

Cobb County School District

Testing Brief: 2012 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 2011-12. 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
- Math I
- Math II
- GPS Algebra
- 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 with the exception of GPS Algebra and GPS Geometry. Performance in Math I and Physical Science were strongest, where students attained an average scale score of 457 in both subjects. Students had a pass rate of 95% in Math I and 92% in Physical Science.

Table 1

Scores by Course	9th Lit/Composition	Am Lit/Composition	Math I	Math II	GPS Algebra	GPS Geometry	Biology	Physical Science	U.S. History	Economics
District # tested	8,783	8,014	2,348	8,499	7,057	161	8,983	649	7,965	7,360
District Scale Score	443	442	457	425	410	389	436	457	438	446
State Scale Score	431	431	413	412	414	429	423	435	421	429

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	9th Lit/Composition	Am Lit/Composition	Math I	Math II	GPS Algebra	GPS Geometry	Biology	Physical Science*	U.S. History	Economics
Pass Rate	89%	94%	95%	76%	63%	29%	80%	92%	79%	87%
Does Not Meet Standard	11%	6%	5%	24%	37%	71%	20%	8%	21%	13%
Meets Standard	41%	51%	28%	54%	53%	27%	40%	19%	34%	40%
Exceeds Standard	48%	43%	67%	21%	9%	2%	40%	73%	45%	47%
% Passing by Content Area	Language Arts: 92%		Math: 73%			Science: 81%		Social Studies: 83%		

Note: Percentages may not equal 100 due to rounding.

*Physical Science scores may not be reflective of district performance as 85% 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	Reading, Listening, Speaking, Viewing across the Curriculum	Conventions
American Lit/Comp	Reading, Listening, Speaking, Viewing across the Curriculum	Reading and American Literature
Math I	Data Analysis and Probability	Geometry
Math II	Data Analysis and Probability	Geometry
GPS Algebra	Numbers and Operations	Data Analysis and Probability
Biology	Ecology	Cells
Physical Science	Physics: Waves, Electricity and Magnetism	Chemistry: Atomic and Nuclear Theory and the Periodic Table
U.S. History	New Republic through Reconstruction	Colonization through the Constitution
Economics	Macroeconomic Concepts	International Economics

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	446	91%	410	64%	395	51%
American Literature/Composition	444	96%	417	78%	406	63%
Math I	457	96%	425	56%	438	71%
Math II	427	78%	406	49%	403	45%
GPS Algebra	412	66%	387	37%	389	33%
GPS Geometry	389	30%	389	23%	TFC	TFC
Biology	439	83%	404	53%	391	40%
Physical Science	460	95%	423	76%	464	91%
U.S. History	441	82%	402	53%	393	38%
Economics	448	89%	406	53%	401	54%

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	429	83%	426	79%	458	96%
American Literature/Composition	430	91%	430	90%	453	98%
Math I	436	87%	445	91%	466	98%
Math II	409	61%	411	64%	438	88%
GPS Algebra	400	50%	403	52%	424	80%
GPS Geometry	388	24%	384	28%	403	55%
Biology	418	68%	418	67%	454	93%
Physical Science	419	77%	440	86%	464	95%
U.S. History	419	66%	418	67%	454	91%
Economics	427	77%	427	77%	461	95%

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 and percentage meeting/exceeding standards.*

Table 6

EOCT Year-to-Year Comparison of Student Performance				
Test	2011		2012	
	% M / E	Scale Score	% M / E	Scale Score
Ninth Grade Lit/Comp	87%	440	89%	443
American Lit/Comp	92%	441	94%	442
Math I	66%	416	94%	457
Math II	72%	420	76%	425
Biology	75%	430	80%	436
Physical Science	90%	441	93%	457
U.S. History	76%	433	79%	438
Economics	83%	441	87%	446

*GPS Algebra & Geometry data not available in 2010-11

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 / 3	% PL-2 / 3	Scale Score
District	8,783	977	11%	7,806	89%	443
Allatoona	527	39	7%	488	93%	445
Campbell	655	137	21%	518	79%	425
Harrison	487	18	4%	469	96%	457
Hillgrove	551	32	6%	519	94%	452
Kell	433	46	11%	387	89%	428
Kennesaw Mountain	605	49	8%	556	92%	451
Lassiter	490	7	1%	483	99%	441
McEachern	538	68	13%	470	87%	433
North Cobb	754	50	7%	704	93%	446
Oakwood	TFC					
Osborne	475	124	26%	351	74%	428
Pebblebrook	535	99	19%	436	81%	403
Pope	439	5	1%	434	99%	462
South Cobb	509	122	24%	387	76%	422
Sprayberry	501	48	10%	453	90%	442
Walton	644	7	1%	637	99%	462
Wheeler	617	110	18%	507	82%	440

