Statewide Cycle II Executive Summary Results

Grade 3 New Jersey Assessment of Knowledge and Skills Spring 2007

The spring 2007 grade 3 New Jersey Assessment of Knowledge and Skills (NJ ASK) consisted of two content areas: Language Arts Literacy and Mathematics. The NJ ASK is designed to give an early indication of the progress students are making in mastering the knowledge and skills described in the Core Curriculum Content Standards. The results are to be used by schools and districts to identify strengths and weaknesses in their educational programs. It is anticipated that this process will lead to improved instruction and better alignment with the Core Curriculum Content Standards. The results may also be used, along with other indicators of student progress, to identify those students who may need instructional support in any of the content areas. This support, which could be in the form of individual or programmatic intervention, would be a means to address any identified knowledge or skill gaps.

The NJ ASK scores are reported as scale scores in each of the content areas. The scores range from 100-199 (Partially Proficient), 200-249 (Proficient), and 250-300 (Advanced Proficient). The scores of students who are included in the Partially Proficient level are considered to be below the state minimum of proficiency and those students may be most in need of instructional support.

The NJ ASK was administered in March 2007. From a total third grade student population of 102,812, valid scores were obtained in Language Arts Literacy from 100,877 students, with 289 students not present and 997 voids (unscorable due to illness, other difficulties during testing, or an insufficient number of items answered in a given content area). Valid scores were obtained in Mathematics from 101,800 students, with 238 not present and 163 voids.

This executive summary includes two tables summarizing statewide test results for the 2007 grade 3 administration of the NJ ASK. Table A.3.1 presents results for Language Arts Literacy and Table A.3.2 presents results for Mathematics. Results are presented for the following student groups: all, general education, special education, and limited English proficient (LEP) students. LEP is further broken out by the following groups: LEP current and former, LEP current, and LEP former. Data are also summarized for several demographic variables including: gender, ethnicity, and economic status. The tables include the number of students enrolled, not present, voided, and with valid scale scores. In addition, the tables present mean scale score and the percent of students in each performance category (i.e., Partially Proficient, Proficient, and Advanced Proficient).

The tables that follow are derived from the statewide performance data of the Cycle II report. Note that the enrollment is based on the number of students with scannable test booklets. Also, students coded as multiple ethnicity and those whose ethnicity was unspecified are counted as Other. The percentage of students in the combined category, Proficient or Advanced Proficient, is calculated by subtracting the percentage of students in Partially Proficient from one hundred. The percentages may not total to one hundred due to rounding. Following are highlights of the 2007 third grade assessment results.

Grade 3 Language Arts Literacy Results:

• Of the 100,877 grade 3 students with valid scale scores in Language Arts Literacy in spring 2007, 16.6% scored in Partially Proficient, 75.2% scored in Proficient and 8.2% scored in Advanced Proficient (Table A.3.1).

- **General Education** 89.1% of general education grade 3 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.3.1).
- **Special Education** 56.8% of special education grade 3 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.3.1).
- Limited English Proficient, Current and Former 61.4% of total limited English proficient grade 3 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.3.1).
- **Current Limited English Proficient** 51.3% of current limited English proficient grade 3 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.3.1).
- **Former Limited English Proficient** 77.5% of former limited English proficient grade 3 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.3.1).
- **Gender** 86.6% of female compared to 80.4% of male grade 3 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.3.1).
- Ethnicity For performance by grade 3 ethnic groups in 2007, students scoring in Proficient or Advanced Proficient in Language Arts Literacy ranged from 92.7% of Asian students to 68.7% of African American students. The percentage of Proficient and Advanced Proficient for all other race/ethnic groups fell between Asians and African Americans (Table A.3.1).
- **Economic Status** 69.0% of economically disadvantaged grade 3 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.3.1).
- The mean scale score for all grade 3 students on the Language Arts Literacy test in spring 2007 was 218.0 (Table A.3.1).

