV POL AP	COMPUTER SCI A AP	ENG LA COM AP	ENG LIT COM AP	ENVIRON SCI AP	EURO HISTORY AP	HUMAN GEOGRAPHY AP	MACRO ECON AP	MICRO ECON AP	MUSIC THEORY AP	PHYSICS B AP	PHYSICS C - MECH AP	PSYCHOLOGY AP	STATISTICS AP	STUDIO 2-D DESIGN AP	STUDIO 3-D DESIGN AP	STUDIO DRAWING AP	US GOV POL AP	US HISTORY AP	WORLD HIST AP	Total Courses		
Atherton*														✓	✓			✓			✓										✓	✓	6	
Ballard	✓		✓	✓	✓			✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓			✓	✓	✓	✓			✓	✓	22	
Brown								✓	✓					✓	✓		✓	✓							✓	✓							8	
Butler Traditional									✓									✓							✓						✓	✓	5	
Central									✓					✓	✓			✓													✓	✓	6	
Doss									✓					✓	✓			✓													✓	✓	6	
Dupont Manual	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	27	
Eastern	✓	✓			✓			✓	✓	✓	✓			✓	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	21	
Fairdale								✓	✓	✓				✓	✓	✓		✓							✓						✓	✓	9	
Fern Creek Traditional							✓	✓	✓					✓	✓		✓	✓				✓			✓				✓		✓		11	
Iroquois																		✓													✓	✓	3	
Jeffersontown							✓		✓					✓	✓	✓	✓	✓							✓						✓		9	
Louisville Male	✓			✓				✓	✓		✓			✓	✓	✓		✓				✓		✓	✓			✓	✓	✓	✓	✓	16	
Moore Traditional								✓	✓					✓	✓	✓																	5	
Pleasure Ridge Park								✓	✓		✓			✓	✓			✓				✓			✓	✓			✓		✓	✓	12	
Seneca High				✓				✓	✓					✓	✓			✓													✓	✓	9	
South Park Tapp															✓															✓			2	
Southern High					✓	✓			✓					✓	✓			✓							✓							✓	8	
The Academy @ Shawnee																																	0	
Valley Traditional								✓	✓				✓	✓	✓	✓		✓							✓					✓	✓	✓	11	
Waggener High								✓	✓		✓			✓	✓	✓		✓								✓			✓		✓	✓	11	
Western High															✓			✓							✓							✓	4	
Westport Tapp											✓			✓	✓																		3	
District	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31	

