

END-OF-COURSE MULTIPLE-CHOICE TEST RESULTS FOR 2004-05

WCPSS Evaluation and Research Department

End-of-Course (EOC) test scores in the Wake County Public School System (WCPSS) showed mixed results when compared to prior years. Average scale scores rose slightly in four of eight subject areas, fell slightly in three subjects and was unchanged in one subject. The percent of students scoring in the proficient range (Level III or IV) rose slightly in two subjects, fell slightly in five subjects, and was unchanged in one subject. The composite percentage of all EOC test scores at Level III or IV was unchanged from 2003-04, remaining at 83.2%

EOC MEAN SCALE SCORES

Scale scores established by the North Carolina Department of Public Instruction (NCDPI) are used for calculating growth/gain scores in the ABC Accountability Program and are a good way to describe the overall performance of a group. As shown in Table 1, average scale scores rose slightly in 2004-05 in Geometry, Biology, Physical Science, and English I. Average scale scores fell slightly in Algebra II, Chemistry, and Physics, and were unchanged in Algebra I.

Table 1
Average Scale Scores For WCPSS
1998-99 to 2004-05

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Algebra I	61.4	63.4	65.0	66.4	66.2	67.1	67.1
Geometry	62.5	63.0	63.7	64.2	64.8	63.6	64.0
Algebra II	65.3	65.0	67.0	68.9	69.1	69.7	69.2
Biology	58.3	59.0	59.2	60.6	59.6	59.5	59.8
Chemistry	61.8	61.3	62.0	63.2	64.0	65.0	64.7
Physics	59.7	59.1	59.1	63.8	62.7	63.9	63.2
Physical Science	54.9	55.4	56.2	56.0	55.2	55.7	55.9
English I	56.7	58.0	58.0	58.6	60.4	59.9	60.0

EXAM RESULTS BY ACHIEVEMENT LEVEL

NCDPI categorizes scale scores into four achievement levels. Students scoring in Levels III and IV are considered to have consistently demonstrated mastery of course subject matter and skills. The percentage of students scoring at Levels III or IV on EOC exams showed little change from the previous year, as shown in Table 2.

Table 2
 Percent Of WCPSS Students Scoring in Levels III or IV
 1998-99 to 2004-05

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Algebra I	78.3%	81.5%	88.3%	88.3%	88.3%	89.4%	89.0%
Geometry	74.0%	74.8%	79.9%	80.1%	82.1%	78.1%	78.1%
Algebra II	77.3%	75.6%	82.3%	86.6%	85.2%	87.7%	86.7%
Biology	68.4%	70.4%	70.6%	80.6%	74.2%	74.1%	74.2%
Chemistry	77.7%	74.6%	78.1%	83.7%	85.5%	88.7%	87.4%
Physics	81.9%	79.3%	81.8%	90.7%	89.2%	92.5%	92.0%
Physical Science	59.1%	62.5%	66.0%	65.4%	61.5%	65.8%	67.2%
English I	74.1%	78.6%	79.2%	81.2%	88.8%	87.5%	87.4%

A more complete report examining disaggregated data and course participation will be issued in late July.

Attachments A and B show individual school results for the past three years.

Attachment A
Percent of Students Scoring in Levels III and IV in English I and Three Math Courses: 2003-2005

