

Cobb County School District

Testing Brief: 2013 End-of-Course Tests (EOCT) Annual Data

This brief highlights the annual EOCT results which are a culmination of both the Winter and Spring administrations for 2012-13. End-of-Course testing is mandated by the Georgia Department of Education and assesses student achievement in the designated core courses. Results are used to provide diagnostic data to improve student achievement. The briefing includes data from tests administered to students completing any of the following courses:

- Ninth Literature Composition
- American Literature Composition
- Coordinate Algebra
- Math II
- GPS Geometry
- Biology
- Physical Science
- US History
- Economics

The End-of-Course Tests assess student mastery of the Georgia Performance Standards in the areas of English Language Arts, Mathematics, Science and Social Studies. Scores from the EOCT are counted as 15% of the student's final grade in an EOCT related course.

Student performance on the EOCT is measured with a scale score based on the Georgia Performance Standards. Scale scores range from 200 to 600, where 400 and higher is considered to be meeting standards and scores of 450 to 600 are exceeding standards.

Key Findings

Overall, Cobb students outperformed their peers across the state in each EOCT content area. Performance was strongest in Economics where students attained an average scale score of 450. The area with the highest pass rate was American Literature with 95.4% meeting and exceeding standards.

Table 1

Scores by Course	Ninth Grade Literature/Composition	American Literature/Composition	Math II	Coordinate Algebra	GPS Geometry	Biology	Physical Science	U.S. History	Economics
District # tested	9,113	7,707	2,732	8,527	5,917	9,273	658	7,369	7,171
District Scale Score	443	442	435	399	420	437	460	445	450
State Scale Score	435	435	412	393	419	427	443	428	435

Student performance as measured by passing rates was strong in Language Arts with 92% of students meeting or exceeding standards. Table 2 shows the overall pass rate and the percentage of students in each performance level (does not meet standards, meets standards, and exceeds standards). These percentages reflect combined student performance for the winter and spring administrations.

Table 2

Performance Level	Ninth Grade Literature/Composition	American Literature/Composition	Math II	Coordinate Algebra	GPS Geometry	Biology	Physical Science*	U.S. History	Economics
Overall Pass	89.8%	95.4%	82.2%	42.2%	80.2%	79.5%	93.8%	81.8%	87.0%
Does Not Meet Standard	10%	5%	18%	58%	20%	20%	6%	18%	13%
Meets Standard	43%	52%	48%	37%	66%	37%	15%	31%	35%
Exceeds Standard	47%	43%	35%	5%	14%	42%	79%	50%	52%
% Passing by Content Area	Language Arts: 92.2%		Math: 63.1%			Science: 80.3%		Social Studies: 84.3%	

Note: Percentages may not equal 100 due to rounding.

*Physical Science scores may not be reflective of district performance as 98% of students tested were from one high school.

Student scores included a further performance breakdown into domain scores. These scores reflect possible areas of improvement in given strands, or concepts, taught within the curriculum. Table 3 shows relative strengths and areas for improvement in each course tested during the year.

Table 3

Course	Relative Strength	Relative Area for Improvement
Ninth Grade Lit/Comp	Speaking and Listening	Writing
American Lit/Comp	Speaking and Listening	Writing
Coordinate Algebra	Geometry	Algebra and Functions (incl' Numbers and Quantity)
Math II	Geometry / Data Analysis and Probability	Algebra
GPS Geometry	Geometry	Algebra
Biology	Ecology	Organisms
Physical Science	Physics: Energy, Force and Motion	Chemistry: Chemical Reactions and Properties of Matter
U.S. History	New Republic through Reconstruction	Colonization through the Constitution
Economics	Microeconomic Concepts	Fundamental Economic Concepts

A review of performance by student groups can be seen in Table 4.

Table 4

Comparison of Student Performance by Program (Scale Scores and Percent Meeting/Exceeding Standards)						
	Regular Education Students		Students with Disabilities		English Language Learners	
	Scale Score	% M / E	Scale Score	% M / E	Scale Score	% M / E
Ninth Grade Literature/ Composition	447	92%	412	66%	397	51%
American Literature/ Composition	444	97%	419	80%	406	63%
Coordinate Algebra	401	51%	373	19%	369	12%
Math II	437	84%	401	40%	411	38%
GPS Geometry	421	82%	406	61%	401	56%
Biology	440	83%	404	52%	392	35%
Physical Science	463	95%	410	72%	458	90%
U.S. History	447	84%	411	59%	386	39%
Economics	453	89%	407	56%	389	35%

Performance by student group (Table 5).