Grade 3 Mathematics Results:

- Of the 101,800 grade 3 students with valid scale scores in Mathematics in spring 2007, 12.7% scored in Partially Proficient, 55.0% scored in Proficient and 32.3% scored in Advanced Proficient (Table A.3.2).
- **General Education** 91.0% of general education grade 3 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.3.2).
- **Special Education** 71.9% of special education grade 3 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.3.2).
- **Limited English Proficient, Current and Former** 71.6% of total limited English proficient grade 3 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.3.2).
- **Current Limited English Proficient** 65.1% of current limited English proficient grade 3 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.3.2).

- **Former Limited English Proficient** 84.2% of former limited English proficient grade 3 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.3.2).
- **Gender** 87.7% of female compared to 87.0% of male grade 3 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.3.2).
- Ethnicity For performance by grade 3 ethnic groups in 2007, students scoring in Proficient or Advanced Proficient in Mathematics ranged from 96.1% of Asian students to 72.6% of African American students. The percentage of Proficient and Advanced Proficient for all other race/ethnic groups fell between Asians and African Americans (Table A.3.2).
- **Economic Status** 75.6% of economically disadvantaged grade 3 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.3.2).
- The mean scale score for all grade 3 students on the Mathematics test in spring 2007 was 232.3 (Table A.3.2).

Reporting Rules for Data File:

The accompanying state summary data file contains the same type of information shown in the statewide summary tables included with this executive summary. Please note that there may be small differences between the state summary data file and the Cycle II reports issued to districts. In order to safeguard student confidentiality, certain information is suppressed in the state summary file according to the following reporting rules:

- Data are not reported where the number of students with valid scale scores for a particular group is less than 11.
- Data are not reported where demographic groups are mutually exclusive (e.g., gender) and there are one or two students with a valid scale score in one of the groups (e.g., male).
- Data are not reported when it is otherwise possible to identify individual student performance.

TABLE A.3.1
STATEWIDE PERFORMANCE BY DEMOGRAPHIC GROUPS SPRING 2007 -- GRADE 3

Language Arts Literacy

		Number of Students Enrolled	Number Not Present	Number of Voids	Number of Valid Scale Scores	Scale Score Mean	% Partially Proficient	% Proficient	% Advanced Proficient
All	All Students	102812	289	997	100877	218.0	16.6%	75.2%	8.2%
Education Status	General Education Students	83538	139	181	83218	222.0	10.9%	79.6%	9.5%
	Special Education Students	15275	75	184	14367	199.1	43.2%	55.0%	1.9%
Limited English Proficient	Total Limited English Proficient Students	6626	85	654	5874	202.0	38.6%	59.2%	2.2%
	Current Limited English Proficient Students	4363	80	651	3625	196.0	48.7%	50.0%	1.4%
	Former Limited English Proficient Students	2263	5	3	2249	211.7	22.5%	74.0%	3.5%
Gender	Female	49756	112	391	49044	221.5	13.4%	75.2%	11.4%
	Male	53007	166	604	51808	214.6	19.6%	75.3%	5.0%
Ethnicity	American Indian	76	0	1	75	212.7	25.3%	66.7%	8.0%
	Asian	8514	27	148	8287	227.6	7.3%	75.7%	17.0%
	Black	17722	66	175	17354	206.7	31.3%	65.9%	2.7%
	Hispanic	19590	102	424	18926	208.5	27.8%	69.2%	2.9%
	Pacific Islander	211	1	3	206	224.4	7.8%	78.2%	14.1%
	White	56143	63	236	55534	223.3	9.6%	80.1%	10.3%
	Other	556	30	10	495	214.8	21.2%	71.7%	7.1%
Economic Status	Economically Disadvantaged	31727	127	547	30829	206.5	31.0%	66.6%	2.4%
	Non-Economically Disadvantaged	71085	162	450	70048	223.0	10.3%	79.0%	10.7%

