

Cobb County School District

Testing Brief: 2011 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 2010-11. 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
- 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

1. Overall, Cobb students outperformed their peers across the state in each EOCT content area. The strongest performance was in American Literature, with a district scale score of 442, ten points higher than that of the state, and a pass rate of 92%. The area where more improvement was needed for Cobb students was Math I with a scale score of 414 and a pass rate of 66%.

Table 1

Scores by Course	Ninth Grade Literature/Composition	American Literature/Composition	Math I	Math II	Biology	Physical Science	U.S. History	Economics
District # tested	8,841	8,169	8,832	8,412	9,125	751	7,744	7,228
District Scale Score	442	442	414	420	432	475	438	441
State Scale Score	432	432	410	410	421	435	408	426

2. Student performance as measured by passing rates was strong in Language Arts and Social Studies. 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 I	Math II	Biology	Physical Science*	U.S. History	Economics
Overall Pass	87%	92%	66%	72%	75%	90%	76%	83%
Does Not Meet Standard	13%	8%	34%	28%	25%	10%	24%	17%
Meets Standard	43%	49%	50%	55%	40%	21%	34%	39%
Exceeds Standard	45%	43%	16%	17%	35%	68%	42%	43%

Note: Percentages may not equal 100 due to rounding.

*Physical Science scores may not be reflective of district performance as 83% of students tested were from one high school.

3. 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	Writing
American Lit/Comp	Reading, Listening, Speaking, Viewing across the Curriculum	Writing
Math I	Algebra	Geometry
Math II	Algebra	Geometry
Biology	Ecology	Cells
Physical Science	Chemistry: Atomic & Nuclear Theory and the Periodic Table	Chemistry: Chemical Reactions and Properties of Matter
U.S. History	New Republic through Reconstruction	Colonization through the Constitution
Economics	Fundamentals of Economics	International Economics

4. A review of performance by student groups as seen in Table 4 shows that English Language Learners and Students with Disabilities were lagging behind their regular education peers.

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	413	90%	384	64%	379	50%
American Literature/Composition	442	94%	415	73%	400	56%
Math I	400	70%	371	39%	379	44%
Math II	403	75%	374	49%	385	43%
Biology	412	79%	378	50%	373	35%
Physical Science	482	92%	432	75%	457	79%
U.S. History	429	79%	392	49%	378	40%
Economics	444	85%	407	52%	404	51%

5. There continues to be a significant performance gap between student groups in all courses tested as reflected in 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	427	81%	420	75%	458	95%
American Literature/Composition	429	88%	425	83%	454	97%
Math I	401	53%	401	51%	428	82%
Math II	404	55%	404	56%	430	87%
Biology	412	61%	411	60%	451	90%
Physical Science	422	64%	434	67%	487	96%
U.S. History	416	62%	415	63%	454	87%
Economics	420	71%	418	70%	456	92%

6. A comparison of scores from the current year to the previous year revealed a decline in Mathematics scores, while student performance in English Language Arts, Science and Social Studies rose in 2010-11 test administrations.

Table 6

EOCT Year-to-Year Comparison of Student Performance				
Test	2010		2011	
	% M / E	Scale Score	% M / E	Scale Score
Ninth Grade Lit/Comp	86%	436	87%	440
American Lit/Comp	90%	438	92%	441
Math I	73%	420	66%	416
Math II	76%	425	72%	420
Biology	71%	425	75%	430
Physical Science	58%	401	90%	441
U.S. History	67%	420	76%	433
Economics	81%	437	83%	441

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

2010-11 EOCT - 9th Lit / Comp

School	N Tested	n PL-1	% PL-1	n PL-2 / 3	% PL-2/3	Scale Score
District	8,841	1,134	12.8	7,707	87.2	442
Allatoona	443	40	9.0	403	91.0	443
Campbell	687	182	26.5	505	73.5	425
Harrison	518	17	3.3	501	96.7	457
Hillgrove	545	38	7.0	507	93.0	449
Kell	451	56	12.4	395	87.6	439
Kennesaw Mountain	501	36	7.2	465	92.8	449
Lassiter	530	16	3.0	514	97.0	461
McEachern	547	60	11.0	487	89.0	436
North Cobb	745	90	12.1	655	87.9	441
Oakwood	29	6	20.7	23	79.3	412
Osborne	450	133	29.6	317	70.4	416
Pebblebrook	563	133	23.6	430	76.4	422
Pope	419	14	3.3	405	96.7	468
South Cobb	551	131	23.8	420	76.2	424
Sprayberry	515	48	9.3	467	90.7	442
Walton	714	14	2.0	700	98.0	472
Wheeler	633	120	19.0	513	81.0	435

