June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results,* adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education

MEA
Maine Educational Assessment

School Report
Grade 8

Test Date:	March 2008
Code:	10351216
SAU:	Charlotte School Department
School:	Charlotte Elementary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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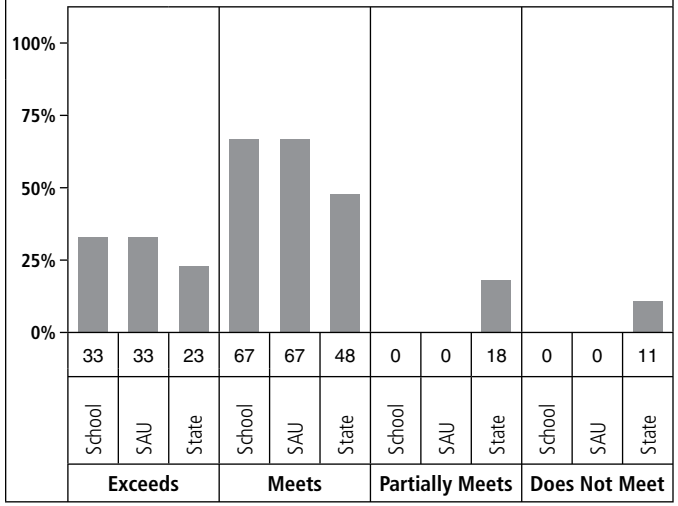
SUMMARY OF SCORES

Test Date:	March 2008
Grade:	8
SAU:	Charlotte School Department
School:	Charlotte Elementary School

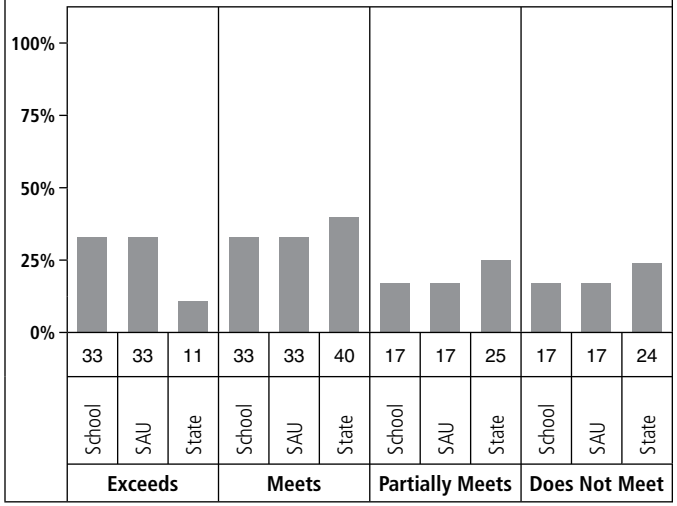
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006			845
2006–2007			847
2007–2008	**855**	**855**	**849**
Cum. Avg.*			847
Mathematics			
2005–2006			840
2006–2007			842
2007–2008	**850**	**850**	**841**
Cum. Avg.*			841
Science & Technology			
2005–2006			846
2006–2007			847
2007–2008	**855**	**855**	**847**
Cum. Avg.*			847

