



**JEFFERSON COUNTY
PUBLIC SCHOOLS**

NATIONAL ASSESSMENT
OF EDUCATIONAL
PROGRESS

Trial Urban District Assessment

THE NATION'S REPORT CARD

Reading and Math 2015

Trial Urban District Assessment (TUDA)

Grades 4 and 8

Jefferson County Public Schools

November 9, 2015

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Overall Reading and Math

HOW DID WE DO?

- Summary for JCPS and Urban Districts
- Student Group Performance
- Cohort Analysis

2015 TUDA Reading

> Scored Higher than JCPS	x Scored the Same as JCPS	< Scored Lower than JCPS
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JCPS scored higher than 14 districts in Grade 4 and higher than 11 Districts in Grade 8

Grade 4 2015 Average Scale Scores		
Hillsborough County (FL)	>	230
Kentucky	>	228
Miami-Dade	x	226
Charlotte	x	226
Duval County (FL)	x	225
Jefferson County (KY)		222
National public	x	221
Austin	x	220
Boston	x	219
San Diego	<	216
New York City	<	214
District of Columbia (DCPS)	<	214
Large city	<	214
Chicago	<	213
Atlanta	<	212
Houston	<	210
Albuquerque	<	207
Los Angeles	<	204
Dallas	<	204
Philadelphia	<	201
Baltimore City	<	199
Fresno	<	199
Cleveland	<	197
Detroit	<	186

Grade 8 2015 Average Scale Scores		
Kentucky	>	268
Miami-Dade	x	265
National public	x	264
Duval County (FL)	x	264
Charlotte	x	263
San Diego	x	262
Austin	x	261
Jefferson County (KY)		261
Hillsborough County (FL)	x	261
Boston	x	258
New York City	x	258
Chicago	x	257
Large city	<	257
Atlanta	<	252
Houston	<	252
Albuquerque	<	251
Los Angeles	<	251
Dallas	<	250
Philadelphia	<	248
District of Columbia (DCPS)	<	245
Baltimore City	<	243
Fresno	<	242
Cleveland	<	240
Detroit	<	237

2015 TUDA MATH

> Scored Higher than JCPS	x Scored the Same as JCPS	< Scored Lower than JCPS
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JCPS scored higher than 9 districts in Grade 4 and higher than 7 districts in Grade 8.

Grade 4 Average Scale Scores		
Charlotte	>	248
Austin	>	246
Hillsborough County (FL)	>	244
Duval County (FL)	>	243
Miami-Dade	>	242
Kentucky	>	242
National public	>	240
Houston	x	239
Dallas	x	238
Jefferson County (KY)	>	236
Boston	x	236
Large city	x	234
San Diego	x	233
District of Columbia (DCPS)	x	232
Chicago	x	232
New York City	<	231
Albuquerque	<	231
Atlanta	<	228
Los Angeles	<	224
Cleveland	<	219
Fresno	<	218
Philadelphia	<	217
Baltimore City	<	215
Detroit	<	205

Grade 8 Average Scale Scores		
Charlotte	>	286
Austin	>	284
National public	>	281
Boston	>	281
San Diego	>	280
Kentucky	>	278
Houston	x	276
Hillsborough County (FL)	x	276
New York City	x	275
Chicago	x	275
Duval County (FL)	x	275
Miami-Dade	x	274
Large city	x	274
Jefferson County (KY)	>	272
Dallas	x	271
Albuquerque	x	271
Philadelphia	x	267
Atlanta	<	266
Los Angeles	<	263
District of Columbia (DCPS)	<	258
Fresno	<	257
Baltimore City	<	255
Cleveland	<	254
Detroit	<	244

JCPS math scores in both Grade 4 and 8 were lower than the National Public but the same as Large City

JCPS Outpacing the Nation and State in Average Scale Score GAINS from 2009 to 2015

READING

Grade 4	2009	2015	Gains
JCPS	219	222	3
Kentucky	226	228	2
Nation	221	223	2
National public	220	221	1

Grade 8	2009	2015	Gains
JCPS	259	261	2
Kentucky	267	268	1
Nation	264	265	1
National public	262	264	2

MATH

Grade 4	2009	2015	Gains
JCPS	233	236	3
Kentucky	239	242	3
Nation	240	240	0
National public	239	240	1

Grade 8	2009	2015	Gains
JCPS	271	272	1
Kentucky	279	278	-1
Nation	283	282	-1
National public	282	281	-1

“Jefferson County continued to move upwards on the most recent national report card of academic performance. The district’s results outpaced national trends in a number of areas at a time when averages across the country were significantly down. The uptick in Jefferson County’s scores indicate that the school system is making substantial progress in implementing new college and career-ready standards and important headway in boosting student achievement.”