2010-11 EOCT - American Lit / Comp

School	N Tested	n PL-1	% PL-1	n PL-2 / 3	% PL-2/3	Scale Score
District	8,169	635	7.8	7,534	92.2	442
Allatoona	425	10	2.4	415	97.6	447
Campbell	572	82	14.3	490	85.7	431
Harrison	550	13	2.4	537	97.6	451
Hillgrove	463	19	4.1	444	95.9	451
Kell	453	33	7.3	420	92.7	441
Kennesaw Mountain	513	24	4.7	489	95.3	446
Lassiter	490	6	1.2	484	98.8	457
McEachern	547	43	7.9	504	92.1	433
North Cobb	699	48	6.9	651	93.1	439
Oakwood	80	23	28.8	57	71.3	419
Osborne	417	96	23.0	321	77.0	416
Pebblebrook	421	65	15.4	356	84.6	424
Pope	420	8	1.9	412	98.1	457
South Cobb	524	92	17.6	432	82.4	426
Sprayberry	440	18	4.1	422	95.9	444
Walton	644	11	1.7	633	98.3	463
Wheeler	511	44	8.6	467	91.4	443

2010-11 EOCT - Math I

School	N Tested	n PL-1	% PL-1	n PL-2 / 3	% PL-2/3	Scale Score
District	8,818	2,971	33.7	5,847	66.3	414
Allatoona	485	119	24.5	366	75.5	418
Campbell	802	443	55.2	359	44.8	399
Harrison	459	42	9.2	417	90.8	432
Hillgrove	508	67	13.2	441	86.8	427
Kell	537	238	44.3	299	55.7	405
Kennesaw Mountain	442	118	26.7	324	73.3	420
Lassiter	489	57	11.7	432	88.3	431
McEachern	564	228	40.4	336	59.6	404
North Cobb	770	242	31.4	528	68.6	413
Oakwood	TFC					
Osborne	509	248	48.7	261	51.3	401
Pebblebrook	595	351	59.0	244	41.0	394
Pope	367	35	9.5	332	90.5	440
South Cobb	539	280	51.9	259	48.1	397
Sprayberry	536	151	28.2	385	71.8	418
Walton	597	40	6.7	557	93.3	447
Wheeler	619	312	50.4	307	49.6	404

2010-11 EOCT - Math II

School	N Tested	n PL-1	% PL-1	n PL-2 / 3	% PL-2/3	Scale Score
District	8,412	2,340	27.8	6,072	72.2	418
Allatoona	440	58	13.2	382	86.8	423
Campbell	641	286	44.6	355	55.4	405
Harrison	524	63	12.0	461	88.0	430
Hillgrove	589	64	10.9	525	89.1	426
Kell	456	145	31.8	311	68.2	412
Kennesaw Mountain	507	83	16.4	424	83.6	427
Lassiter	531	54	10.2	477	89.8	430
McEachern	558	273	48.9	285	51.1	400
North Cobb	659	171	25.9	488	74.1	416
Oakwood	18	16	88.9	2	11.1	381
Osborne	448	265	59.2	183	40.8	397
Pebblebrook	470	311	66.2	159	33.8	392
Pope	445	37	8.3	408	91.7	434
South Cobb	565	310	54.9	255	45.1	399
Sprayberry	450	73	16.2	377	83.8	422
Walton	611	25	4.1	586	95.9	448
Wheeler	500	106	21.2	394	78.8	432