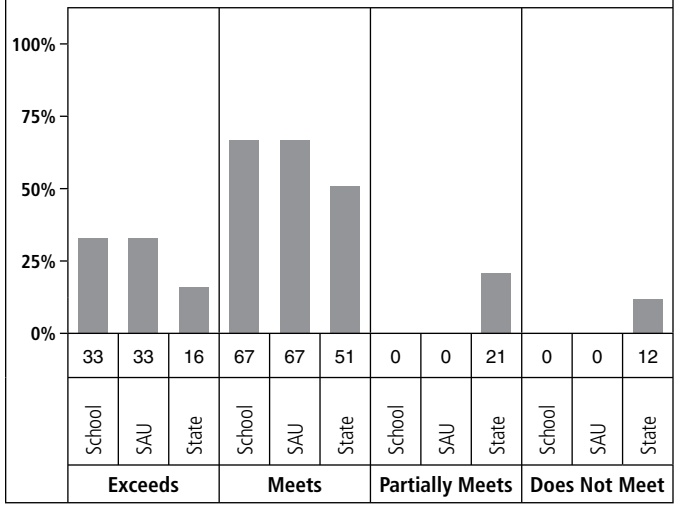
ELA – READING

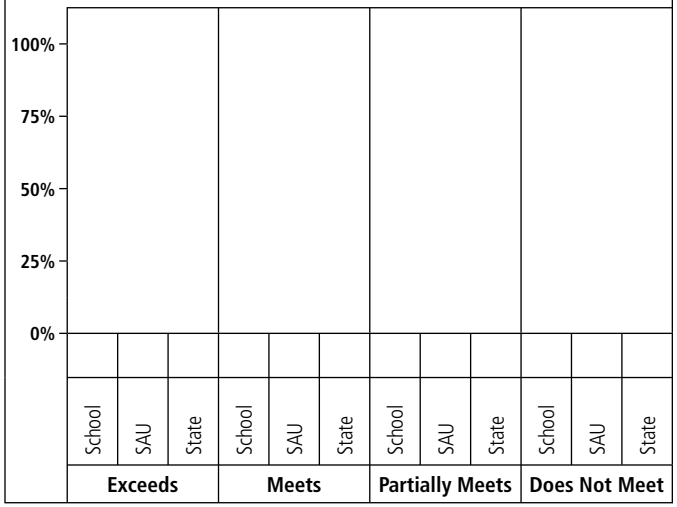


MATHEMATICS



SCIENCE AND TECHNOLOGY





*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

MEA
Maine Educational Assessment

Test Date: March 2008
Grade: 8
SAU: Charlotte School Department
School: Charlotte Elementary School

CATEGORY OF PARTICIPATION	Enrollment[1] during testing window						CONTENT AREA PARTICIPATION[2]																							
							ELA–Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	6	100	6	100	15274	100	6	100	6	100	15102	99	6	100	6	100	15097	99	6	100	6	100	15080	99						
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98						
Hispanic	0	0	0	0	139	1	0	0	0	0	136	98	0	0	0	0	136	98	0	0	0	0	136	98						
Caucasian/White	6	100	6	100	14461	95	6	100	6	100	14312	99	6	100	6	100	14302	99	6	100	6	100	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	2	33	2	33	2508	16	2	100	2	100	2446	98	2	100	2	100	2441	98	2	100	2	100	2431	98						
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99						
Economically disadvantaged	2	33	2	33	5420	35	2	100	2	100	5329	99	2	100	2	100	5324	99	2	100	2	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION[3]	ELA–Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	4	67	4	67	12703	83	4	67	4	67	12694	83	4	67	4	67	12710	83						
Identified disability (PET/IEP)	1	25	1	25	437	3	1	25	1	25	421	3	1	25	1	25	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	1	25	1	25	229	2	1	25	1	25	231	2	1	25	1	25	230	2						
Participation with accommodations	2	33	2	33	2221	15	2	33	2	33	2227	15	2	33	2	33	2197	14						
Identified disability (PET/IEP)	1	50	1	50	1832	82	1	50	1	50	1844	83	1	50	1	50	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	1	50	1	50	68	3	1	50	1	50	66	3	1	50	1	50	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	0	0	0	0	177	1	0	0	0	0	176	1	0	0	0	0	173	1						
Identified disability (PET/IEP)	0	0	0	0	177	100	0	0	0	0	176	100	0	0	0	0	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	0	0	0	0	140	1	0	0	0	0	143	1	0	0	0	0	160	1						

1 Percents are the percentage of students enrolled in each participation category.
2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.
3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Charlotte School Department
School:	Charlotte Elementary School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Level Expectations in English language arts – reading.		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006					2695	17
	2006-2007					2407	16
	2007-2008	**2**	**33**	**2**	**33**	**3428**	**23**
	Cum. Total*					8530	18
Meets the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006					6830	42
	2006-2007					7494	49
	2007-2008	**4**	**67**	**4**	**67**	**7179**	**48**
	Cum. Total*					21503	46
Partially Meets the Standards – The student's work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student's ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006					3741	23
	2006-2007					3628	24
	2007-2008	**0**	**0**	**0**	**0**	**2706**	**18**
	Cum. Total*					10075	22
Does Not Meet the Standards – The student's work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student's responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006					3003	18
	2006-2007					1810	12
	2007-2008	**0**	**0**	**0**	**0**	**1611**	**11**
	Cum. Total*					6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	**56**	**100**	40.7	72.7	40.7	72.7	36.9	65.9
Literary Text	**28**	**50**	20.5	73.2	20.5	73.2	18.3	65.4
Informational Text	**28**	**50**	20.2	72.1	20.2	72.1	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students' reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine's 1997 *Learning Results*, which can be found at http://www.maine.gov/education/lsalt/gles.htm.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.