Table 5

Comparison of Performance by Ethnicity (Scale Scores and Percent Meeting/Exceeding Standards)						
	Black		Hispanic		White	
	Scale Score	% M / E	Scale Score	% M / E	Scale Score	% M / E
Ninth Grade Literature/ Composition	431	84%	426	80%	459	97%
American Literature/ Composition	432	93%	431	91%	452	98%
Coordinate Algebra	384	25%	385	29%	414	69%
Math II	414	65%	418	72%	448	93%
GPS Geometry	409	68%	412	74%	431	92%
Biology	417	67%	418	65%	458	93%
Physical Science	418	70%	439	83%	475	97%
U.S. History	425	71%	422	70%	464	92%
Economics	430	79%	432	78%	466	94%

A comparison of scores from the current year to the previous year is presented in Table 6. Student performance improved in every content area as measured by scale score or percentage meeting/exceeding standards.*

Table 6

EOCT Year-to-Year Comparison of Student Performance				
Test	2012		2013	
	% M / E	Scale Score	% M / E	Scale Score
Ninth Grade Lit/Comp	89%	443	90%	443
American Lit/Comp	94%	442	95%	442
Math II	76%	425	82%	435
Biology	80%	436	79%	437
Physical Science	93%	457	93%	460
U.S. History	79%	438	82%	445
Economics	87%	446	87%	450

The following tables show school performance levels and scale scores by EOCT course:

9th Literature & Composition

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2	% PL-2	<i>n</i> PL-3	% PL-3	% Passing	Scale Score
District	9,113	933	10%	3,879	43%	4,301	47%	90%	443
Allatoona	443	20	5%	190	43%	233	53%	95%	449
Campbell	745	132	18%	374	50%	239	32%	82%	430
Harrison	506	8	2%	169	33%	329	65%	98%	458
Hillgrove	521	13	2%	172	33%	336	64%	98%	455
Kell	375	21	6%	174	46%	180	48%	94%	440
Kennesaw Mountain	610	42	7%	233	38%	335	55%	93%	452
Lassiter	465	6	1%	115	25%	344	74%	99%	448
McEachern	612	73	12%	332	54%	207	34%	88%	435
North Cobb	728	56	8%	337	46%	335	46%	92%	443
Oakwood	TFC								
Osborne	611	152	25%	350	57%	109	18%	75%	421
Pebblebrook	694	141	20%	387	56%	166	24%	80%	426
Pope	450	13	3%	99	22%	338	75%	97%	467
South Cobb	584	119	20%	310	53%	155	27%	80%	427
Sprayberry	474	37	8%	226	48%	211	45%	92%	435
Walton	675	9	1%	126	19%	540	80%	99%	471
Wheeler	612	89	15%	280	46%	243	40%	85%	440

American Literature & Composition

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2	% PL-2	<i>n</i> PL-3	% PL-3	% Passing	Scale Score
District	7,707	357	5%	4,007	52%	3,343	43%	95%	442
Allatoona	382	5	1%	203	53%	174	46%	99%	446
Campbell	589	43	7%	348	59%	198	34%	93%	435
Harrison	461	5	1%	196	43%	260	56%	99%	450
Hillgrove	551	14	3%	229	42%	308	56%	97%	451
Kell	384	22	6%	214	56%	148	39%	94%	444
Kennesaw Mountain	537	11	2%	251	47%	275	51%	98%	450
Lassiter	493	5	1%	160	32%	328	67%	99%	462
McEachern	529	37	7%	317	60%	175	33%	93%	455
North Cobb	389	20	5%	309	79%	60	15%	95%	428
Oakwood	37	10	27%	23	62%	4	11%	73%	419
Osborne	377	34	9%	282	75%	61	16%	91%	426
Pebblebrook	499	45	9%	343	69%	111	22%	91%	430
Pope	393	3	1%	122	31%	268	68%	99%	460
South Cobb	469	51	11%	301	64%	117	25%	89%	431
Sprayberry	446	14	3%	250	56%	182	41%	97%	443
Walton	667	5	1%	176	26%	486	73%	99%	449
Wheeler	504	33	7%	283	56%	188	37%	93%	439

