



## **EXPLORE – Kentucky School Districts’ Five-Year Ranking for Annual Rate of Progress and for 2011-12 EXPLORE Composite Scores**

The table in this paper analyzes the five-year performance of all 174 of Kentucky’s public school districts on EXPLORE testing from the ACT, Inc., which is used with all eighth grade public school students in the state.

The table lists the most recent five years of EXPLORE data available along with the annual rate of change in those scores based on a linear regression analysis, which produces an annual rate of progress figure for each school district. Rankings are based on rates of progress rounded to two significant figures.

Each district’s ranking is shown both for the 2011-12 EXPLORE Composite Score and for the annual rate of progress calculation from the regression analysis.

When a district’s EXPLORE Composite Score or rate of progress is below the statewide average, the score/rate and ranking number are shaded in pink.

When districts share a score or rate of progress, their rankings are equalized in the table.

Two school districts, Pendleton County and Russellville Independent, did not have scores for 2007-08, so their analysis is based on the regression analysis of only four years of data. This may introduce a small amount of unintended bias into these two districts’ results, but the impacts are likely to be small enough to warrant including both districts in the analysis presented herein.

Readers are reminded that the EXPLORE test is closely linked to the ACT college entrance test and provides a good indication if students are on track in the eighth grade to perform well in later high school courses and eventually in college and career related postsecondary education studies. The Kentucky legislature made it clear that a college and career focus is desired in Kentucky with the passage of Senate Bill 1 during the 2009 Regular Legislative Session. Thus, performance on the EXPLORE test through 2012 provides useful information on how well Kentucky’s school systems are reacting to this three-year old legislation. Certainly, the performance of school districts which show a very low or declining annual rate of progress in the accompanying table needs to be reviewed carefully.

Data Source: KDE 2011-12 EXPLORE Testing Excel Spreadsheet (Current version, which may have updates from the data used for the analysis in this paper, now on line at: <http://education.ky.gov/AA/Reports/Documents/EXPLOREAverage06071112.xls>).

*Table assembled by Richard G. Innes, Staff Education Analyst, Bluegrass Institute for Public Policy Solutions  
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## EXPLORE – Kentucky School Districts’ 5-Year Ranking for Annual Rate of Progress and for 2011-12 EXPLORE Composite Scores

Code	District Name	EXPLORE Composite Average Score 2007-08	EXPLORE Composite Average Score 2008-09	EXPLORE Composite Average Score 2009-10	EXPLORE Composite Average Score 2010-11	EXPLORE Composite Average Score 2011-12	Rank for 2011-12 EXPLORE Composite Score	Annual Rate of Progress (Slope of Regression)	Rank for Rate of Progress
361	Lyon County	14.5	14.4	16.1	16.1	16.7	6	0.61	1
177	Frankfort Independent	13.5	13.6	14.7	15.8	15.1	90	0.54	2
475	Owsley County	13.1	12.9	14.5	14.3	15.1	90	0.54	2
246	Hazard Independent	14.1	14.7	16.3	15.8	16.2	20	0.53	4
295	Knott County	13.9	14.1	13.9	15	16.1	23	0.53	4
185	Fulton County	13.2	13.8	14.4	15.4	15	103	0.52	6
351	Logan County	14.4	15	16	16.1	16.4	12	0.51	7
197	Glasgow Independent	14.9	14.5	15.9	16.8	16.3	15	0.51	7
175	Floyd County	13.9	14.5	14.4	15.3	16	28	0.5	9
586	West Point Independent	14.8	12.5	14.6	15.3	15.8	35	0.48	10
375	Marion County	14.3	14.4	15.4	15.5	16.1	23	0.47	11
415	Menifee County	13.4	13.3	13.5	13.9	15.4	61	0.46	12
285	Johnson County	14.6	14.9	15.4	16.1	16.2	20	0.44	13
493	Pineville Independent	13.8	14.2	13.6	15.1	15.5	56	0.43	14
186	Fulton Independent	14.5	13.4	13.7	15	15.8	35	0.42	15
176	Fort Thomas Independent	16.7	17.2	17.5	18.1	18.3	2	0.41	16
575	Washington County	13.8	14.7	14.3	15.1	15.6	48	0.4	17
446	Murray Independent	15.6	16.6	16.1	16.3	17.7	3	0.39	18
391	Mason County	14.2	14.7	15.7	14.9	16	28	0.38	19
305	LaRue County	14.5	15.3	15.5	15.4	16.3	15	0.37	20
235	Harlan County	14	14.5	14.8	14.6	15.8	35	0.37	20
251	Henderson County	14.4	14.1	15.1	15.2	15.7	42	0.37	20
592	Williamsburg Independent	15.1	14.5	15	15	16.6	7	0.35	23
081	Caldwell County	14.4	14.5	15.5	15.4	15.7	42	0.35	23
477	Paintsville Independent	15.3	16	15.7	17.2	16.4	12	0.34	25
015	Ballard County	14.7	14.9	14.9	15.1	16.3	15	0.34	25
031	Bell County	13.8	14.3	14.9	14.7	15.3	67	0.34	25
025	Bath County	13.2	13.6	13.8	14.2	14.6	127	0.34	25
021	Barren County	14.8	14.8	15.3	15.5	16.1	23	0.33	29
065	Breckinridge County	14.4	15	14.7	15.3	15.9	30	0.33	29
321	Lee County	13.5	13.6	13.7	14.1	14.9	107	0.33	29
537	Southgate Independent	14.5	15.3	15.7	14.8	16.3	15	0.31	32
501	Pulaski County	14.3	14.2	15	15.3	15.3	67	0.31	32