American Literature & Composition
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School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2 / 3	% PL-2 / 3	Scale Score
District	8,014	442	6%	7,572	94%	442
Allatoona	444	10	2%	434	98%	446
Campbell	567	61	11%	506	89%	427
Harrison	511	8	2%	503	98%	452
Hillgrove	539	15	3%	524	97%	448
Kell	390	18	5%	372	95%	439
Kennesaw Mountain	523	15	3%	508	97%	448
Lassiter	484	8	2%	476	98%	444
McEachern	544	30	6%	514	94%	430
North Cobb	620	23	4%	597	96%	441
Oakwood	59	12	20%	47	80%	420
Osborne	400	75	19%	325	81%	421
Pebblebrook	418	42	10%	376	90%	418
Pope	446	4	1%	442	99%	457
South Cobb	496	65	13%	431	87%	426
Sprayberry	481	24	5%	457	95%	442
Walton	616	4	1%	612	99%	452
Wheeler	476	28	6%	448	94%	439

Math I

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2 / 3	% PL-2 / 3	Scale Score
District	2,348	119	5%	2,229	95%	457
Allatoona	76	4	5%	72	95%	454
Campbell	123	24	20%	99	80%	427
Harrison	95	0	0%	95	100%	468
Hillgrove	102	1	1%	101	99%	464
Kell	64	3	5%	61	95%	421
Kennesaw Mountain	145	1	1%	144	99%	458
Lassiter	119	0	0%	119	100%	472
McEachern	74	7	9%	67	91%	436
North Cobb	122	1	1%	121	99%	452
Oakwood	TFC					
Osborne	53	10	19%	43	81%	428
Pebblebrook	71	18	25%	53	75%	405
Pope	168	1	1%	167	99%	437
South Cobb	69	9	13%	60	87%	396
Sprayberry	65	2	3%	63	97%	452
Walton	56	1	2%	55	98%	485
Wheeler	97	4	4%	93	96%	469

Math II

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2 / 3	% PL-2 / 3	Scale Score
District	8,499	2,068	24%	6,431	76%	425
Allatoona	467	80	17%	387	83%	426
Campbell	595	179	30%	416	70%	414
Harrison	501	33	7%	468	93%	438
Hillgrove	543	68	13%	475	87%	431
Kell	416	146	35%	270	65%	403
Kennesaw Mountain	588	88	15%	500	85%	436
Lassiter	564	21	4%	543	96%	445
McEachern	543	254	47%	289	53%	417
North Cobb	732	190	26%	542	74%	422
Oakwood	34	25	74%	9	26%	386
Osborne	393	165	42%	228	58%	404
Pebblebrook	526	258	49%	268	51%	405
Pope	397	19	5%	378	95%	448
South Cobb	523	263	50%	260	50%	399
Sprayberry	488	100	20%	388	80%	422
Walton	668	40	6%	628	94%	427
Wheeler	515	134	26%	381	74%	435

GPS Algebra

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2 / 3	% PL-2 / 3	Scale Score
District	7,057	2,635	37%	4,422	63%	410
Allatoona	454	130	29%	324	71%	416
Campbell	528	292	55%	236	45%	396
Harrison	358	34	9%	324	91%	429
Hillgrove	439	66	15%	373	85%	425
Kell	387	142	37%	245	63%	408
Kennesaw Mountain	419	172	41%	247	59%	411
Lassiter	296	39	13%	257	87%	399
McEachern	528	285	54%	243	46%	395
North Cobb	580	141	24%	439	76%	419
Oakwood	TFC					
Osborne	424	208	49%	216	51%	395
Pebblebrook	511	340	67%	171	33%	379
Pope	230	49	21%	181	79%	417
South Cobb	443	264	60%	179	40%	391
Sprayberry	466	166	36%	300	64%	413
Walton	484	19	4%	465	96%	446
Wheeler	505	284	56%	221	44%	399

