July 2009

DEPARTMENT OF EDUCATION
2008–2009 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 accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed 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 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 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. More information about 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 assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education

MEA
Maine Educational Assessment

School Report
Grade 8

Test Date:	March 2009
Code:	10291206
SAU:	Cape Elizabeth School Dept
School:	Cape Elizabeth Middle 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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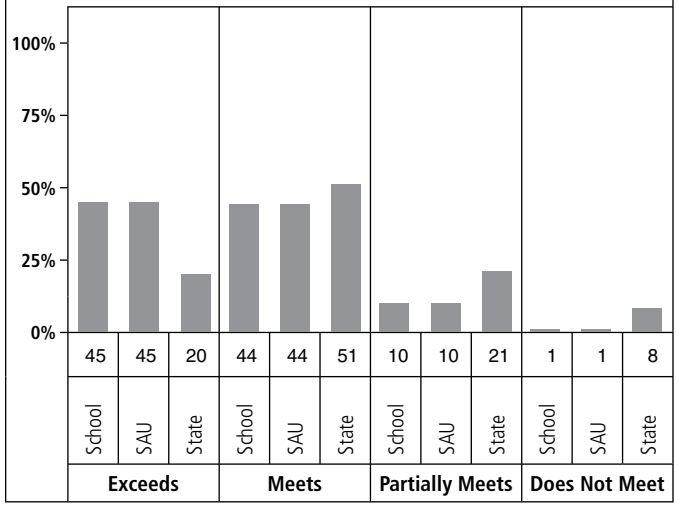
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Cape Elizabeth School Dept
School: Cape Elizabeth Middle School

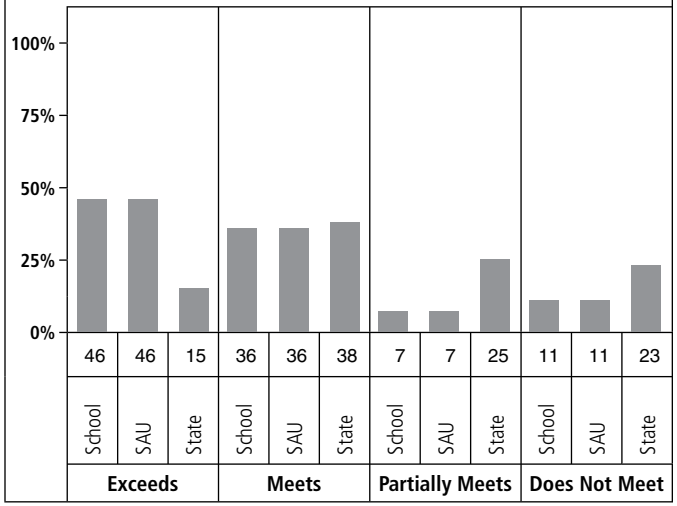
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	857	857	847
2007–2008	858	858	849
2008–2009	**859**	**859**	**850**
Cum. Avg.*	858	858	849
Mathematics			
2006–2007	854	854	842
2007–2008	853	853	841
2008–2009	**858**	**858**	**843**
Cum. Avg.*	855	855	842
Science			
2008-2009 **	**857**	**857**	**846**

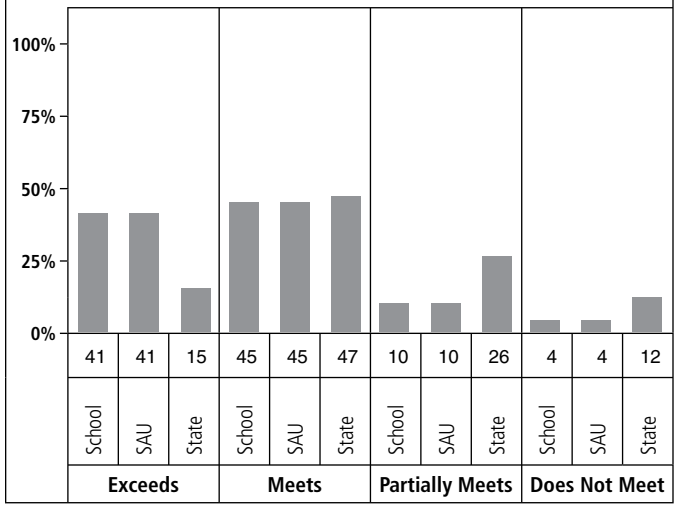
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.
** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: Cape Elizabeth School Dept
School: Cape Elizabeth Middle School