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155	Elliott County	13	13.8	14.6	14.7	14.1	158	0.31	32
245	Hart County	14.2	15	15.4	15	15.7	42	0.3	35
591	Whitley County	14.3	14.1	14.5	14.9	15.4	61	0.3	35
461	Ohio County	14.3	14.4	14.7	15.4	15.3	67	0.3	35
381	Marshall County	15.2	15.6	15.4	15.9	16.5	10	0.29	38
523	Russellville Independent*	*	13.5	13.6	14.1	14.3	148	0.29	38
365	Madison County	14.4	15	15	15.4	15.6	48	0.28	40
071	Bullitt County	14.1	14.3	14.7	15.1	15.1	90	0.28	40
536	Somerset Independent	14.5	14.2	15	14.7	15.6	48	0.27	42
215	Green County	14.5	14	14.4	14.7	15.5	56	0.27	42
181	Franklin County	14.3	14.4	15	15.1	15.3	67	0.27	42
221	Greenup County	13.3	14	14.5	14.3	14.5	133	0.27	42
431	Monroe County	13.4	14.2	15.1	14.9	14.4	140	0.27	42
271	Jackson County	13.4	13.8	13.9	14.7	14.3	148	0.27	42
151	Edmonson County	15.3	15.1	15.6	15.1	16.6	7	0.26	48
315	Lawrence County	13.9	14.3	14.2	14.7	15	103	0.26	48
385	Martin County	13.6	14	13.8	14	14.9	107	0.26	48
191	Gallatin County	13.6	13.3	14.6	14.3	14.4	140	0.26	48
541	Spencer County	14.5	13.8	15.3	15.1	15.1	90	0.25	52
441	Morgan County	13.7	14.3	14.6	14.8	14.7	122	0.25	52
143	Danville Independent	14.2	14.7	13.9	14.9	15.3	67	0.24	54
092	Campbellsville Independent	14	14	13.4	14	15.2	78	0.24	54
451	Nelson County	14.3	14.6	14.4	15.2	15.2	78	0.24	54
522	Russell Independent	15.8	15.8	15.7	15.9	16.9	5	0.23	57
272	Jackson Independent	15.7	14.6	15.9	16.5	15.9	30	0.23	57
405	McLean County	15	15.3	15.3	16.2	15.7	42	0.23	57
115	Christian County	13.8	14.1	14.3	14.2	14.9	107	0.23	57
472	Owensboro Independent	14.3	14.3	15.8	15.4	14.9	107	0.23	57
149	East Bernstadt Independent	13.2	15.3	14.4	14.6	14.7	122	0.23	57
026	Beechwood Independent	16.1	16.8	17.1	17	17.1	4	0.22	63
051	Boyle County	15.6	15.5	15.1	16.3	16.3	15	0.22	63
146	Dawson Springs Independent	14.7	15.1	15.7	15.1	15.8	35	0.22	63
551	Todd County	14	14.8	14.6	14.6	15.2	78	0.22	63
485	Perry County	14.1	15	15.6	15.4	15	103	0.22	63
492	Pikeville Independent	15.2	16.7	16.9	16.8	16.2	20	0.21	68
236	Harlan Independent	15.1	15	15.8	16.1	15.6	48	0.21	68
105	Carter County	14.2	14.9	15.1	15.2	15.1	90	0.21	68