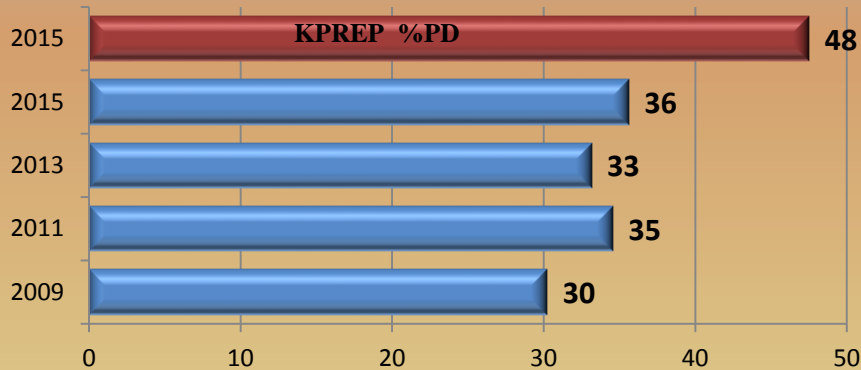
*--Michael Casserly, Executive Director
Council of the Great City Schools*

2015 TUDA vs 2015 KPREP

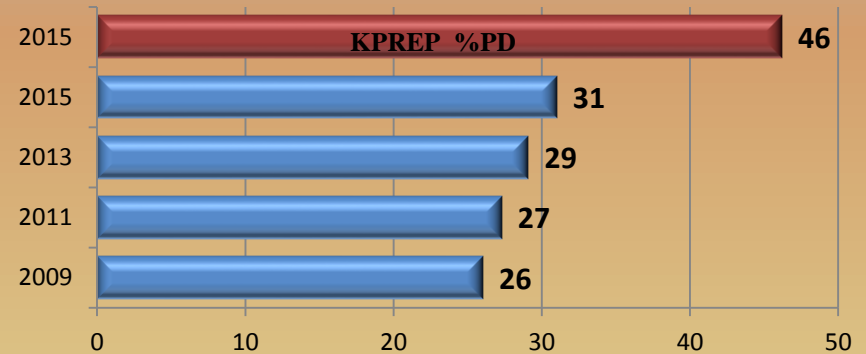
Percent (At or Above Proficient)

Is JCPS moving in the right direction?