GPS Geometry

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2 / 3	% PL-2 / 3	Scale Score
District	161	114	71%	47	29%	389
Allatoona	TFC					
Campbell	49	36	73%	13	27%	385
Harrison	TFC					
Hillgrove	TFC					
Kell	TFC					
Kennesaw Mountain	TFC					
Lassiter	TFC					
McEachern	13	11	85%	2	15%	385
North Cobb	TFC					
Oakwood	TFC					
Osborne	39	25	64%	14	36%	393
Pebblebrook	TFC					
Pope	TFC					
South Cobb	32	31	97%	1	3%	377
Sprayberry	TFC					
Walton	TFC					
Wheeler	19	3	16%	16	84%	418

Biology

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2 / 3	% PL-2 / 3	Scale Score
District	8,983	1,762	20%	7,221	80%	436
Allatoona	532	55	10%	477	90%	446
Campbell	672	294	44%	378	56%	409
Harrison	485	26	5%	459	95%	455
Hillgrove	572	44	8%	528	92%	452
Kell	431	88	20%	343	80%	411
Kennesaw Mountain	644	112	17%	532	83%	448
Lassiter	481	16	3%	465	97%	432
McEachern	581	144	25%	437	75%	424
North Cobb	776	112	14%	664	86%	437
Oakwood	14	8	57%	6	43%	393
Osborne	497	194	39%	303	61%	410
Pebblebrook	568	213	38%	355	63%	392
Pope	454	18	4%	436	96%	444
South Cobb	502	194	39%	308	61%	413
Sprayberry	505	54	11%	451	89%	441
Walton	686	29	4%	657	96%	427
Wheeler	574	152	26%	422	74%	438

Physical Science

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2 / 3	% PL-2 / 3	Scale Score
District	649	50	8%	599	92%	457
Allatoona	TFC					
Campbell	10	4	40%	6	60%	402
Harrison	TFC					
Hillgrove	TFC					
Kell	TFC					
Kennesaw Mountain	TFC					
Lassiter	TFC					
McEachern	TFC					
North Cobb	TFC					
Oakwood	TFC					
Osborne	TFC					
Pebblebrook	TFC					
Pope	11	5	45%	6	55%	409
South Cobb	TFC					
Sprayberry	TFC					
Walton	546	16	3%	530	97%	498
Wheeler	TFC					

US History

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2 / 3	% PL-2 / 3	Scale Score
District	7,965	1,659	21%	6,306	79%	438
Allatoona	437	55	13%	382	87%	443
Campbell	485	207	43%	278	57%	407
Harrison	507	47	9%	460	91%	458
Hillgrove	587	88	15%	499	85%	444
Kell	389	68	17%	321	83%	416
Kennesaw Mountain	505	78	15%	427	85%	443
Lassiter	477	21	4%	456	96%	420
McEachern	534	110	21%	424	79%	379
North Cobb	705	143	20%	562	80%	440
Oakwood	50	32	64%	18	36%	389
Osborne	406	198	49%	208	51%	403
Pebblebrook	395	146	37%	249	63%	402
Pope	437	27	6%	410	94%	455
South Cobb	523	205	39%	318	61%	414
Sprayberry	465	55	12%	410	88%	447
Walton	602	50	8%	552	92%	437
Wheeler	459	127	28%	332	72%	436

Economics

School	<i>n</i> Tested	<i>n</i> PL-1	% PL-1	<i>n</i> PL-2 / 3	% PL-2 / 3	Scale Score
District	7,360	958	13%	6,402	87%	446
Allatoona	428	21	5%	407	95%	455
Campbell	468	126	27%	342	73%	426
Harrison	532	35	7%	497	93%	457
Hillgrove	532	17	3%	515	97%	463
Kell	378	84	22%	294	78%	425
Kennesaw Mountain	309	27	9%	282	91%	470
Lassiter	466	15	3%	451	97%	456
McEachern	483	54	11%	429	89%	437
North Cobb	664	79	12%	585	88%	445
Oakwood	90	37	41%	53	59%	408
Osborne	322	84	26%	238	74%	421
Pebblebrook	365	128	35%	237	65%	410
Pope	415	15	4%	400	96%	468
South Cobb	420	116	28%	304	72%	421
Sprayberry	369	47	13%	322	87%	449
Walton	631	25	4%	606	96%	462
Wheeler	486	46	9%	440	91%	461