TABLE A.3.2

STATEWIDE PERFORMANCE BY DEMOGRAPHIC GROUPS SPRING 2007 -- GRADE 3

Mathematics

		Number of Students Enrolled	Number Not Present	Number of Voids	Number of Valid Scale Scores	Scale Score Mean	% Partially Proficient	% Proficient	% Advanced Proficient
All	All Students	102812	238	163	101800	232.3	12.7%	55.0%	32.3%
Education Status	General Education Students	83538	152	67	83319	236.0	9.0%	55.4%	35.6%
	Special Education Students	15275	67	89	14508	217.2	28.1%	53.1%	18.8%
Limited English Proficient	Total Limited English Proficient Students	6626	26	8	6582	216.1	28.4%	55.8%	15.8%
	Current Limited English Proficient Students	4363	22	7	4330	210.5	34.9%	53.1%	12.0%
	Former Limited English Proficient Students	2263	4	1	2252	226.9	15.8%	61.0%	23.2%
Gender	Female	49756	91	48	49414	232.2	12.3%	56.3%	31.4%
	Male	53007	143	114	52353	232.5	13.0%	53.9%	33.2%
Ethnicity	American Indian	76	0	0	76	227.1	15.8%	61.8%	22.4%
	Asian	8514	16	8	8439	246.3	3.9%	42.3%	53.8%
	Black	17722	82	62	17456	215.6	27.4%	58.6%	14.0%
	Hispanic	19590	61	28	19374	221.5	21.1%	60.7%	18.1%
	Pacific Islander	211	1	0	209	240.2	7.2%	50.2%	42.6%
	White	56143	60	61	55733	239.2	6.4%	53.9%	39.7%
	Other	556	18	4	513	228.3	17.9%	52.8%	29.2%
Economic Status	Economically Disadvantaged	31727	118	76	31324	218.5	24.4%	59.5%	16.2%
	Non-Economically Disadvantaged	71085	120	87	70476	238.5	7.5%	53.1%	39.5%

Statewide Cycle II Executive Summary Results

Grade 4 New Jersey Assessment of Knowledge and Skills Spring 2007

The spring 2007 grade 4 New Jersey Assessment of Knowledge and Skills (NJ ASK) consisted of three content areas: Language Arts Literacy, Mathematics, and Science. The NJ ASK is designed to give an early indication of the progress students are making in mastering the knowledge and skills described in the Core Curriculum Content Standards. The results are to be used by schools and districts to identify strengths and weaknesses in their educational programs. It is anticipated that this process will lead to improved instruction and better alignment with the Core Curriculum Content Standards. The results may also be used, along with other indicators of student progress, to identify those students who may need instructional support in any of the content areas. This support, which could be in the form of individual or programmatic intervention, would be a means to address any identified knowledge or skill gaps.

The NJ ASK scores are reported as scale scores in each of the content areas. The scores range from 100-199 (Partially Proficient), 200-249 (Proficient), and 250-300 (Advanced Proficient). The scores of students who are included in the Partially Proficient level are considered to be below the state minimum of proficiency, and those students may be most in need of instructional support.

The NJ ASK was administered in March 2007. From a total fourth grade student population of 102,490, valid scores were obtained in Language Arts Literacy from 100,617 students, with 339 students not present and 879 voids (unscorable due to illness, other difficulties during testing, or an insufficient number of items answered in a given content area). Valid scores were obtained in Mathematics from 101,310 students, with 278 not present and 259 voids. Valid scores were obtained in Science from 101,266 students, with 497 not present and 130 voids.

This executive summary includes three tables summarizing statewide test results for the 2007 administration of the grade 4 NJ ASK. Table A.4.1 presents results for Language Arts Literacy, Table A.4.2 presents results for Mathematics, and Table A.4.3 presents results for Science. Results are presented for the following student groups: all, general education, special education, and limited English proficient (LEP) students. LEP is further broken out by the following groups: LEP current and former, LEP current, and LEP former. Data are also summarized for several demographic variables including: gender, ethnicity, and economic status. The tables include the number of students enrolled, not present, voided, and with valid scale scores. In addition, the tables present mean scale score and the percent of students in each performance category (i.e., Partially Proficient, Proficient, and Advanced Proficient).