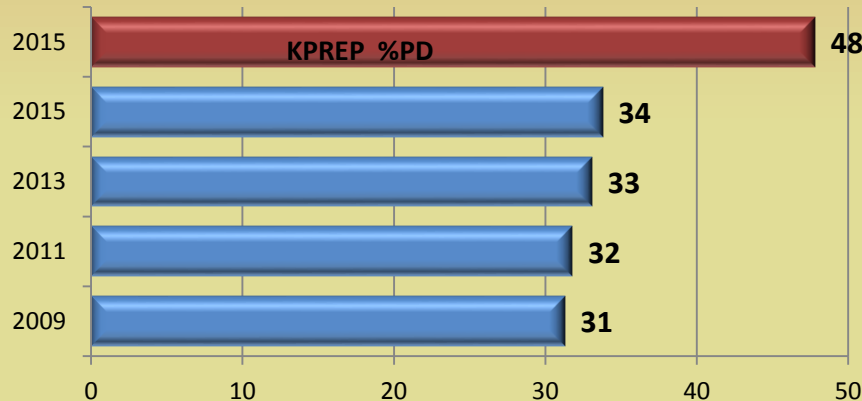
Grade 4 Reading - All Students



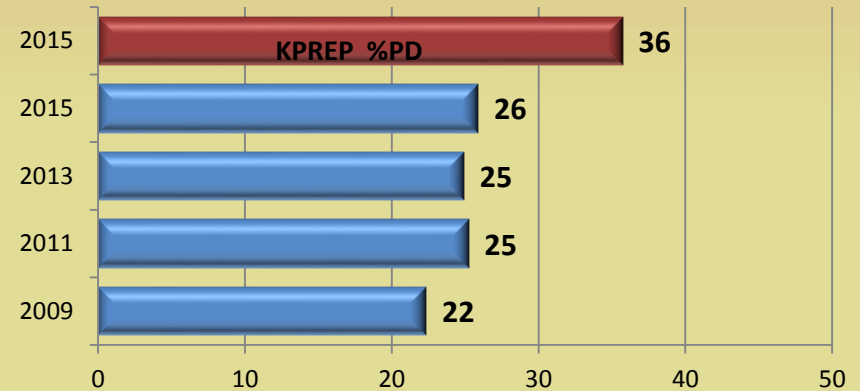
Grade 8 Reading - All Students



Grade 4 Math - All Students



Grade 8 Math - All Students



TUDA Average Scale Score Results

Gains from 2013 to 2015 by Subgroups

White students held steady while African American students and students eligible for free / reduce price lunch made gains in Reading and Grade 4 Math.

Hispanic students made gains in all areas except for Grade 4 Reading.

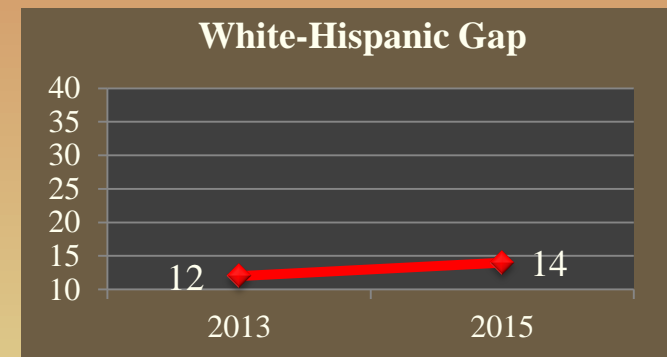
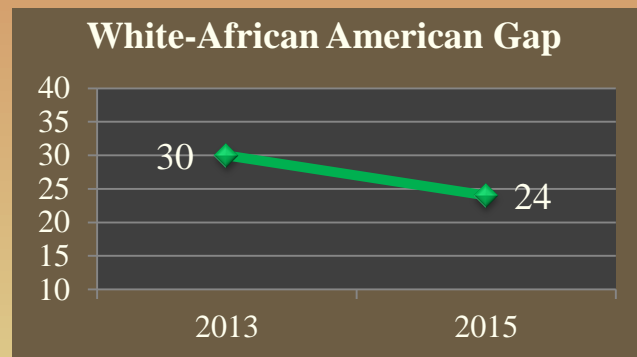
	White			African American			Hispanic			Eligible for FR Lunch		
	2013	2015	Gains	2013	2015	Gains	2013	2015	Gains	2013	2015	Gains
Grade 4 Reading	233	232	-1	203	208	5	221	217	-4	209	213	4
Grade 8 Reading	271	271	0	243	247	4	258	260	2	249	251	2
Grade 4 Math	245	245	0	220	225	5	224	226	2	224	229	5 *
Grade 8 Math	285	285	0	257	252	-5	265	266	1	261	258	-3

2015 TUDA Student Groups Performance (Average Scale Scores) Is JCPS Reducing the Gap in Reading?

JCPS White & African American and White & Hispanic Gaps are lower than National Public and Large City. JCPS is reducing gaps except for grade 4 White-Hispanic.