*Atherton also offers International Baccalaureate (IB) Courses

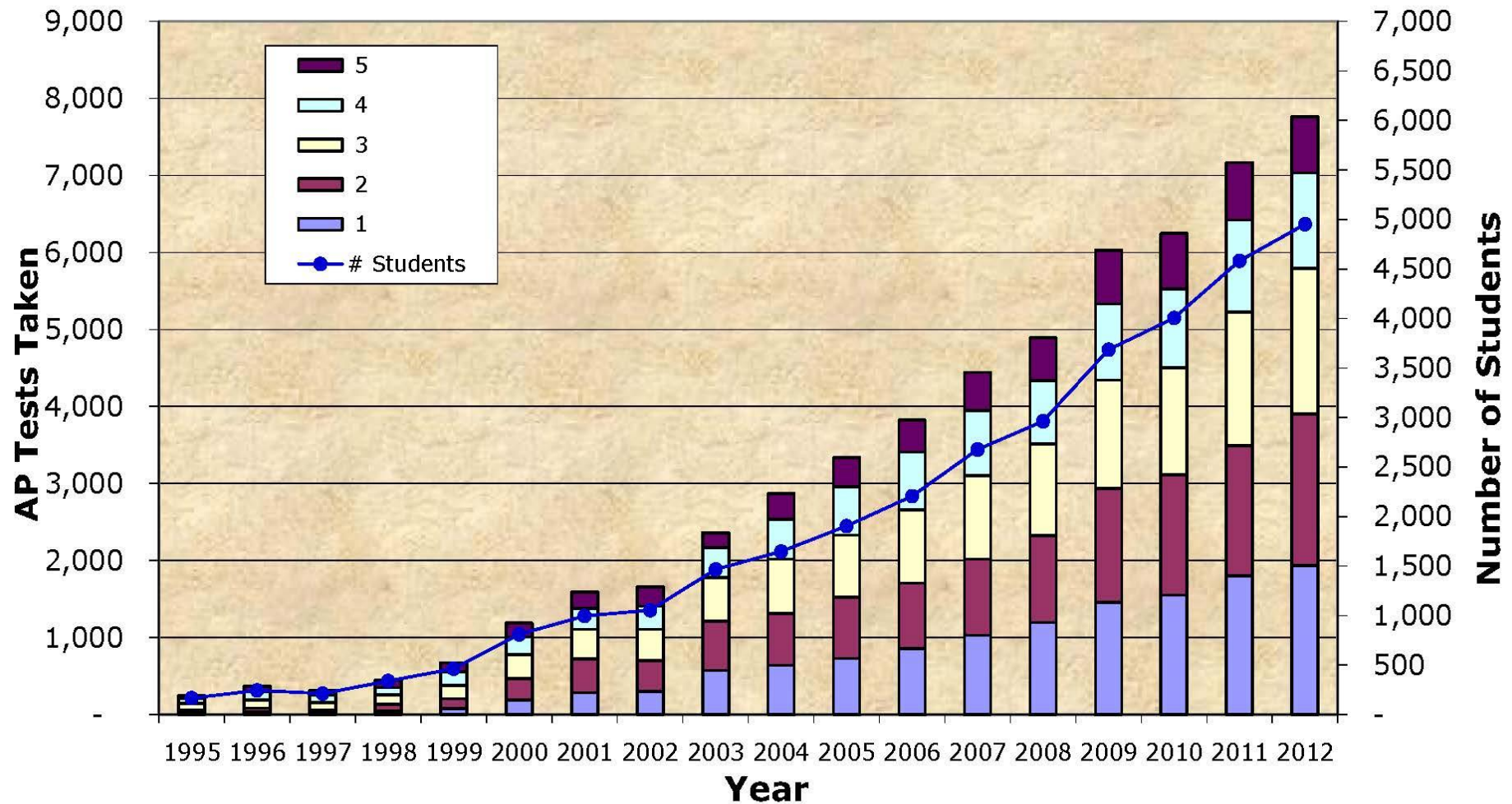
Percent of Students Enrolled in Advanced Placement Courses

(3 yr Trend)