ELA–READING RESULTS
(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: Charlotte School Department
School: Charlotte Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	6	2	33	4	67	0	0	0	0	855	6	33	67	0	0	855	14924	23	48	18	11	849
Ethnicity																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	0										0						131	18	38	27	17	846
Caucasian/White	6	2	33	4	67	0	0	0	0	855	6	33	67	0	0	855	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2269	3	24	32	42	833
No	4										4						12655	27	52	16	5	852
Current LEP																						
Yes	0										0						308	8	30	27	34	837
No	6	2	33	4	67	0	0	0	0	855	6	33	67	0	0	855	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	2										2						5222	12	44	25	19	843
No	4										4						9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	6	2	33	4	67	0	0	0	0	855	6	33	67	0	0	855	14917	23	48	18	11	849
Gender																						
Female	1										1						7198	30	48	15	7	853
Male	5	1	20	4	80	0	0	0	0	854	5	20	80	0	0	854	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										3						807	9	41	32	18	842
No	3										3						14117	24	49	17	10	850
Gifted/talented program																						
Yes	1										1						592	71	28	1	0	867
No	5	1	20	4	80	0	0	0	0	852	5	20	80	0	0	852	14332	21	49	19	11	849

E = Exceeds the Standards **M = Meets the Standards** **P = Partially Meets the Standards** **D = Does Not Meet the Standards**

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. **N** = Number

ELA–READING RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Charlotte School Department
School: Charlotte Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	50	1	33	2	67	0	0	0	0	857	50	33	67	0	0	857	9	10	39	24	26	841
B. less than one hour	50	1	33	2	67	0	0	0	0	853	50	33	67	0	0	853	46	20	50	20	11	849
C. one to two hours	0										0						41	28	49	15	7	852
D. more than two hours	0										0						5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	17	1	100	0	0	0	0	0	0	864	17	100	0	0	0	864	33	31	48	14	7	853
B. They match some of what I have learned.	83	1	20	4	80	0	0	0	0	854	83	20	80	0	0	854	53	21	51	19	9	849
C. They match just a little of what I have learned.	0										0						11	14	41	25	20	844
D. There is no match.	0										0						3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	50	2	67	1	33	0	0	0	0	862	50	67	33	0	0	862	31	42	44	8	6	857
B. good	50	0	0	3	100	0	0	0	0	849	50	0	100	0	0	849	49	19	54	19	9	849
C. fair	0										0						18	5	42	31	22	840
D. poor	0										0						2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	0										0						15	16	44	22	18	845
B. about the same as my regular schoolwork	67	2	50	2	50	0	0	0	0	860	67	50	50	0	0	860	65	23	49	18	9	850
C. easier than my regular schoolwork	33	0	0	2	100	0	0	0	0	847	33	0	100	0	0	847	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	0										0						9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	67	1	25	3	75	0	0	0	0	853	67	25	75	0	0	853	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	33	1	50	1	50	0	0	0	0	861	33	50	50	0	0	861	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	67	1	25	3	75	0	0	0	0	854	67	25	75	0	0	854	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	33	1	50	1	50	0	0	0	0	858	33	50	50	0	0	858	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	0										0						18	31	47	13	9	852
B. 20 minutes to an hour	83	2	40	3	60	0	0	0	0	856	83	40	60	0	0	856	41	28	49	15	7	852
C. less than 20 minutes	0										0						13	20	49	18	12	848
D. I rarely read at home.	17	0	0	1	100	0	0	0	0	850	17	0	100	0	0	850	28	12	47	26	16	844
How do you feel about the following statement? ***"My knowledge of reading will be useful to me as an adult."***																						
A. strongly agree	50	2	67	1	33	0	0	0	0	859	50	67	33	0	0	859	43	31	48	14	7	853
B. agree	50	0	0	3	100	0	0	0	0	851	50	0	100	0	0	851	48	18	50	20	12	848
C. disagree	0										0						6	11	43	24	21	843
D. strongly disagree	0										0						2	6	36	32	26	839
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards **M = Meets the Standards** **P = Partially Meets the Standards** **D = Does Not Meet the Standards**
N = Number