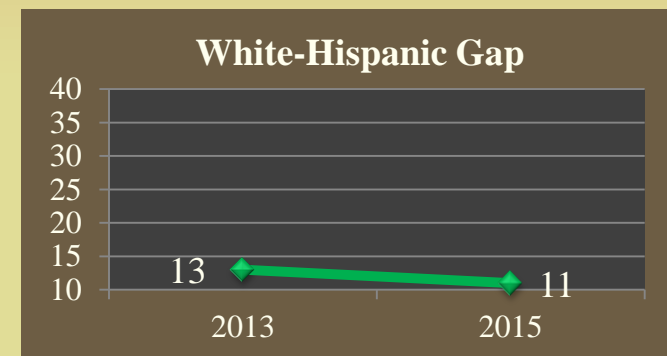
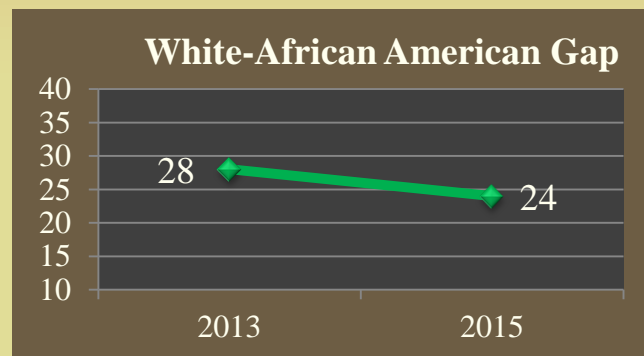
READING Grade 4

GRADE 4 Jurisdiction	Difference btwn. White and African American	Difference btwn. White and Hispanic
National public	-26	-24
Large city	-32	-29
Jefferson County (KY)	-24	-14



READING Grade 8

GRADE 8 Jurisdiction	Difference btwn. White and African American	Difference btwn. White and Hispanic
National public	-26	-21
Large city	-30	-26
Jefferson County (KY)	-24	-11

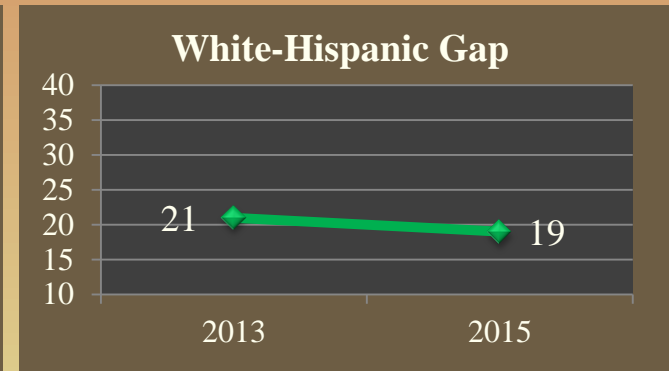
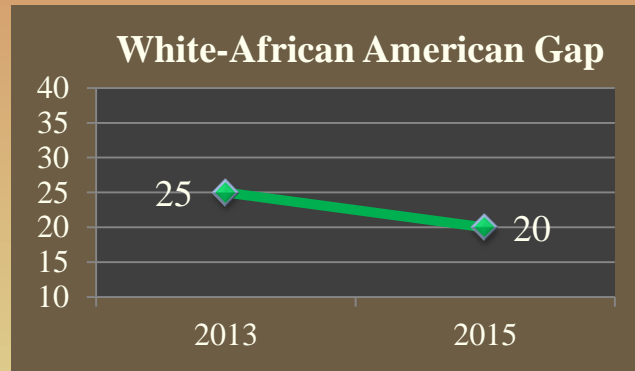


2015 TUDA Student Groups Performance (Average Scale Scores) Is JCPS Reducing the Gap in Math?

JCPS White & African American and White & Hispanic Gaps are lower than Large City and mixed when compared to the Nation. JCPS is reducing gaps except for grade 8 White-African American.

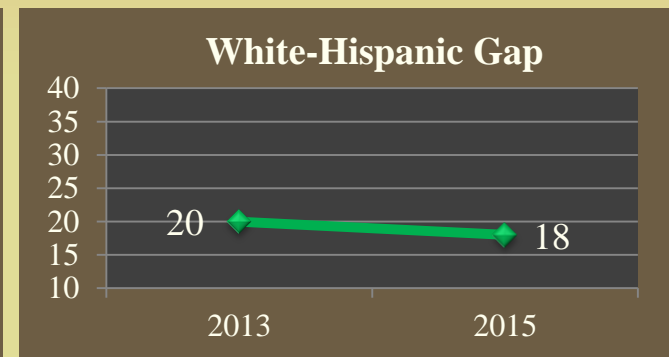
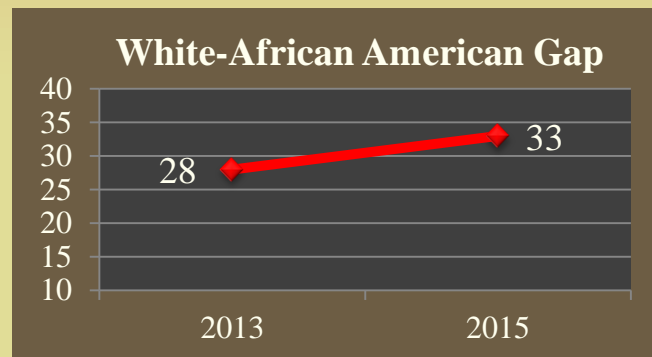
MATH Grade 4