CATEGORY OF PARTICIPATION	Enrollment[1] during testing window						CONTENT AREA PARTICIPATION[2]																	
							ELA–Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	137	100	137	100	14804	100	137	100	137	100	14659	99	137	100	137	100	14653	99	137	100	137	100	14626	99
Ethnicity African American/Black	0	0	0	0	377	3	0	0	0	0	366	97	0	0	0	0	371	98	0	0	0	0	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	6	4	6	4	238	2	6	100	6	100	232	97	6	100	6	100	234	98	6	100	6	100	234	98
Hispanic	3	2	3	2	192	1	3	100	3	100	188	98	3	100	3	100	191	100	3	100	3	100	190	99
Caucasian/White	128	93	128	93	13878	94	128	100	128	100	13756	99	128	100	128	100	13742	99	128	100	128	100	13719	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	16	12	16	12	2489	17	16	100	16	100	2434	99	16	100	16	100	2424	98	16	100	16	100	2418	98
Current LEP	1	1	1	1	349	2	1	100	1	100	331	95	1	100	1	100	342	98	1	100	1	100	338	97
Economically disadvantaged	8	6	8	6	5460	37	8	100	8	100	5380	99	8	100	8	100	5377	99	8	100	8	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION[3]	ELA–Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	120	88	120	88	12132	82	120	88	120	88	12124	82	119	87	119	87	12169	82
Identified disability (PET/IEP)	4	3	4	3	379	3	4	3	4	3	380	3	3	3	3	3	425	3
LEP	1	1	1	1	166	1	1	1	1	1	169	1	1	1	1	1	168	1
504 plan	3	3	3	3	200	2	3	3	3	3	200	2	3	3	3	3	202	2
Participation with accommodations	15	11	15	11	2349	16	15	11	15	11	2347	16	16	12	16	12	2288	15
Identified disability (PET/IEP)	10	67	10	67	1877	80	10	67	10	67	1862	79	11	69	11	69	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	1	7	1	7	70	3	1	7	1	7	70	3	1	6	1	6	66	3
Other	4	27	4	27	292	12	4	27	4	27	297	13	4	25	4	25	280	12
Participation through alternate assessment (PAAP)	2	1	2	1	178	1	2	1	2	1	182	1	2	1	2	1	169	1
Identified disability (PET/IEP)	2	100	2	100	178	100	2	100	2	100	182	100	2	100	2	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
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	0	0												
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	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 2009
Grade: 8
SAU: Cape Elizabeth School Dept
School: Cape Elizabeth Middle School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's *Learning Results: Parameters for Essential Instruction* 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 862–880)	2006-2007	55	35	55	35	2407	16
	2007-2008	57	43	57	43	3428	23
	2008-2009	**61**	**45**	**61**	**45**	**2857**	**20**
	Cum. Total*	173	41	173	41	8692	19
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 842–860)	2006-2007	86	55	86	55	7494	49
	2007-2008	64	48	64	48	7179	48
	2008-2009	**59**	**44**	**59**	**44**	**7431**	**51**
	Cum. Total*	209	49	209	49	22104	49
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 830–840)	2006-2007	10	6	10	6	3628	24
	2007-2008	6	5	6	5	2706	18
	2008-2009	**13**	**10**	**13**	**10**	**2979**	**21**
	Cum. Total*	29	7	29	7	9313	21
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)	2006-2007	5	3	5	3	1810	12
	2007-2008	6	5	6	5	1611	11
	2008-2009	**2**	**1**	**2**	**1**	**1214**	**8**
	Cum. Total*	13	3	13	3	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	**56**	**100**	41.4	73.9	41.4	73.9	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	**20**	**36**	14.3	71.5	14.3	71.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	**36**	**64**	27.2	75.6	27.2	75.6	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine's 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: http://www.maine.gov/education/lres/pei/index.html.