The tables that follow are derived from the statewide performance data of the Cycle II report. Note that the enrollment is based on the number of students with scannable test booklets. Also, students coded as multiple ethnicity and those whose ethnicity was unspecified are counted as Other. The percentage of students in the combined category, Proficient or Advanced Proficient, is calculated by subtracting the percentage of students in Partially Proficient from one hundred. The percentages may not total to one hundred due to rounding.

Following are highlights of the 2007 fourth grade assessment results.

Grade 4 Language Arts Literacy Results:

• Of the 100,617 grade 4 students with valid scale scores in Language Arts Literacy in spring 2007, 19.4% scored in Partially Proficient, 73.9% scored in Proficient and 6.7% scored in Advanced Proficient (Table A.4.1).

- **General Education:** 87.4% of general education grade 4 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.4.1).
- **Special Education** 49.5% of special education grade 4 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.4.1).
- Limited English Proficient, Current and Former 53.3% of total limited English proficient grade 4 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.4.1).
- **Current Limited English Proficient** 44.6% of current limited English proficient grade 4 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.4.1).
- **Former Limited English Proficient** 68.4% of former limited English proficient grade 4 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.4.1).
- **Gender** 84.3% of female compared to 77.1% of male grade 4 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.4.1).
- Ethnicity For performance by grade 4 ethnic groups in 2007, students scoring in Proficient or Advanced Proficient in Language Arts Literacy ranged from 91.8% of Asian students to 62.9% of African American students. The percentage of Advanced Proficient and Proficient for all other race/ethnic groups fell between Asians and African Americans (Table A.4.1).
- **Economic Status** 64.5% of economically disadvantaged grade 4 students in 2007 scored in Proficient or Advanced Proficient in Language Arts Literacy (Table A.4.1).
- The mean scale score for all grade 4 students on the Language Arts Literacy test in spring 2007, was 215.7 (Table A.4.1).

Grade 4 Mathematics Results:

- Of the 101,310 grade 4 students with valid scale scores in Mathematics in spring 2007, 15.3% scored in Partially Proficient, 43.7% scored in Proficient and 41.0% scored in Advanced Proficient (Table A.4.2).
- **General Education:** 89.7% of general education grade 4 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.4.2).
- **Special Education** 63.7% of special education grade 4 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.4.2).
- Limited English Proficient, Current and Former 62.2% of total limited English proficient grade 4 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.4.2).

- **Current Limited English Proficient** 54.8% of current limited English proficient grade 4 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.4.2).
- **Former Limited English Proficient** 77.7% of former limited English proficient grade 4 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.4.2).
- **Gender** 84.8% of female compared to 84.6% of male grade 4 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.4.2).
- Ethnicity For performance by grade 4 ethnic groups in 2007, students scoring in Proficient or Advanced Proficient in Mathematics ranged from 94.9% of Asian students to 68.3% of African American students. The percentage of Advanced Proficient and Proficient for all other race/ethnic groups fell between Asians and African Americans (Table A.4.2).
- **Economic Status** 71.3% of economically disadvantaged grade 4 students in 2007 scored in Proficient or Advanced Proficient in Mathematics (Table A.4.2).
- The mean scale score for all grade 4 students on the Mathematics test in spring 2007 was 234.1 (Table A.4.2).