GRADE 4 Jurisdiction	Difference btwn. White and African American	Difference btwn. White and Hispanic
National public	-24	-18
Large city	-30	-22
Jefferson County (KY)	-20	-19



MATH Grade 8

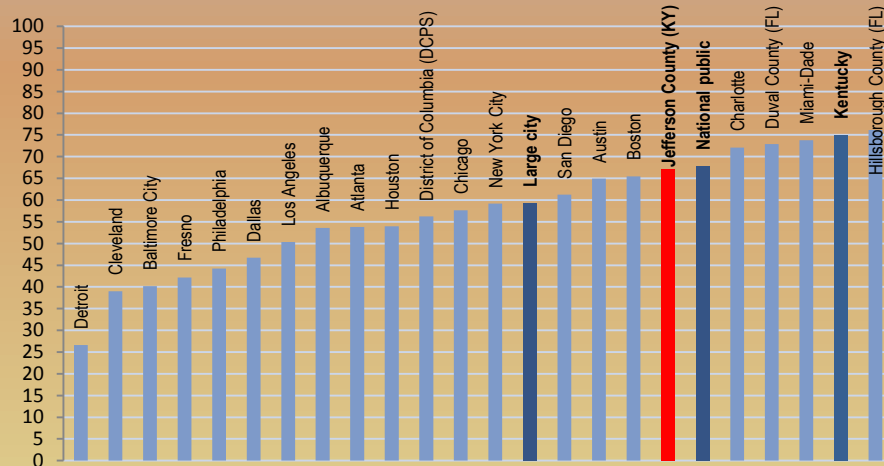
GRADE 8 Jurisdiction	Difference btwn. White and African American	Difference btwn. White and Hispanic
National public	-31	-22
Large city	-37	-28
Jefferson County (KY)	-33	-18



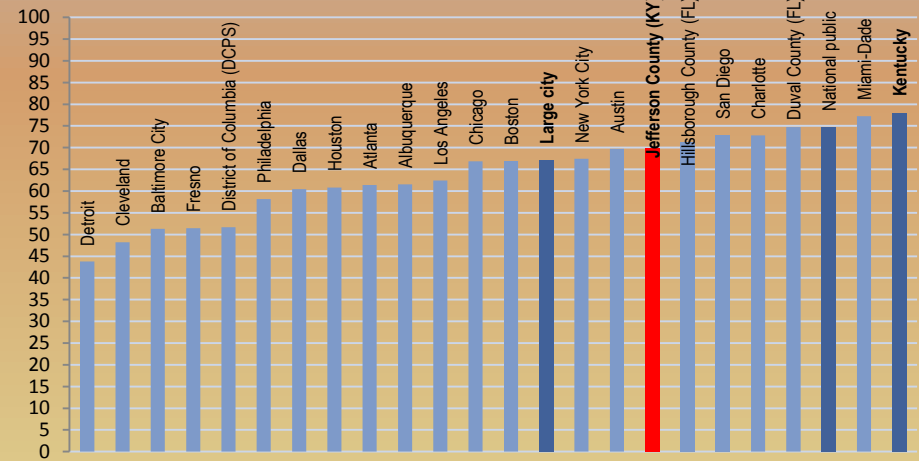
2015 TUDA Reading (At or Above Basic)

In 2015 grade 4 JCPS students scored higher than Large City and not significantly different from the Nation's Public Schools.