2010-11 EOCT - Biology

School	N Tested	n PL-1	% PL-1	n PL-2 / 3	% PL-2/3	Scale Score
District	9,125	2,246	24.6	6,879	75.4	432
Allatoona	457	75	16.4	382	83.6	434
Campbell	731	342	46.8	389	53.2	410
Harrison	533	40	7.5	493	92.5	451
Hillgrove	550	52	9.5	498	90.5	444
Kell	444	92	20.7	352	79.3	433
Kennesaw Mountain	522	73	14.0	449	86.0	447
Lassiter	542	48	8.9	494	91.1	450
McEachern	610	160	26.2	450	73.8	424
North Cobb	759	179	23.6	580	76.4	427
Oakwood	40	23	57.5	17	42.5	403
Osborne	539	232	43.0	307	57.0	408
Pebblebrook	668	316	47.3	352	52.7	403
Pope	408	14	3.4	394	96.6	469
South Cobb	617	303	49.1	314	50.9	404
Sprayberry	506	79	15.6	427	84.4	440
Walton	602	31	5.1	571	94.9	466
Wheeler	597	187	31.3	410	68.7	429

2010-11 EOCT - Physical Science

School	N Tested	n PL-1	% PL-1	n PL-2 / 3	% PL-2/3	Scale Score
District	751	77	10.3	674	89.7	475
Allatoona	TFC					
Campbell	TFC					
Harrison	TFC					
Hillgrove	TFC					
Kell	TFC					
Kennesaw Mountain	TFC					
Lassiter	TFC					
McEachern	TFC					
North Cobb	12	7	58.3	5	41.7	398
Oakwood	22	9	40.9	13	59.1	400
Osborne	TFC					
Pebblebrook	10	8	80.0	2	20.0	376
Pope	19	7	36.8	12	63.2	407
South Cobb	12	9	75.0	3	25.0	370
Sprayberry	11	4	36.4	7	63.6	406
Walton	620	17	2.7	603	97.3	491
Wheeler	TFC					

2010-11 EOCT - US History

School	N Tested	n PL-1	% PL-1	n PL-2 / 3	% PL-2/3	Scale Score
District	7,744	1,858	24.0	5,886	76.0	438
Allatoona	448	62	13.8	386	86.2	440
Campbell	512	188	36.7	324	63.3	422
Harrison	561	81	14.4	480	85.6	450
Hillgrove	544	108	19.9	436	80.1	443
Kell	441	110	24.9	331	75.1	435
Kennesaw Mountain	174	27	15.5	147	84.5	448
Lassiter	487	30	6.2	457	93.8	471
McEachern	527	146	27.7	381	72.3	425
North Cobb	762	184	24.1	578	75.9	432
Oakwood	54	40	74.1	14	25.9	379
Osborne	394	222	56.3	172	43.7	394
Pebblebrook	395	189	47.8	206	52.2	404
Pope	421	36	8.6	385	91.4	463
South Cobb	455	200	44.0	255	56.0	408
Sprayberry	410	57	13.9	353	86.1	450
Walton	665	47	7.1	618	92.9	472
Wheeler	494	131	26.5	363	73.5	439

2010-11 EOCT - Economics

School	N Tested	n PL-1	% PL-1	n PL-2 / 3	% PL-2/3	Scale Score
District	7,228	1,263	17.5	5,965	82.5	441
Allatoona	266	29	10.9	237	89.1	445
Campbell	315	98	31.1	217	68.9	425
Harrison	518	52	10.0	466	90.0	447
Hillgrove	483	38	7.9	445	92.1	450
Kell	427	124	29.0	303	71.0	422
Kennesaw Mountain	467	82	17.6	385	82.4	445
Lassiter	452	17	3.8	435	96.2	461
McEachern	476	72	15.1	404	84.9	438
North Cobb	595	87	14.6	508	85.4	438
Oakwood	72	37	51.4	35	48.6	398
Osborne	328	140	42.7	188	57.3	406
Pebblebrook	434	167	38.5	267	61.5	410
Pope	452	19	4.2	433	95.8	471
South Cobb	442	138	31.2	304	68.8	422
Sprayberry	400	51	12.8	349	87.3	445
Walton	647	53	8.2	594	91.8	456
Wheeler	454	59	13.0	395	87.0	455