MATHEMATICS RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Charlotte School Department
School:	Charlotte Elementary School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Level Expectations in mathematics.		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006					1714	11
	2006-2007					1952	13
	2007-2008	**2**	**33**	**2**	**33**	**1657**	**11**
	Cum. Total*					5323	11
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student's work may contain minor errors. (scaled score 841–860)	2005-2006					5533	34
	2006-2007					5870	38
	2007-2008	**2**	**33**	**2**	**33**	**5956**	**40**
	Cum. Total*					17359	37
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006					4764	29
	2006-2007					3982	26
	2007-2008	**1**	**17**	**1**	**17**	**3729**	**25**
	Cum. Total*					12475	27
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006					4251	26
	2006-2007					3534	23
	2007-2008	**1**	**17**	**1**	**17**	**3579**	**24**
	Cum. Total*					11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	**16**	**29**	10.0	62.5	10.0	62.5	8.4	52.5
Cluster 2: Shape and Size	**14**	**25**	9.5	67.9	9.5	67.9	5.9	42.1
Cluster 3: Mathematical Decision Making	**8**	**14**	5.2	65.0	5.2	65.0	4.6	57.5
Cluster 4: Patterns	**18**	**32**	8.7	48.3	8.7	48.3	8.9	49.4

Cluster 1: Numbers and Operations
- A. Numbers and Number Sense
- B. Computation
- I. Discrete Mathematics (grades 3 and 4 only)

Cluster 2: Shape and Size
- E. Geometry
- F. Measurement

Cluster 3: Mathematical Decision Making
- C. Data Analysis and Statistics
- D. Probability

Cluster 4: Patterns
- G. Patterns, Relations, and Functions
- H. Algebra Concepts
- K. Mathematical Communication

Each content standard in the clusters above is defined in Maine's 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at http://www.maine.gov/education/lsalt/gles.htm.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.

MATHEMATICS RESULTS
(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: Charlotte School Department
School: Charlotte Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	6	2	33	2	33	1	17	1	17	850	6	33	33	17	17	850	14921	11	40	25	24	841
Ethnicity																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	0										0						131	7	34	26	33	836
Caucasian/White	6	2	33	2	33	1	17	1	17	850	6	33	33	17	17	850	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2265	1	14	22	62	824
No	4										4						12656	13	45	26	17	844
Current LEP																						
Yes	0										0						315	5	24	20	51	828
No	6	2	33	2	33	1	17	1	17	850	6	33	33	17	17	850	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	2										2						5217	5	30	29	37	834
No	4										4						9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	6	2	33	2	33	1	17	1	17	850	6	33	33	17	17	850	14914	11	40	25	24	841
Gender																						
Female	1										1						7199	11	40	26	23	841
Male	5	2	40	1	20	1	20	1	20	850	5	40	20	20	20	850	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										3						806	3	20	30	47	831
No	3										3						14115	12	41	25	23	842
Gifted/talented program																						
Yes	1										1						592	58	39	2	1	864
No	5	1	20	2	40	1	20	1	20	846	5	20	40	20	20	846	14329	9	40	26	25	840

E = Exceeds the Standards **M = Meets the Standards** **P = Partially Meets the Standards** **D = Does Not Meet the Standards**