Grade 4 Percent At or Above Basic



Grade 8 Percent At or Above Basic




In the reading cohort students made gains in JCPS, Large City and Kentucky

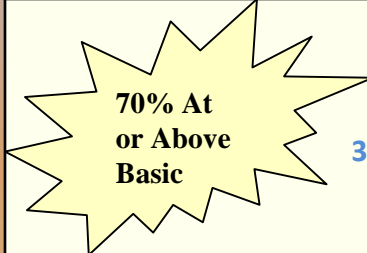
Cohort	JCPS	Large City	KY
Reading Grade 4 in 2011	68	55	72
Reading Grade 8 in 2015	70	67	78
Gains	2	12	6

TUDA Reading Items for Cohort

NAEP Reading Scale – Grade 4 in 2011

	500	
	//	
	340	
	268 Advanced	
	260	
	250	
	240	
	238 Proficient	
	230	
	226 Recognize explicitly stated dialogue from a story— Locate/Recall (MC)	
223 JEFFERSON COUNTY PUBLIC SCHOOLS		
223 Make an inference to recognize a causal relation in an expository text—Integrate/Interpret (MC)		
220 Interpret a character's statement to provide a character trait— Integrate/Interpret (CR)		
216 Recognize the meaning of a word as it is used in an expository text—Integrate/Interpret (MC)		
211 Make an inference to recognize the feelings of a speaker in a section of a poem—Integrate/Interpret (MC)		
210		
208 Basic		
200		
190		
180		
//		
0		

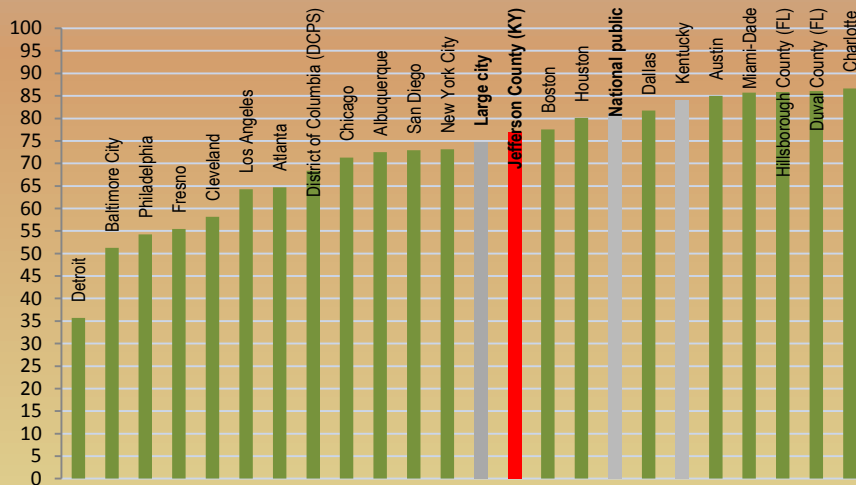
NAEP Reading Scale – Grade 8 in 2015

	500	
	//	
	330	
	323 Advanced	
	320	
	310	
	300	
	290	
	281 Proficient	
	280	
278 Recognize relevant detail embedded in a story—Locate/Recall (MC)		
270		
262 Use information from a section of an article to provide an explanation—Integrate/Interpret (MC)		
261 JEFFERSON COUNTY PUBLIC SCHOOLS		
261 Evaluate purpose of a text feature in relation to article— Critique/Evaluate (MC)		
253 Recognize supporting idea stated in article—Locate/Recall (MC)		
250		
243 Basic		
240		
210		
200		
//		
0		

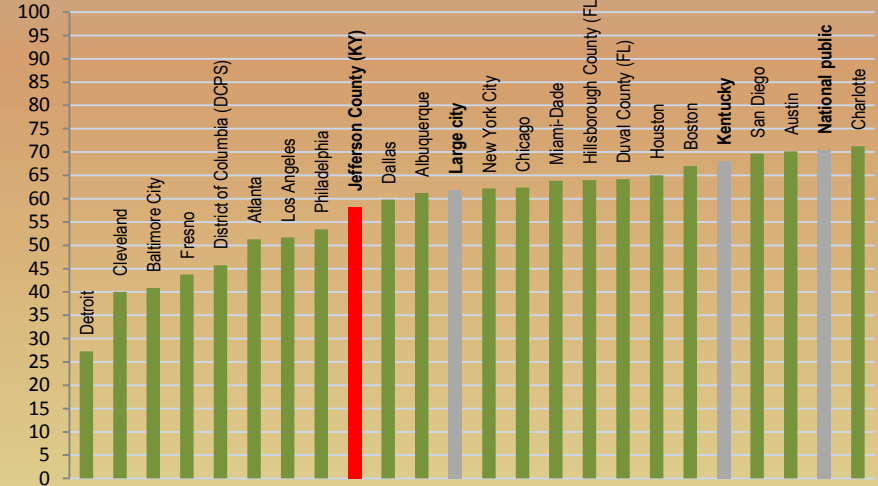
2015 TUDA MATH (At or Above Basic)