Grade 4 Science Results:

- Of the 101,266 grade 4 students with valid scale scores in Science in spring 2007, 16.9% scored in Partially Proficient, 42.3% scored in Proficient and 40.8% scored in Advanced Proficient (Table A.4.3).
- **General Education:** 87.9% of general education grade 4 students in 2007 scored in Proficient or Advanced Proficient in Science (Table A.4.3).
- **Special Education** 66.4% of special education grade 4 students in 2007 scored in Proficient or Advanced Proficient in Science (Table A.4.3).
- **Limited English Proficient, Current and Former** 50.4% of total limited English proficient grade 4 students in 2007 scored in Proficient or Advanced Proficient in Science (Table A.4.3).
- **Current Limited English Proficient** 41.3% of current limited English proficient grade 4 students in 2007 scored in Proficient or Advanced Proficient in Science (Table A.4.3).
- **Former Limited English Proficient** 69.4% of former limited English proficient grade 4 students in 2007 scored in Proficient or Advanced Proficient in Science (Table A.4.3).
- **Gender** 82.5% of female compared to 83.8% of male grade 4 students in 2007 scored in Proficient or Advanced Proficient in Science (Table A.4.3).
- Ethnicity For performance by grade 4 ethnic groups in 2007, students scoring in Proficient or Advanced Proficient in Science ranged from 92.4% of White students to 64.5% of African American students. The percentage of Advanced Proficient and Proficient for all other race/ethnic groups fell between Asians and African Americans (Table A.4.3).

- **Economic Status** 66.2% of economically disadvantaged grade 4 students in 2007 scored in Proficient or Advanced Proficient in Science (Table A.4.3).
- The mean scale score for all grade 4 students on the Science test in spring 2007 was 231.3 (Table A.4.3).

Reporting Rules for Data File

The accompanying state summary data file contains the same type of information shown in the statewide summary tables included with this executive summary. Please note that there may be small differences between the data file and reports issued to districts due to adjustments made to the data by districts after the reporting deadline. In order to safeguard student confidentiality, certain information is suppressed in the state summary file according to the following reporting rules:

- Data are not reported where the number of students with valid scale scores for a particular group is less than 11.
- Data are not reported where demographic groups are mutually exclusive (e.g., gender) and there are one or two students with a valid scale score in one of the groups (e.g., male).
- Data are not reported when it is otherwise possible to identify individual student performance.

TABLE A.4.1
STATEWIDE PERFORMANCE BY DEMOGRAPHIC GROUPS SPRING 2007 -- GRADE 4

Language Arts Literacy

		Number of Students Enrolled	Number Not Present	Number of Voids	Number of Valid Scale Scores	Scale Score Mean	% Partially Proficient	% Proficient	% Advanced Proficient
All	All Students	102490	339	879	100617	215.7	19.4%	73.9%	6.7%
Education Status	General Education Students	82960	169	150	82641	220.4	12.6%	79.6%	7.9%
	Special Education Students	16130	83	163	15229	194.1	50.5%	48.3%	1.2%
Limited English Proficient	Total Limited English Proficient Students	5521	89	589	4830	196.4	46.7%	52.0%	1.3%
	Current Limited English Proficient Students	3747	89	586	3063	190.5	55.4%	43.9%	0.7%
	Former Limited English Proficient Students	1774	0	3	1767	206.5	31.6%	65.9%	2.4%
Gender	Female	49817	148	359	49096	219.3	15.7%	74.9%	9.4%
	Male	52633	184	518	51502	212.2	22.9%	73.0%	4.1%
Ethnicity	American Indian	111	0	1	108	209.3	25.9%	70.4%	3.7%
	Asian	8304	27	110	8119	226.8	8.2%	76.3%	15.6%
	Black	17495	81	152	17131	202.9	37.1%	60.9%	2.0%
	Hispanic	19277	104	414	18642	206.3	30.9%	66.7%	2.4%
	Pacific Islander	230	1	5	223	224.2	12.6%	72.6%	14.8%
	White	56561	93	186	55965	221.1	11.8%	80.0%	8.2%
	Other	512	33	11	429	209.8	25.9%	68.8%	5.4%
Economic Status	Economically Disadvantaged	30922	160	507	30050	203.4	35.5%	62.8%	1.7%
	Non-Economically Disadvantaged	71568	179	372	70567	220.9	12.6%	78.6%	8.8%