*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 2009
Grade: 8
SAU: Cape Elizabeth School Dept
School: Cape Elizabeth Middle 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	135	61	45	59	44	13	10	2	1	859	135	45	44	10	1	859	14481	20	51	21	8	850
Ethnicity																						
African American/Black	0										0						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	6	3	50	2	33	1	17	0	0	859	6	50	33	17	0	859	231	28	43	19	10	851
Hispanic	3										3						186	17	48	23	12	847
Caucasian/White	126	58	46	56	44	10	8	2	2	859	126	46	44	8	2	859	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	14	1	7	5	36	6	43	2	14	843	14	7	36	43	14	843	2256	2	25	40	34	834
No	121	60	50	54	45	7	6	0	0	861	121	50	45	6	0	861	12225	23	56	17	4	853
Current LEP																						
Yes	1										1						324	5	34	36	26	838
No	134	61	46	58	43	13	10	2	1	859	134	46	43	10	1	859	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	8	0	0	3	38	4	50	1	13	841	8	0	38	50	13	841	5277	10	46	29	15	844
No	127	61	48	56	44	9	7	1	1	860	127	48	44	7	1	860	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	135	61	45	59	44	13	10	2	1	859	135	45	44	10	1	859	14476	20	51	21	8	850
Gender																						
Female	62	34	55	23	37	5	8	0	0	862	62	55	37	8	0	862	7074	25	51	18	6	852
Male	73	27	37	36	49	8	11	2	3	857	73	37	49	11	3	857	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	135	61	45	59	44	13	10	2	1	859	135	45	44	10	1	859	13624	20	52	20	8	850
Gifted/talented program																						
Yes	0										0						700	69	30	1	0	867
No	135	61	45	59	44	13	10	2	1	859	135	45	44	10	1	859	13781	17	52	22	9	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 2009
Grade: 8
SAU: Cape Elizabeth School Dept
School: Cape Elizabeth Middle 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	2	1	33	0	0	1	33	1	33	837	2	33	0	33	33	837	8	8	39	29	24	841
B. less than one hour	25	13	38	17	50	3	9	1	3	858	25	38	50	9	3	858	51	17	53	22	8	849
C. one to two hours	57	34	44	34	44	9	12	0	0	859	57	44	44	12	0	859	36	24	52	18	5	852
D. more than two hours	16	13	62	8	38	0	0	0	0	863	16	62	38	0	0	863	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	44	36	61	22	37	0	0	1	2	863	44	61	37	0	2	863	31	35	50	11	4	856
B. good	41	23	41	25	45	8	14	0	0	858	41	41	45	14	0	858	47	16	55	21	7	849
C. fair	13	2	12	11	65	3	18	1	6	849	13	12	65	18	6	849	18	5	47	33	15	842
D. poor	2	0	0	1	33	2	67	0	0	839	2	0	33	67	0	839	3	2	39	37	22	839
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.	25	17	50	15	44	2	6	0	0	861	25	50	44	6	0	861	32	27	54	14	5	853
B. They match some of what I have learned.	60	39	48	35	43	6	7	1	1	860	60	48	43	7	1	860	52	18	53	22	8	850
C. They match just a little of what I have learned.	11	3	20	9	60	3	20	0	0	853	11	20	60	20	0	853	12	11	45	29	15	844
D. There is no match.	4	2	40	0	0	2	40	1	20	844	4	40	0	40	20	844	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	12	5	31	7	44	4	25	0	0	853	12	31	44	25	0	853	15	13	42	28	17	844
B. about the same as my regular schoolwork	53	28	39	34	48	7	10	2	3	857	53	39	48	10	3	857	64	19	53	20	7	850
C. easier than my regular schoolwork	36	28	58	18	38	2	4	0	0	863	36	58	38	4	0	863	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	2	0	0	3	100	0	0	0	0	849	2	0	100	0	0	849	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	42	15	26	31	54	9	16	2	4	854	42	26	54	16	4	854	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	56	46	61	25	33	4	5	0	0	863	56	61	33	5	0	863	40	30	53	13	4	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.	27	17	46	16	43	3	8	1	3	861	27	46	43	8	3	861	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	64	40	47	37	43	8	9	1	1	858	64	47	43	9	1	858	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	9	4	33	6	50	2	17	0	0	857	9	33	50	17	0	857	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	13	10	56	5	28	3	17	0	0	860	13	56	28	17	0	860	19	26	53	15	6	853
B. 20 minutes to an hour	59	42	53	32	41	4	5	1	1	862	59	53	41	5	1	862	40	25	52	17	6	852
C. less than 20 minutes	16	7	33	13	62	1	5	0	0	857	16	33	62	5	0	857	15	18	51	21	10	849
D. I rarely read at home.	12	1	6	9	56	5	31	1	6	846	12	6	56	31	6	846	26	7	50	30	13	844
How do you feel about the following statement? "My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	58	38	49	34	44	5	6	1	1	861	58	49	44	6	1	861	42	27	51	15	6	853
B. agree	39	22	42	24	45	6	11	1	2	857	39	42	45	11	2	857	50	15	53	23	9	848
C. disagree	1	1	50	0	0	1	50	0	0	853	1	50	0	50	0	853	7	8	46	32	14	843
D. strongly disagree	1	0	0	1	50	1	50	0	0	840	1	0	50	50	0	840	2	6	39	35	21	840
Optional school/SAU question																						
A.	0										0											
B.	38	1	33	2	67	0	0	0	0	859	38	33	67	0	0	859						
C.	25	1	50	1	50	0	0	0	0	861	25	50	50	0	0	861						
D.	38	2	67	1	33	0	0	0	0	864	38	67	33	0	0	864						