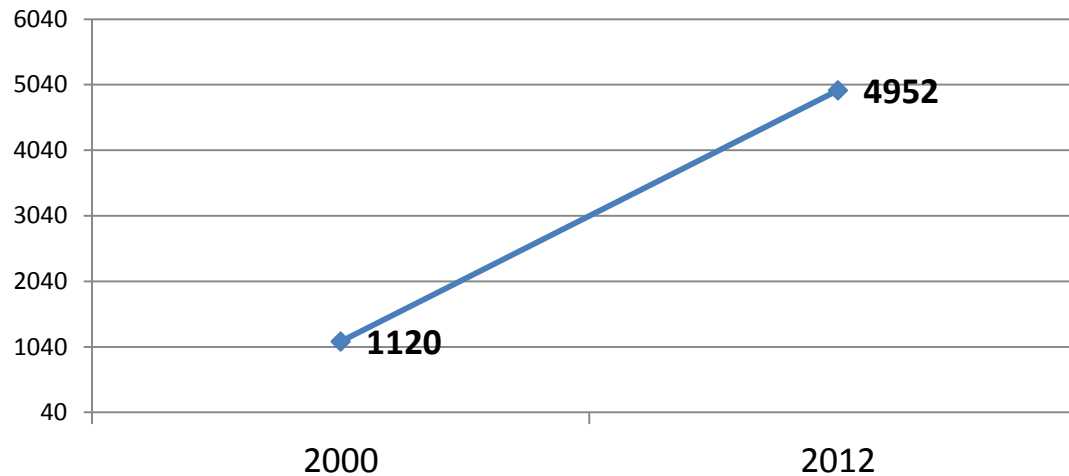
AP Performance – Score Distributions

Number of Students Taking One or More AP Exam

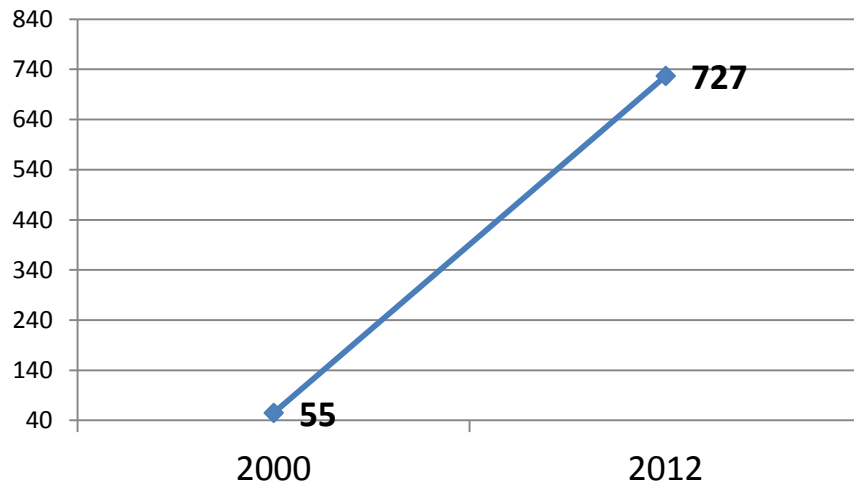


Distinct Number of Students Taking AP Exams Since 2000

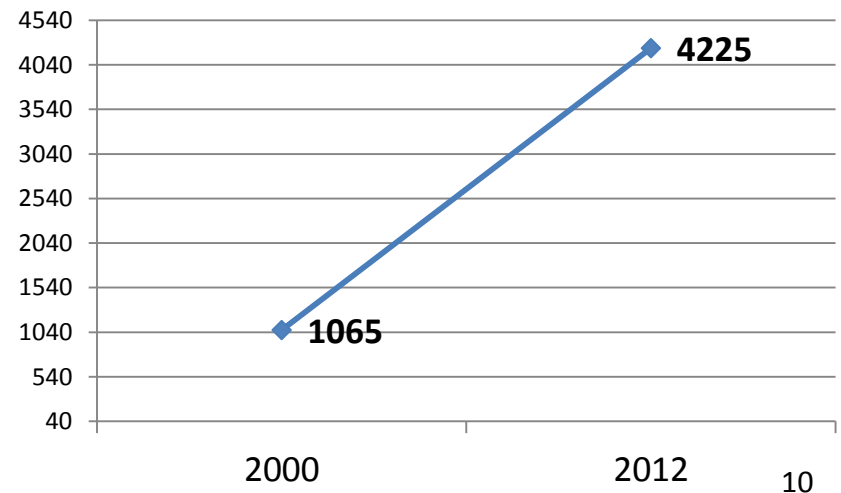
All Students




African American or Black



Other Ethnicities





Advanced Placement Growth – District

(3 yr Trend for All Students Taking AP Exams)

Year	Total Test Taken^	Total Students	Scores					Pass Rate 3 or Higher	Growth in Pass Rate	Growth in Number of Students
			1	2	3	4	5			
2010	6,249	4,005	24.82%	25.01%	22.24%	16.39%	11.54%	50.17%		
2011	7,167	4,582	25.18%	23.51%	24.25%	16.65%	10.41%	51.30%	1.14%	577
2012	7,762	4,952	24.93%	25.41%	24.31%	15.98%	9.38%	49.67%	-1.64%	370

