THE NATION'S REPORT CARD
## Trial Urban District Assessment (TUDA)

Reading and Math 2017 Results
Grades 4 and 8
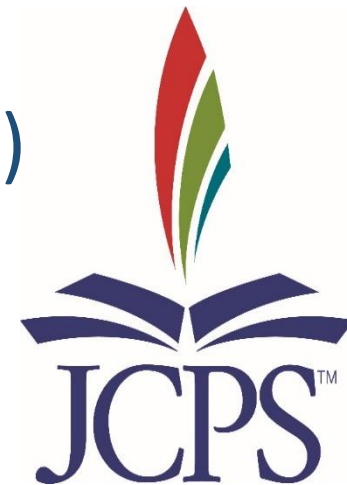
Jefferson County Board of Education Briefings
May 8, 2018

Key Takeaways

- Overall, JCPS held steady in Reading and Math at both grade levels from 2015 to 2017

- JCPS students in grade 4 Reading scored higher than Large City and the same as Large City for grade 8. While in Math grade 4 students are on par with Large City but significantly lower in grade 8.

- JCPS showed a need for improvement in closing the achievement gap among African American, Hispanic students and students on free/reduced price lunch.

- *"In the latest round of NAEP testing, the Jefferson County Public Schools held onto its previous gains and scored at national or big-city school averages in every grade-subject combination,". "More encouraging, however, is the fact that the new superintendent is already making the reforms and improvements necessary to substantially boost student outcomes in the years to come. I am very optimistic about Jefferson County's future."*
  -Michael Casserly, executive director of the Council of the Great City Schools
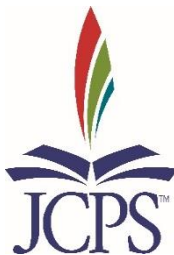
2017 TUDA Results

> Scored Higher than JCPS	**x** Scored the Same as JCPS
< Scored Lower than JCPS	

JCPS students in grade 4 Reading scored higher than Large City and the same as Large City for grade 8.
While in Math grade 4 students are on par with Large City but significantly lower in grade 8.

Grade 4 - Reading - 2017		
Miami-Dade	>	229
Hillsborough County (FL)	>	227
Duval County (FL)	>	226
Charlotte	x	225
Kentucky	x	224
Guilford County (NC)	x	222
San Diego	x	222
Jefferson County (KY)		**221**
National public	x	221
Boston	x	217
Austin	x	217
New York City	<	214
Atlanta	<	214
Denver	<	214
Clark County (NV)	<	213
Large city	<	213
District of Columbia (DCPS)	<	213
Chicago	<	211
Los Angeles	<	207
Albuquerque	<	207
Fort Worth (TX)	<	206
Houston	<	205
Shelby County (TN)	<	203
Fresno	<	203
Dallas	<	201
Philadelphia	<	197
Baltimore City	<	197
Cleveland	<	196
Milwaukee	<	195
Detroit	<	182

Grade 8 - Reading - 2017		
National public	>	265
Hillsborough County (FL)	>	265
Kentucky	>	265
San Diego	>	264
Duval County (FL)	x	263
Austin	x	263
Boston	x	261
Miami-Dade	x	261
Jefferson County (KY)		**261**
Charlotte	x	260
Guilford County (NC)	x	260
Chicago	x	259
Denver	x	258
Clark County (NV)	x	258
Large city	x	258
New York City	x	258
Albuquerque	<	255
Los Angeles	<	254
Atlanta	<	254
Houston	<	249
Philadelphia	<	248
Fort Worth (TX)	<	248
Shelby County (TN)	<	248
Dallas	<	246
District of Columbia (DCPS)	<	246
Milwaukee	<	245
Fresno	<	244
Baltimore City	<	243
Cleveland	<	237
Detroit	<	235

Grade 4 - Math - 2017		
Duval County (FL)	>	248
Miami-Dade	>	245
Hillsborough County (FL)	>	245
Charlotte	>	244
Austin	>	243
Guilford County (NC)	>	240
Kentucky	>	239
National public	>	239
San Diego	>	237
Houston	x	235
Dallas	x	234
Boston	x	233
Jefferson County (KY)		**233**
Chicago	x	232
Large city	x	232
Atlanta	x	231
District of Columbia (DCPS)	x	231
Fort Worth (TX)	x	230
Clark County (NV)	x	230
Albuquerque	x	230
New York City	<	229
Denver	<	229
Shelby County (TN)	<	225
Los Angeles	<	223
Fresno	<	221
Milwaukee	<	216
Baltimore City	<	215
Cleveland	<	214
Philadelphia	<	214
Detroit	<	200

Grade 8 - Math - 2017		
Charlotte	>	287
Austin	>	283
San Diego	>	283
National public	>	282
Boston	>	280
Kentucky	>	278
Hillsborough County (FL)	>	277
Guilford County (NC)	>	276
Chicago	>	276
Duval County (FL)	>	275
New York City	x	275
Large city	>	274
Miami-Dade	x	274
Houston	x	273
Clark County (NV)	x	272
Denver	x	272
Jefferson County (KY)		**271**
Albuquerque	x	270
Fort Worth (TX)	x	269
Dallas	x	268
Los Angeles	<	267
Atlanta	<	265
District of Columbia (DCPS)	<	262
Philadelphia	<	260
Cleveland	<	257
Shelby County (TN)	<	257
Baltimore City	<	255
Fresno	<	255
Milwaukee	<	254
Detroit	<	246

Student Group Results
TUDA Average Scale Score Gains from 2015 to 2017

White students held steady or improved while Black students declined including a significant decrease in Grade 4 Math. Hispanic students made gains in Math but declined in Reading. Students eligible for the National School Lunch Program declined.