Coordinate Algebra

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2	% PL-2	<i>n</i> PL-3	% PL-3	% Passing	Scale Score
District	8,527	4,930	58%	3,160	37%	437	5%	42%	399
Allatoona	468	211	45%	234	50%	23	5%	55%	405
Campbell	690	496	72%	185	27%	9	1%	28%	384
Harrison	460	182	40%	241	52%	37	8%	60%	408
Hillgrove	483	153	32%	299	62%	31	6%	68%	410
Kell	432	261	60%	165	38%	6	1%	40%	392
Kennesaw Mountain	469	240	51%	189	40%	40	9%	49%	404
Lassiter	391	119	30%	248	63%	24	6%	70%	409
McEachern	654	528	81%	125	19%	1	0%	19%	384
North Cobb	667	359	54%	277	42%	31	5%	46%	401
Oakwood	TFC								
Osborne	601	476	79%	122	20%	3	0%	21%	377
Pebblebrook	708	614	87%	91	13%	3	0%	13%	375
Pope	417	99	24%	278	67%	40	10%	76%	414
South Cobb	470	392	83%	72	15%	6	1%	17%	380
Sprayberry	449	288	64%	142	32%	19	4%	36%	395
Walton	612	108	18%	361	59%	143	23%	82%	427
Wheeler	552	400	72%	131	24%	21	4%	28%	398

Math II

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2	% PL-2	<i>n</i> PL-3	% PL-3	% Passing	Scale Score
District	2,732	485	18%	1,301	48%	946	35%	82%	435
Allatoona	127	15	12%	90	71%	22	17%	88%	425
Campbell	263	82	31%	135	51%	46	17%	69%	418
Harrison	158	4	3%	55	35%	99	63%	97%	458
Hillgrove	224	15	7%	117	52%	92	41%	93%	441
Kell	79	28	35%	20	25%	31	39%	65%	408
Kennesaw Mountain	234	22	9%	97	41%	115	49%	91%	447
Lassiter	163	2	1%	76	47%	85	52%	99%	431
McEachern	173	52	30%	103	60%	18	10%	70%	419
North Cobb	231	39	17%	112	48%	80	35%	83%	435
Oakwood	50	39	78%	11	22%	0	0%	22%	387
Osborne	93	31	33%	56	60%	6	6%	67%	411
Pebblebrook	153	53	35%	91	59%	9	6%	65%	408
Pope	215	6	3%	120	56%	89	41%	97%	441
South Cobb	101	30	30%	63	62%	8	8%	70%	413
Sprayberry	126	33	26%	68	54%	25	20%	74%	425
Walton	101	4	4%	9	9%	88	87%	96%	459
Wheeler	241	30	12%	78	32%	133	55%	88%	452

GPS Geometry

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2	% PL-2	<i>n</i> PL-3	% PL-3	% Passing	Scale Score
District	5,917	1,170	20%	3,908	66%	839	14%	80%	419
Allatoona	353	23	7%	284	80%	46	13%	93%	426
Campbell	401	141	35%	235	59%	25	6%	65%	412
Harrison	335	7	2%	259	77%	69	21%	98%	432
Hillgrove	408	28	7%	312	76%	68	17%	93%	430
Kell	318	44	14%	242	76%	32	10%	86%	419
Kennesaw Mountain	363	38	10%	262	72%	63	17%	90%	428
Lassiter	352	11	3%	204	58%	137	39%	97%	442
McEachern	382	147	38%	231	60%	4	1%	62%	392
North Cobb	491	99	20%	358	73%	34	7%	80%	417
Oakwood	16	15	94%	1	6%	0	0%	6%	386
Osborne	386	136	35%	246	64%	4	1%	65%	406
Pebblebrook	358	115	32%	230	64%	13	4%	68%	407
Pope	209	15	7%	156	75%	38	18%	93%	428
South Cobb	363	160	44%	199	55%	4	1%	56%	401
Sprayberry	368	74	20%	260	71%	34	9%	80%	418
Walton	467	19	4%	210	45%	238	51%	96%	448
Wheeler	347	98	28%	219	63%	30	9%	72%	416