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555	Trigg County	14.3	14.5	15.5	15	15.1	90	0.21	68
561	Trimble County	13.9	15.2	14.5	14.9	15.1	90	0.21	68
301	Knox County	13.1	13.4	13.9	13.7	14	160	0.21	68
505	Robertson County	13.7	12.5	13.1	14.4	13.8	167	0.21	68
401	McCreary County	13.6	13.9	14	14.5	14.3	148	0.2	75
035	Boone County	15.3	15.8	15.9	16.1	16.1	23	0.19	76
165	Fayette County	15.1	15.3	15.4	15.8	15.8	35	0.19	76
521	Russell County	14.4	14.9	14.7	15.2	15.2	78	0.19	76
121	Clark County	14.5	14	14.9	15.1	14.9	107	0.19	76
113	Caverna Independent	13.3	13.2	13.8	13.5	14.1	158	0.19	76
133	Corbin Independent	16	15.7	16.6	16.7	16.4	12	0.18	81
045	Boyd County	14.6	15.3	14.7	14.9	15.7	42	0.18	81
041	Bourbon County	14.4	14.3	14.5	14.3	15.3	67	0.18	81
531	Shelby County	14.6	14.6	14.8	15	15.3	67	0.18	81
201	Grant County	14.4	14.4	14.5	14.6	15.2	78	0.18	81
476	Paducah Independent	14.2	15	15	14.8	15.2	78	0.18	81
471	Owen County	14.3	14.2	14.5	15.2	14.7	122	0.18	81
225	Hancock County	15.6	16.1	15.6	15.8	16.6	7	0.17	88
205	Graves County	14.6	15.2	15.7	15.5	15.3	67	0.17	88
231	Hardin County	14.7	14.5	14.7	15	15.3	67	0.17	88
325	Leslie County	14.2	14.6	14.1	14.3	15.2	78	0.17	88
491	Pike County	14.2	14.5	14.3	14.7	14.9	107	0.16	92
161	Estill County	13.9	14.4	14.3	15	14.4	140	0.16	92
481	Pendleton County*	*	14.9	15.1	14.8	15.5	56	0.15	94
141	Cumberland County	14.1	14.8	14.4	14.3	15.1	90	0.15	94
032	Bellevue Independent	13.3	13.9	13.8	14.2	13.9	165	0.15	94
134	Covington Independent	12.4	12.1	12.5	12.8	12.8	174	0.15	94
392	Mayfield Independent	14.6	14	14	14.2	15.2	78	0.14	98
013	Augusta Independent	13.8	14.7	13	14.5	14.6	127	0.14	98
042	Bowling Green Independent	15.1	16	15.8	15.7	15.9	30	0.13	100
445	Muhlenberg County	15.2	15.5	16.2	16	15.6	48	0.13	100
311	Laurel County	14.4	14.6	14.7	15.1	14.8	116	0.13	100
581	Wayne County	14.4	14.6	14.7	15.3	14.7	122	0.13	100
145	Daviess County	15.6	15.6	16	15.8	16.1	23	0.12	104
601	Woodford County	15.1	15.1	15.7	15.3	15.6	48	0.12	104
571	Warren County	14.9	15.2	15.3	15.4	15.4	61	0.12	104
255	Henry County	14.4	14	14	14.6	14.7	122	0.12	104

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425	Metcalfe County	14.7	14.1	15	14.4	15.1	90	0.11	108
567	Walton-Verona Independent	15.6	15.4	15.8	15.8	15.9	30	0.1	109
034	Berea Independent	14.5	14.8	14	14	15.4	61	0.1	109
265	Hopkins County	14.8	15	15	15	15.3	67	0.1	109
241	Harrison County	14.7	14.6	15	14.6	15.2	78	0.1	109
511	Rockcastle County	14.2	15.2	14.8	14.8	14.9	107	0.1	109
101	Carroll County	13.6	14	14.7	14.2	14	160	0.1	109
465	Oldham County	16.1	16.4	16.5	16.5	16.5	10	0.09	115
291	Kenton County	15.2	15.3	15.2	15.4	15.6	48	0.09	115
001	Adair County	14.9	14.4	14.6	14.7	15.2	78	0.09	115
525	Scott County	15.4	15.1	15.4	15.3	15.7	42	0.08	118
111	Casey County	14.3	14.9	15	14.3	15	103	0.08	118
331	Letcher County	14.2	14.5	14.9	14.7	14.5	133	0.08	118
162	Fairview Independent	14.3	14.7	14.6	15.1	14.5	133	0.08	118
411	Meade County	15.6	15.1	15.6	15.8	15.6	48	0.07	122
085	Calloway County	15	15.2	15.6	15.7	15.1	90	0.07	122
535	Simpson County	14.5	14.5	16.1	15.2	14.5	133	0.07	122
275	Jefferson County	14.1	14.1	14.2	14.2	14.4	140	0.07	122
075	Butler County	13.5	14.2	14.3	14.1	13.9	165	0.07	122
395	McCracken County	15.5	15.7	15.9	15.7	15.8	35	0.06	127
055	Bracken County	13.9	15	15.1	13.8	14.8	116	0.06	127
281	Jessamine County	14.7	14.8	15.1	15.2	14.8	116	0.06	127
006	Anchorage Independent	19.5	19.5	20.7	20	19.5	1	0.05	130
152	Elizabethtown Independent	15.5	16	15.4	15.7	15.9	30	0.05	130
091	Campbell County	15.3	15.2	15.4	15.3	15.5	56	0.05	130
156	Eminence Independent	15.3	15.3	15.3	15.8	15.3	67	0.05	130
132	Cloverport Independent	15	15.2	15.1	15.3	15.2	78	0.05	130
005	Allen County	14.7	15.4	15.5	15.1	15.1	90	0.05	130
436	Monticello Independent	14	13.9	14.4	14	14.2	155	0.05	130
125	Clay County	13.6	13.8	13.6	13.9	13.8	167	0.05	130
545	Taylor County	15.4	15.6	15.3	15.2	15.8	35	0.04	138
524	Science Hill Independent	15.9	15.3	17.2	16.7	15.4	61	0.04	138
354	Ludlow Independent	14.7	15	14.3	14.4	15.2	78	0.04	138
426	Middlesboro Independent	13.9	14.6	13.7	14.4	14.2	155	0.04	138
147	Dayton Independent	13.6	13.8	13.6	13.4	14	160	0.04	138
016	Barbourville Independent	15.1	14.4	14.6	14.7	15.1	90	0.03	143
017	Bardstown Independent	14.4	14.4	15.1	14.7	14.4	140	0.03	143