	Significant Increase			White			Black			Hispanic			NSLP Eligible		
	Not Significant			2015	2017	Gains	2015	2017	Gains	2015	2017	Gains	2015	2017	Gains
	Significant Decrease														
Grade 4 Reading				232	235	3	208	203	-5	217	215	-2	213	211	-2
Grade 8 Reading				271	273	2	247	245	-2	260	256	-4	251	249	-2
Grade 4 Math				245	247	2	225	216	-9	226	230	4	229	224	-5
Grade 8 Math				285	285	0	252	253	1	266	269	3	258	258	0

JCPS
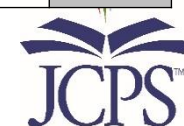
NAEP Reading Item Map Scale 2017

Grade 4

500
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340

268 Advanced

260

250

240

238 Proficient

235 JEFFERSON COUNTY PUBLIC SCHOOLS (White)

226 Recognize explicitly stated dialogue from a story—Locate/Recall (MC)

221 JEFFERSON COUNTY PUBLIC SCHOOLS (ALL)

220 Recognize explicitly stated information from an article—Locate/Recall (MC)

220 Interpret a character's statement to provide a character trait—Integrate/Interpret (CR)

218 Recognize reason explicitly stated in a story—Locate/Recall (MC)

216 Recognize meaning of word as used in an article—Integrate/Interpret (MC)

210

208 Basic

203 JEFFERSON COUNTY PUBLIC SCHOOLS (Black)

202 Interpret description to recognize how story character feels—Integrate/Interpret (MC)

180

//

0

Grade 8

500
//
330

323 Advanced

320

310

300

290

281 Proficient

278 Recognize reason from argument of article—Locate/Recall (MC)

273 JEFFERSON COUNTY PUBLIC SCHOOLS (White)

269 Recognize main purpose of informational article—Integrate/Interpret (MC)

264 Recognize main purpose of argument text—Integrate/Interpret (MC)

261 JEFFERSON COUNTY PUBLIC SCHOOLS (ALL)

261 Interpret phrase in context of the article—Locate/Recall (CR)

253 Recognize supporting idea stated in an article—Locate/Recall (MC)

245 JEFFERSON COUNTY PUBLIC SCHOOLS (Black)

243 Basic

240

210

200

//

0

NAEP Mathematics Item Map Scale 2017

Grade 4

500
//
330
290

282 Advanced

280
260

251 Interpret and complete a pictograph given a table—Correct (CR)

249 Proficient

247 JEFFERSON COUNTY PUBLIC SCHOOLS (White)

243 Estimate the weight of an object (calculator available) (MC)

233 JEFFERSON COUNTY PUBLIC SCHOOLS (ALL)

233 Compare two sets of related data given in a table (calculator available)—Partial (CR)

232 Measure a rectangle to determine the area—Minimal (CR)

229 Compose 4-digit number using place value (MC)

224 Interpret and complete a pictograph given a table—Partial (CR)

216 JEFFERSON COUNTY PUBLIC SCHOOLS (Black)

214 Basic

180
//
0

Grade 8

500
//
350

333 Advanced

330

299 Proficient

293 Use similarity to compute perimeter of a triangle (calculator available) (MC)

289 Compare measurements using unit conversions—Correct (CR)

285 JEFFERSON COUNTY PUBLIC SCHOOLS (White)

275 Determine the actual distance between points on a map—Partial (CR)

271 JEFFERSON COUNTY PUBLIC SCHOOLS (ALL)

271 Determine population of a city given density and area (calculator available) (MC)

270 Complete a table from a description of a linear relationship (calculator available)—Correct (CR)

262 Basic

261 Use order of operations (MC)

256 Determine the shortest path between two points—Correct (CR)

253 JEFFERSON COUNTY PUBLIC SCHOOLS (Black)

220
//
0

NEXT STEPS

- Work with the JCPS Teaching and Learning department to review NAEP results

- Collaborate across departments (DEP, ESL, ECE, etc.) to share resources to systematically target needs for specific populations

- Look for trends in student misconceptions to support and inform the work of teaching and learning

- Integrate the cognitive targets for reading and the levels of complexity for mathematics within the work of our district literacy numeracy backpack

- Use the NAEP released items and the item maps to support instructional planning

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