TABLE A.4.2
STATEWIDE PERFORMANCE BY DEMOGRAPHIC GROUPS SPRING 2007 -- GRADE 4

Mathematics

		Number of Students Enrolled	Number Not Present	Number of Voids	Number of Valid Scale Scores	Scale Score Mean	% Partially Proficient	% Proficient	% Advanced Proficient
All	All Students	102490	278	259	101310	234.1	15.3%	43.7%	41.0%
Education Status	General Education Students	82960	169	132	82659	239.3	10.3%	43.9%	45.8%
	Special Education Students	16130	92	109	15286	212.2	36.3%	43.1%	20.6%
Limited English Proficient	Total Limited English Proficient Students	5521	22	22	5465	210.8	37.8%	43.7%	18.5%
	Current Limited English Proficient Students	3747	19	19	3701	204.7	45.2%	40.2%	14.6%
	Former Limited English Proficient Students	1774	3	3	1764	223.7	22.3%	51.1%	26.6%
Gender	Female	49817	108	83	49411	233.4	15.2%	45.5%	39.3%
	Male	52633	162	174	51881	234.7	15.4%	41.9%	42.6%
Ethnicity	American Indian	111	0	0	109	226.3	19.3%	49.5%	31.2%
	Asian	8304	14	6	8239	251.6	5.1%	29.0%	65.8%
	Black	17495	88	103	17172	214.8	31.7%	49.0%	19.2%
	Hispanic	19277	60	53	19051	221.0	25.3%	49.6%	25.0%
	Pacific Islander	230	0	1	228	246.3	7.0%	32.9%	60.1%
	White	56561	93	89	56068	241.9	8.4%	42.2%	49.5%
	Other	512	23	7	443	227.0	21.9%	43.6%	34.5%
Economic Status	Economically Disadvantaged	30922	130	133	30461	217.7	28.7%	49.4%	21.9%
	Non-Economically Disadvantaged	71568	148	126	70849	241.1	9.6%	41.2%	49.2%

TABLE A.4.3

STATEWIDE PERFORMANCE BY DEMOGRAPHIC GROUPS SPRING 2007 -- GRADE 4

Science

		Number of Students Enrolled	Number Not Present	Number of Voids	Number of Valid Scale Scores	Scale Score Mean	% Partially Proficient	% Proficient	% Advanced Proficient
All	All Students	102490	497	130	101266	231.3	16.9%	42.3%	40.8%
Education Status	General Education Students	82960	294	65	82601	236.1	12.1%	42.4%	45.5%
	Special Education Students	16130	162	60	15311	213.8	33.6%	44.0%	22.4%
Limited English Proficient	Total Limited English Proficient Students	5521	47	9	5454	199.6	49.6%	38.5%	11.9%
	Current Limited English Proficient Students	3747	44	7	3689	193.0	58.7%	32.6%	8.7%
	Former Limited English Proficient Students	1774	3	2	1765	213.6	30.6%	50.8%	18.6%
Gender	Female	49817	217	42	49360	229.6	17.5%	44.8%	37.7%
	Male	52633	274	87	51886	233.0	16.2%	40.0%	43.8%
Ethnicity	American Indian	111	1	0	108	227.3	17.6%	49.1%	33.3%
	Asian	8304	27	5	8231	244.5	8.2%	32.9%	58.9%
	Black	17495	137	47	17183	210.9	35.5%	47.7%	16.9%
	Hispanic	19277	110	14	19046	215.0	30.9%	47.8%	21.4%
	Pacific Islander	230	0	2	227	242.2	9.7%	34.8%	55.5%
	White	56561	198	58	56025	241.3	7.6%	40.3%	52.1%
	Other	512	24	4	446	225.1	23.1%	43.9%	33.0%
Economic Status	Economically Disadvantaged	30922	230	55	30453	212.4	33.8%	47.6%	18.6%
	Non-Economically Disadvantaged	71568	267	75	70813	239.5	9.6%	40.1%	50.3%