In 2015 grade 4 and grade 8 JCPS students scored lower than the Nation's Public Schools and not significantly different from Large City.

Grade 4 Percent At or Above Basic



Grade 8 Percent At or Above Basic



In the Math cohort students did not make gains in JCPS, Large City or Kentucky

Cohort	JCPS	Large City	KY
Math Grade 4 in 2011	78	74	85
Math Grade 8 in 2015	58	62	68
Gains	-20	-12	-17

Grade 8 KY Framework for Teaching

Focus Topics (FT10, FT11, FT12) for JCPS Grade 8 Students are taught after NAEP is administered. The NAEP assessment window is January to March.

F = Foundation; FT = Focus Topic		KCAS-M	Cycle 1	Cycle 2***	Cycle 3***	Cycle 4***
F 1	Algebraic Expressions and Equations	7.EE.B	2 MC NC (2)			
F 2	Graphing Proportional Relationships	7.RP.A.2	1 MC NC (1)			
FT 1	Solving Linear Equations in 1 Variable	8.EE.C.7	4 MC; 1 SA NC	1 MC		
FT 2	Graphing Proportional Relationships Including Similar Triangles & Unit Rates	8.EE.B	4 MC	1 MC NC (1)		
FT 3	Define, Compare, Evaluate, and Construct Linear Functions	8.F.A.1,2	4 MC; 1 ER	1 MC NC (1)		
FT 4	Define, Compare, and Evaluate Non-linear Functions	8.F.A.3		4 MC	1 MC NC (1)	
FT 5	Model and Analyze Function Relationships	8.F.B		4 MC; 1 SA NC (1) NC	1 MC NC (1)	
FT 6	Solving Systems of Equations	8.EE.C.8		4 MC; 1 ER	1 MC	
FT 7	Generate Equivalent Expressions with Integer Exponents	8.EE.A.1			4 MC; 1 SA NC (1)	1 MC NC (1)
FT 8	Evaluate Expressions with Square and Cube Root Symbols	8.EE.A.2; 8.NS.A.2			4 MC NC (1)	1 MC NC (1)
FT 9	Pythagorean Theorem	8.G.B			4 MC; 1 ER NC (1)	1 MC NC (1)
FT 10	Transformations: congruence/similarity	8.G.A.2,3,4				4 MC; 1 ER NC (1)
FT 11	Angle Relationships	8.G.A.5				4 MC
FT 12	Volume	8.G.C				4 MC; 1 SA
Test Summary			15 MC; 1 SA; 1 ER	15 MC; 1 SA; 1 ER	15 MC; 1 SA; 1 ER	15 MC; 1 SA; 1 ER

NEXT STEPS

for Reading and Math

- Work with ELA and Mathematics Specialists to review NAEP content data results for both reading and math.
- Identify components in our curriculum units and supporting materials that can be emphasized to eliminate gaps and misconceptions.
- Look for trends in student misconceptions and compare the NAEP student responses with student misconceptions identified on CASCADE assessments.
- Use the NAEP released items to support our district assessments.
- Use this data to inform our curriculum work and professional development with teachers.

Key Takeaways

- Overall, JCPS held steady in Reading and Math at both grade levels from 2013 to 2015
- Showed progress in closing the achievement gap in some areas, as African American, Hispanic students and students on free/reduced price lunch made gains
- JCPS performed better than large city average in Reading and on par with large city average in Math

More information about NAEP and TUDA available at: <http://nationsreportcard.gov/>

QUESTIONS?