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 2009
Grade:	8
SAU:	Cape Elizabeth School Dept
School:	Cape Elizabeth Middle School

ACHIEVEMENT LEVEL DEFINITIONS

The quality of a student's work at each achievement level reflects progress in attaining Maine's *Learning Results: Parameters for Essential Instruction* 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 862–880)	2006-2007	52	33	52	33	1952	13
	2007-2008	37	28	37	28	1657	11
	2008-2009	**62**	**46**	**62**	**46**	**2116**	**15**
	Cum. Total*	151	36	151	36	5725	13
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 842–860)	2006-2007	72	46	72	46	5870	38
	2007-2008	71	53	71	53	5956	40
	2008-2009	**48**	**36**	**48**	**36**	**5443**	**38**
	Cum. Total*	191	45	191	45	17269	39
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 830–840)	2006-2007	16	10	16	10	3982	26
	2007-2008	11	8	11	8	3729	25
	2008-2009	**10**	**7**	**10**	**7**	**3556**	**25**
	Cum. Total*	37	9	37	9	11267	25
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)	2006-2007	16	10	16	10	3534	23
	2007-2008	14	11	14	11	3579	24
	2008-2009	**15**	**11**	**15**	**11**	**3356**	**23**
	Cum. Total*	45	11	45	11	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	**56**	**100**	38.4	68.6	38.4	68.6	28.6	51.1
A. Number	**8**	**14**	5.2	65.0	5.2	65.0	3.7	46.3
B. Data	**16**	**29**	11.2	70.0	11.2	70.0	8.9	55.6
C. Geometry	**12**	**21**	7.3	60.8	7.3	60.8	5.0	41.7
D. Algebra	**20**	**36**	14.7	73.5	14.7	73.5	10.9	54.5

The MEA assesses students' mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine's 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: http://www.maine.gov/education/lres/pei/index.html.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

*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 2009
Grade: 8
SAU: Cape Elizabeth School Dept
School: Cape Elizabeth Middle 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	135	62	46	48	36	10	7	15	11	858	135	46	36	7	11	858	14471	15	38	25	23	843
Ethnicity																						
African American/Black	0										0						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	6	3	50	2	33	0	0	1	17	861	6	50	33	0	17	861	233	27	33	20	21	847
Hispanic	3										3						190	8	31	26	34	836
Caucasian/White	126	59	47	44	35	10	8	13	10	858	126	47	35	8	10	858	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	14	2	14	4	29	0	0	8	57	836	14	14	29	0	57	836	2242	2	12	22	63	824
No	121	60	50	44	36	10	8	7	6	861	121	50	36	8	6	861	12229	17	42	25	16	846
Current LEP																						
Yes	1										1						336	6	18	26	51	829
No	134	62	46	47	35	10	7	15	11	858	134	46	35	7	11	858	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	8	0	0	3	38	1	13	4	50	830	8	0	38	13	50	830	5270	6	30	28	36	835
No	127	62	49	45	35	9	7	11	9	860	127	49	35	7	9	860	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	135	62	46	48	36	10	7	15	11	858	135	46	36	7	11	858	14466	15	38	25	23	843
Gender																						
Female	62	27	44	22	35	7	11	6	10	858	62	44	35	11	10	858	7070	15	39	25	22	843
Male	73	35	48	26	36	3	4	9	12	858	73	48	36	4	12	858	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	135	62	46	48	36	10	7	15	11	858	135	46	36	7	11	858	13614	15	38	24	22	843
Gifted/talented program																						
Yes	0										0						700	68	27	3	1	866
No	135	62	46	48	36	10	7	15	11	858	135	46	36	7	11	858	13771	12	38	26	24	841