^Total Test Taken includes duplicate count of students who took one or more Advanced Placement Exam

AP Exam scores are reported on a 5-point scale as follows:

5 Extremely well qualified

4 Well qualified

3 Qualified

2 Possibly qualified

1 No recommendation



Advanced Placement Growth – District

(3 yr Trend for African American Students Taking AP Exams)

Year	Total Test Taken^	Total Students	Scores					Pass Rate 3 or Higher	Growth in Pass Rate	Growth in Number of Students
			1	2	3	4	5			
2010	718	512	43.73%	29.81%	16.30%	6.55%	3.62%	26.46%		
2011	818	609	41.81%	27.63%	19.44%	8.31%	2.81%	30.56%	4.10%	97
2012	987	727	44.17%	30.90%	15.40%	6.48%	3.04%	24.92%	-5.64%	118

^Total Test Taken includes duplicate count of students who took one or more Advanced Placement Exam

AP Exam scores are reported on a 5-point scale as follows:

- 5 Extremely well qualified
- 4 Well qualified
- 3 Qualified
- 2 Possibly qualified
- 1 No recommendation



Advanced Placement Growth – District

(3 yr Trend for Hispanic Students Taking AP Exams)

Year	Total Test Taken^	Total Students	Scores					Pass Rate 3 or Higher	Growth in Pass Rate	Growth in Number of Students
			1	2	3	4	5			
2010	157	104	32.48%	29.30%	11.46%	14.65%	12.10%	38.22%		
2011	229	147	32.31%	22.71%	23.14%	14.85%	6.99%	44.98%	6.76%	43
2012	287	204	28.57%	28.57%	23.34%	14.63%	4.88%	42.86%	-2.12%	57

^Total Test Taken includes duplicate count of students who took one or more Advanced Placement Exam

AP Exam scores are reported on a 5-point scale as follows:

5 Extremely well qualified

4 Well qualified

3 Qualified

2 Possibly qualified

1 No recommendation



SUPPORT STRATEGIES and INCENTIVES for Advanced Placement

- **Principals and AP coordinators have achieved growth by focusing on underserved populations employed through various strategies including:**
 - Increasing Access to AP course by providing more opportunities
 - Use of EXPLORE/PLAN results to target interventions and planning
 - Trimester Scheduling – Acceleration two ways
- **Schools will provide additional support through the following programs:**
 - Laying the Foundation (Pre-AP® training)
 - AdvanceKentucky
 - AP® Potential
- **Incentives include:**
 - College Credit
 - Weighted GPA
 - Weighted KEES award
 - Bonus KEES award to students approved for F/R lunch



Advance Program - Overview

Program Description

- Offered at each level
- Serves academically gifted students
- Curriculum designed to meet students' accelerated needs
- PROJECT REACH – Summer program for minority students

Program Locations for 13-14

- Elementary Schools -41 total
- Middle schools -20 total
- High schools -18 total
- District Total –79 Advance Program sites

STUDENTS ENROLLED IN ADVANCE PROGRAM: 2012-13

Level	Total	African American	Hispanic	Other	White
Elementary	1,638	17.5%	2.6%	10.5%	69.4%
Middle	3,693	16.1%	3.4%	9.1%	71.4%
High	3,886	14.9%	2.7%	8.9%	73.5%
Combined	103	17.5%	8.7%	2.9%	70.9%
Total	9,320	15.9%	3.0%	9.2%	71.9%



RECOMMENDATION ON FUTURE EXPANSION for Advance Program

- **Currently exploring the possibility of all elementary schools becoming Advance Program sites for the 2014-15 school year.**
- **Advance Program – AP Potential Pilot Project**
 1. Identify minority students who have the potential to succeed in the Advance Program.
 - CogAT activities for Grade 2 students
 - Policy for administering the CogAT to all Grade 3 students
 2. Provide support systems for student success and sustainability



*Jefferson County
Public Schools*

Shaping the Future