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072	Burgin Independent	15	14.4	15.8	15.4	14.6	127	0.02	145
341	Lincoln County	14.3	15.1	15.2	14.7	14.6	127	0.02	145
595	Wolfe County	14.3	15	15.6	14.5	14.6	127	0.01	147
452	Newport Independent	13.1	13.8	13.3	13.5	13.3	171	0.01	147
345	Livingston County	14	14.4	14.9	13.4	14.5	133	0	149
585	Webster County	15.2	15	14.7	15.1	15.1	90	-0.01	150
061	Breathitt County	14.7	14.3	15.4	13.8	14.9	107	-0.01	150
011	Anderson County	14.4	14.7	14	14.4	14.5	133	-0.01	150
495	Powell County	14.4	14.3	14.2	14	14.5	133	-0.01	150
211	Grayson County	14.8	15.3	14.9	15.1	14.8	116	-0.02	154
131	Clinton County	14.8	14.7	15	14.9	14.6	127	-0.02	154
435	Montgomery County	14.4	14.5	14.9	14.3	14.4	140	-0.02	154
335	Lewis County	14.5	14	14.5	14.2	14.3	148	-0.02	154
012	Ashland Independent	15.1	14.8	15.4	15.1	14.8	116	-0.03	158
195	Garrard County	14.1	14.4	15.1	14.3	14	160	-0.03	158
565	Union County	14.6	14.5	14.5	14.4	14.4	140	-0.05	160
421	Mercer County	15	15.1	15.1	14.9	14.8	116	-0.06	161
171	Fleming County	14.6	13.9	14.8	14.5	14	160	-0.06	161
593	Williamstown Independent	15.5	15.4	15.1	14.9	15.4	61	-0.07	163
371	Magoffin County	14	14.1	14.1	13.8	13.8	167	-0.07	163
515	Rowan County	15.2	14.9	15	14.6	14.9	107	-0.09	165
276	Jenkins Independent	14.4	14.7	15	14	14.3	148	-0.09	165
455	Nicholas County	14.6	14.2	13.5	13.8	14.3	148	-0.1	167
135	Crittenden County	14.8	15.1	15.9	14.8	14.4	140	-0.11	168
502	Raceland-Worthington Indepen	14.8	15.1	15.2	15	14.2	155	-0.13	169
533	Silver Grove Independent	13.5	13.9	14.1	13.3	13.1	172	-0.14	170
157	Erlanger-Elsmere Independent	14.5	14.3	14.6	14.6	13.4	170	-0.19	171
261	Hickman County	16	15.8	16	14.5	15.5	56	-0.23	172
478	Paris Independent	14.3	14	13.7	14.1	13.1	172	-0.23	172
095	Carlisle County	14.8	15.3	14.7	13.8	14.3	148	-0.25	174
<b>999</b>	<b>STATE</b>	<b>14.5</b>	<b>14.7</b>	<b>14.9</b>	<b>15</b>	<b>15.2</b>		<b>0.17</b>	

Notes: When Composite Score or rate of progress is below the statewide average, the score/rate and ranking number are shaded in pink

\*Pendleton County and Russellville Independent did not have scores for 2007-08 so their rate of progress analysis is based on four years of data