School	English I			Algebra I			Geometry			Algebra II		
	02-03	03-04	04-05	02-03	03-04	04-05	02-03	03-04	04-05	02-03	03-04	04-05
316 Apex High	95.6%	93.0%	93.0%	90.6%	94.9%	92.2%	91.3%	87.9%	89.1%	93.6%	93.6%	93.8%
318 Athens Drive High	85.5%	88.1%	85.7%	87.9%	94.7%	91.8%	86.1%	86.7%	91.2%	82.0%	89.4%	90.7%
348 Broughton High	90.8%	88.9%	88.8%	72.4%	73.4%	86.4%	87.4%	78.0%	79.6%	69.1%	72.3%	75.8%
368 Cary High	92.6%	90.1%	86.3%	95.3%	92.2%	92.8%	87.8%	83.7%	86.8%	93.7%	93.7%	95.9%
411 East Wake High	83.5%	81.3%	80.1%	84.3%	83.2%	77.4%	76.6%	71.4%	54.7%	77.1%	88.7%	82.9%
412 Enloe High	93.1%	91.4%	92.3%	60.4%	65.4%	68.8%	73.0%	69.1%	73.2%	80.6%	81.7%	81.4%
428 Fuquay-Varina High	89.9%	86.4%	86.4%	91.8%	92.0%	90.2%	86.9%	82.7%	81.3%	86.7%	91.8%	88.4%
436 Garner High	75.0%	71.1%	82.9%	69.3%	70.8%	71.6%	63.5%	52.3%	52.3%	82.8%	69.4%	80.1%
441 Green Hope High	95.4%	95.1%	95.6%	92.7%	91.0%	90.6%	91.3%	86.8%	87.7%	95.6%	92.5%	90.5%
466 Knightdale High			82.8%			79.2%			70.6%			98.2%
473 Leesville Road High	91.9%	94.2%	90.2%	94.6%	92.9%	92.1%	89.4%	85.5%	82.2%	93.9%	97.1%	94.2%
495 Middle Creek High	89.2%	89.4%	87.1%	83.8%	88.6%	80.3%	87.3%	67.2%	74.1%	100.0%	89.5%	74.9%
500 Millbrook High	83.2%	81.7%	84.8%	82.6%	83.6%	76.3%	68.2%	73.9%	70.5%	82.6%	84.6%	77.1%
552 Sanderson High	83.7%	81.4%	81.3%	88.5%	85.9%	87.4%	79.9%	75.3%	78.5%	78.3%	87.9%	90.9%
562 Southeast Raleigh High	92.6%	88.6%	86.8%	83.7%	87.8%	88.3%	76.9%	81.6%	74.0%	84.2%	86.3%	85.1%
588 Wake Forest-Rolesville High	88.4%	90.6%	89.9%	83.4%	92.0%	90.8%	85.5%	83.8%	80.5%	92.2%	95.0%	92.4%
595 Wakefield High	91.3%	89.0%	87.6%	90.9%	89.8%	93.1%	81.4%	76.9%	79.6%	92.6%	91.2%	91.0%

Attachment B
Percent of Students Scoring in Levels III and IV in Four Science Courses: 2003-2005

School	Biology			Chemistry			Physics			Physical Science		
	02-03	03-04	04-05	02-03	03-04	04-05	02-03	03-04	04-05	02-03	03-04	04-05
316 Apex High	80.0%	78.2%	89.2%	80.7%	87.6%	83.6%	93.8%	86.3%	93.7%	77.0%	80.1%	81.4%
318 Athens Drive High	84.9%	81.9%	81.6%	86.4%	88.1%	97.8%	85.0%	96.4%	98.0%	77.1%	81.6%	81.4%
348 Broughton High	84.0%	80.5%	77.6%	88.3%	83.0%	87.6%	94.0%	88.5%	86.5%	71.6%	68.4%	73.5%
368 Cary High	82.4%	86.0%	85.9%	90.7%	90.8%	91.1%	90.3%	91.9%	91.8%	79.1%	76.4%	77.2%
411 East Wake High	61.0%	51.9%	48.4%	62.6%	84.6%	79.0%	85.7%	81.0%	86.8%	45.6%	60.5%	51.5%
412 Enloe High	70.9%	81.0%	84.0%	83.4%	87.1%	87.8%	87.3%	93.6%	92.2%	38.4%	45.8%	58.3%
428 Fuquay-Varina High	71.2%	74.6%	57.0%	75.5%	92.4%	91.3%	78.6%	96.7%	94.1%	73.5%	72.4%	66.7%
436 Garner High	67.2%	59.7%	51.2%	85.0%	83.1%	78.7%	80.5%	81.6%	79.7%	49.0%	50.7%	54.1%
441 Green Hope High	84.0%	88.6%	89.4%	83.3%	94.7%	95.3%	98.1%	97.5%	98.4%	71.3%	87.4%	79.5%
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495 Middle Creek High	74.2%	73.0%	73.4%	97.4%	89.9%	81.3%		94.7%	88.4%	51.6%	68.9%	65.1%
500 Millbrook High	74.6%	68.5%	74.7%	94.4%	93.3%	93.1%	92.6%	100.0%	94.5%	69.9%	68.1%	66.9%
552 Sanderson High	69.1%	67.1%	71.5%	92.6%	93.1%	89.5%	93.3%	100.0%	96.4%	49.7%	54.1%	60.6%
562 Southeast Raleigh High	63.7%	56.6%	67.0%	87.1%	81.8%	81.1%	80.6%	91.8%	89.6%	53.4%	71.0%	69.5%
588 Wake Forest-Rolesville High	73.4%	78.1%	75.9%	87.8%	92.5%	91.1%	78.4%	90.6%	92.7%	54.7%	60.7%	61.4%
595 Wakefield High	79.6%	78.3%	76.9%	83.5%	85.9%	80.9%	86.5%	90.0%	90.3%	54.5%	67.3%	53.5%