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. **N** = Number

MATHEMATICS RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Charlotte School Department
School: Charlotte Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	50	2	67	1	33	0	0	0	0	863	50	67	33	0	0	863	9	5	30	23	41	833
B. less than one hour	50	0	0	1	33	1	33	1	33	837	50	0	33	33	33	837	46	10	40	26	25	840
C. one to two hours	0										0						41	14	42	25	19	843
D. more than two hours	0										0						5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	50	0	0	2	67	1	33	0	0	845	50	0	67	33	0	845	30	17	43	22	18	845
B. They match some of what I have learned.	33	1	50	0	0	0	0	1	50	849	33	50	0	0	50	849	50	10	42	26	22	841
C. They match just a little of what I have learned.	17	1	100	0	0	0	0	0	0	866	17	100	0	0	0	866	17	6	32	29	33	836
D. There is no match.	0										0						4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	33	1	50	1	50	0	0	0	0	856	33	50	50	0	0	856	26	29	46	14	11	851
B. good	50	1	33	1	33	1	33	0	0	853	50	33	33	33	0	853	45	7	46	27	20	841
C. fair	17	0	0	0	0	0	0	1	100	828	17	0	0	0	100	828	23	1	26	34	38	833
D. poor	0										0						5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	0										0						34	4	35	28	32	836
B. about the same as my regular schoolwork	100	2	33	2	33	1	17	1	17	850	100	33	33	17	17	850	52	10	43	26	21	842
C. easier than my regular schoolwork	0										0						13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	67	2	50	2	50	0	0	0	0	859	67	50	50	0	0	859	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	33	0	0	0	0	1	50	1	50	832	33	0	0	50	50	832	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	67	1	25	2	50	1	25	0	0	851	67	25	50	25	0	851	9	6	38	27	29	837
B. two or three days a week	0										0						16	8	38	27	27	839
C. two or three times each month	33	1	50	0	0	0	0	1	50	847	33	50	0	0	50	847	28	12	41	27	21	843
D. never or almost never	0										0						48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	50	1	33	1	33	1	33	0	0	853	50	33	33	33	0	853	38	14	42	23	21	843
B. two or three times a week	50	1	33	1	33	0	0	1	33	847	50	33	33	0	33	847	33	10	41	26	23	841
C. two or three times each month	0										0						18	10	36	27	27	840
D. never or almost never	0										0						11	7	34	26	33	836
How do you feel about the following statement? ***"My knowledge of mathematics will be useful to me as an adult."***																						
A. strongly agree	67	1	25	2	50	1	25	0	0	850	67	25	50	25	0	850	54	14	44	23	18	844
B. agree	33	1	50	0	0	0	0	1	50	849	33	50	0	0	50	849	38	8	36	27	28	838
C. disagree	0										0						6	6	31	28	36	835
D. strongly disagree	0										0						2	3	23	25	49	831
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards **M = Meets the Standards** **P = Partially Meets the Standards** **D = Does Not Meet the Standards**
N = Number

SCIENCE AND TECHNOLOGY RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Charlotte School Department
School:	Charlotte Elementary School

ACHIEVEMENT LEVEL DEFINITIONS

The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Span Expectations in science and technology.

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006					1879	12
	2006-2007					2192	14
	2007-2008	**2**	**33**	**2**	**33**	**2371**	**16**
	Cum. Total*					6442	14
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006					8604	53
	2006-2007					7916	52
	2007-2008	**4**	**67**	**4**	**67**	**7630**	**51**
	Cum. Total*					24150	52
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006					3618	22
	2006-2007					3340	22
	2007-2008	**0**	**0**	**0**	**0**	**3175**	**21**
	Cum. Total*					10133	22
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006					2174	13
	2006-2007					1865	12
	2007-2008	**0**	**0**	**0**	**0**	**1731**	**12**
	Cum. Total*					5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	**14**	**25**	10.3	73.6	10.3	73.6	8.1	57.9
Cluster 2: Physical Sciences	**14**	**25**	7.8	55.7	7.8	55.7	7.3	52.1
Cluster 3: Earth and Space Sciences	**14**	**25**	8.8	62.9	8.8	62.9	7.7	55.0
Cluster 4: Nature and Implications of Science	**14**	**25**	10.2	72.9	10.2	72.9	8.5	60.7

Cluster 1: Life Sciences
- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences
- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences
- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science
- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine's 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at http://www.maine.gov/education/lsalt/gles.htm.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.