Biology

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2	% PL-2	<i>n</i> PL-3	% PL-3	% Passing	Scale Score
District	9,273	1,899	20%	3,455	37%	3,919	42%	80%	436
Allatoona	454	55	12%	191	42%	208	46%	88%	444
Campbell	727	345	47%	232	32%	150	21%	53%	410
Harrison	514	33	6%	176	34%	305	59%	94%	455
Hillgrove	538	28	5%	186	35%	324	60%	95%	457
Kell	388	37	10%	160	41%	191	49%	90%	446
Kennesaw Mountain	609	101	17%	192	32%	316	52%	83%	452
Lassiter	484	6	1%	106	22%	372	77%	99%	447
McEachern	671	176	26%	317	47%	178	27%	74%	424
North Cobb	739	124	17%	320	43%	295	40%	83%	438
Oakwood	13	7	54%	4	31%	2	15%	46%	385
Osborne	584	226	39%	267	46%	91	16%	61%	412
Pebblebrook	709	270	38%	322	45%	117	17%	62%	412
Pope	506	29	6%	109	22%	368	73%	94%	443
South Cobb	631	223	35%	279	44%	129	20%	65%	414
Sprayberry	471	64	14%	209	44%	198	42%	86%	444
Walton	624	18	3%	148	24%	458	73%	97%	455
Wheeler	611	157	26%	237	39%	217	36%	74%	438

Physical Science

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2	% PL-2	<i>n</i> PL-3	% PL-3	% Passing	Scale Score
District	658	41	6%	100	15%	517	79%	94%	460
Allatoona	TFC								
Campbell	TFC								
Harrison	TFC								
Hillgrove	TFC								
Kell	TFC								
Kennesaw Mountain	TFC								
Lassiter	TFC								
McEachern	TFC								
North Cobb	TFC								
Oakwood	TFC								
Osborne	TFC								
Pebblebrook	TFC								
Pope	TFC								
South Cobb	TFC								
Sprayberry	13	6	46%	5	38%	2	15%	54%	412
Walton	577	13	2%	79	14%	485	84%	98%	497
Wheeler	TFC								

US History

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2	% PL-2	<i>n</i> PL-3	% PL-3	% Passing	Scale Score
District	7,369	1,344	18%	2,320	31%	3,705	50%	82%	444
Allatoona	401	60	15%	170	42%	171	43%	85%	444
Campbell	618	221	36%	236	38%	161	26%	64%	416
Harrison	500	33	7%	144	29%	323	65%	93%	469
Hillgrove	262	14	5%	49	19%	199	76%	95%	484
Kell	387	42	11%	103	27%	242	63%	89%	466
Kennesaw Mountain	473	75	16%	175	37%	223	47%	84%	445
Lassiter	493	11	2%	137	28%	345	70%	98%	473
McEachern	543	156	29%	169	31%	218	40%	71%	422
North Cobb	306	27	9%	75	25%	204	67%	91%	463
Oakwood	41	21	51%	14	34%	6	15%	49%	401
Osborne	373	170	46%	138	37%	65	17%	54%	406
Pebblebrook	522	128	25%	187	36%	207	40%	75%	432
Pope	394	20	5%	86	22%	288	73%	95%	447
South Cobb	434	121	28%	165	38%	148	34%	72%	429
Sprayberry	424	55	13%	141	33%	228	54%	87%	451
Walton	707	61	9%	142	20%	504	71%	91%	446
Wheeler	491	129	26%	189	38%	173	35%	74%	431

Economics

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2	% PL-2	<i>n</i> PL-3	% PL-3	% Passing	Scale Score
District	7,171	932	13%	2,521	35%	3,718	52%	87%	450
Allatoona	429	21	5%	141	33%	267	62%	95%	460
Campbell	512	88	17%	247	48%	177	35%	83%	434
Harrison	488	24	5%	148	30%	316	65%	95%	464
Hillgrove	307	7	2%	84	27%	216	70%	98%	469
Kell	371	69	19%	162	44%	140	38%	81%	436
Kennesaw Mountain	486	50	10%	163	34%	273	56%	90%	454
Lassiter	456	16	4%	131	29%	309	68%	96%	464
McEachern	510	57	11%	202	40%	251	49%	89%	446
North Cobb	331	33	10%	90	27%	208	63%	90%	465
Oakwood	97	49	51%	33	34%	15	15%	49%	403
Osborne	370	127	34%	166	45%	77	21%	66%	418
Pebblebrook	402	102	25%	207	51%	93	23%	75%	423
Pope	430	13	3%	91	21%	326	76%	97%	475
South Cobb	449	121	27%	194	43%	134	30%	73%	425
Sprayberry	479	61	13%	180	38%	238	50%	87%	446
Walton	617	28	5%	149	24%	440	71%	95%	469
Wheeler	437	66	15%	133	30%	238	54%	85%	459