SCIENCE AND TECHNOLOGY RESULTS
(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: Charlotte School Department
School: Charlotte Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	6	2	33	4	67	0	0	0	0	855	6	33	67	0	0	855	14907	16	51	21	12	847
Ethnicity																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	0										0						131	5	50	22	23	842
Caucasian/White	6	2	33	4	67	0	0	0	0	855	6	33	67	0	0	855	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2258	3	29	31	37	836
No	4										4						12649	18	55	20	7	850
Current LEP																						
Yes	0										0						315	4	29	25	42	834
No	6	2	33	4	67	0	0	0	0	855	6	33	67	0	0	855	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	2										2						5206	8	45	28	20	842
No	4										4						9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	6	2	33	4	67	0	0	0	0	855	6	33	67	0	0	855	14900	16	51	21	12	847
Gender																						
Female	1										1						7196	14	52	23	12	847
Male	5	2	40	3	60	0	0	0	0	858	5	40	60	0	0	858	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										3						804	6	38	34	22	841
No	3										3						14103	16	52	21	11	848
Gifted/talented program																						
Yes	1										1						592	63	35	1	0	865
No	5	1	20	4	80	0	0	0	0	853	5	20	80	0	0	853	14315	14	52	22	12	847

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. **N** = Number

SCIENCE AND TECHNOLOGY RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Charlotte School Department
School: Charlotte Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	50	1	33	2	67	0	0	0	0	859	50	33	67	0	0	859	9	10	40	26	23	842
B. less than one hour	50	1	33	2	67	0	0	0	0	851	50	33	67	0	0	851	46	14	52	22	12	847
C. one to two hours	0										0						41	19	53	19	9	849
D. more than two hours	0										0						5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	0										0						29	19	54	19	9	849
B. They match some of what I have learned.	20	0	0	1	100	0	0	0	0	850	20	0	100	0	0	850	49	16	51	22	11	848
C. They match just a little of what I have learned.	80	2	50	2	50	0	0	0	0	857	80	50	50	0	0	857	18	13	51	23	13	846
D. There is no match.	0										0						5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	0										0						23	28	51	13	8	853
B. good	83	2	40	3	60	0	0	0	0	854	83	40	60	0	0	854	54	15	55	21	9	848
C. fair	17	0	0	1	100	0	0	0	0	858	17	0	100	0	0	858	20	5	45	32	18	842
D. poor	0										0						3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	33	1	50	1	50	0	0	0	0	853	33	50	50	0	0	853	27	15	49	22	14	846
B. about the same as my regular schoolwork	67	1	25	3	75	0	0	0	0	856	67	25	75	0	0	856	59	15	53	22	10	848
C. easier than my regular schoolwork	0										0						13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	67	1	25	3	75	0	0	0	0	855	67	25	75	0	0	855	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	33	1	50	1	50	0	0	0	0	856	33	50	50	0	0	856	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	33	2	100	0	0	0	0	0	0	863	33	100	0	0	0	863	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	50	0	0	3	100	0	0	0	0	850	50	0	100	0	0	850	24	18	53	20	10	849
C. the course(s) described in B, plus physics	17	0	0	1	100	0	0	0	0	854	17	0	100	0	0	854	22	30	47	14	8	853
D. a life science and physical science class	0										0						29	8	52	27	14	844
How do you feel about the following statement? ***"My knowledge of science and technology will be useful to me as an adult."***																						
A. strongly agree	50	0	0	3	100	0	0	0	0	849	50	0	100	0	0	849	27	23	51	17	9	851
B. agree	50	2	67	1	33	0	0	0	0	861	50	67	33	0	0	861	54	15	53	21	11	847
C. disagree	0										0						15	10	50	26	14	845
D. strongly disagree	0										0						4	7	39	30	24	841
How well does the following statement reflect your future goals? ***"I am interested in a career related to science, technology, engineering, or mathematics."***																						
A. strongly agree	50	0	0	3	100	0	0	0	0	854	50	0	100	0	0	854	25	24	52	15	8	851
B. agree	17	0	0	1	100	0	0	0	0	842	17	0	100	0	0	842	37	15	50	22	12	847
C. disagree	17	1	100	0	0	0	0	0	0	862	17	100	0	0	0	862	26	12	53	23	12	846
D. strongly disagree	17	1	100	0	0	0	0	0	0	864	17	100	0	0	0	864	12	8	48	28	15	844
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards **M = Meets the Standards** **P = Partially Meets the Standards** **D = Does Not Meet the Standards**
N = Number