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 2009
Grade: 8
SAU: Cape Elizabeth School Dept
School: Cape Elizabeth Middle 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	2	1	33	0	0	0	0	2	67	835	2	33	0	0	67	835	8	8	24	24	44	833
B. less than one hour	25	15	44	10	29	3	9	6	18	856	25	44	29	9	18	856	51	12	38	26	23	842
C. one to two hours	57	33	43	31	40	6	8	7	9	857	57	43	40	8	9	857	36	19	40	23	19	845
D. more than two hours	16	13	62	7	33	1	5	0	0	867	16	62	33	5	0	867	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	35	35	74	11	23	0	0	1	2	870	35	74	23	0	2	870	28	33	41	15	11	852
B. good	51	26	38	29	42	7	10	7	10	856	51	38	42	10	10	856	45	11	43	25	21	842
C. fair	12	1	6	8	50	1	6	6	38	840	12	6	50	6	38	840	21	3	27	35	35	834
D. poor	1	0	0	0	0	1	50	1	50	831	1	0	0	50	50	831	5	2	14	30	54	828
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.	25	23	68	9	26	1	3	1	3	867	25	68	26	3	3	867	28	23	41	21	15	848
B. They match some of what I have learned.	59	33	42	32	41	6	8	8	10	857	59	42	41	8	10	857	52	13	40	25	21	843
C. They match just a little of what I have learned.	13	4	24	6	35	3	18	4	24	844	13	24	35	18	24	844	16	8	28	30	34	836
D. There is no match.	4	2	40	1	20	0	0	2	40	854	4	40	20	0	40	854	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	25	3	9	15	44	6	18	10	29	841	25	9	44	18	29	841	32	6	34	29	32	837
B. about the same as my regular schoolwork	37	18	36	24	48	4	8	4	8	857	37	36	48	8	8	857	52	13	41	25	20	843
C. easier than my regular schoolwork	37	41	82	9	18	0	0	0	0	872	37	82	18	0	0	872	16	39	35	13	13	853
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.	31	16	38	18	43	3	7	5	12	856	31	38	43	7	12	856	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	56	38	51	26	35	5	7	6	8	860	56	51	35	7	8	860	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	13	8	47	4	24	2	12	3	18	857	13	47	24	12	18	857	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	77	49	47	39	38	10	10	6	6	860	77	47	38	10	6	860	34	18	40	22	20	845
B. two or three days a week	16	8	38	8	38	0	0	5	24	855	16	38	38	0	24	855	35	14	38	26	21	843
C. two or three times each month	3	2	50	1	25	0	0	1	25	853	3	50	25	0	25	853	18	12	37	27	24	841
D. never or almost never	4	3	50	0	0	0	0	3	50	842	4	50	0	0	50	842	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	1	0	0	1	100	0	0	0	0	848	1	0	100	0	0	848	9	13	38	23	26	841
B. two or three days a week	9	2	17	7	58	1	8	2	17	853	9	17	58	8	17	853	17	11	37	26	26	841
C. two or three times each month	12	9	56	4	25	1	6	2	13	856	12	56	25	6	13	856	28	15	40	25	20	844
D. never or almost never	79	51	48	36	34	8	8	11	10	859	79	48	34	8	10	859	46	16	36	24	23	843
How do you feel about the following statement? "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	55	36	49	22	30	6	8	10	14	858	55	49	30	8	14	858	52	19	41	22	18	846
B. agree	39	23	43	23	43	3	6	4	8	859	39	43	43	6	8	859	39	11	35	27	27	840
C. disagree	5	3	43	2	29	1	14	1	14	854	5	43	29	14	14	854	6	7	28	26	39	835
D. strongly disagree	1	0	0	1	100	0	0	0	0	860	1	0	100	0	0	860	3	4	25	28	43	832
Optional school/SAU question																						
A.	0										0											
B.	38	2	67	1	33	0	0	0	0	867	38	67	33	0	0	867						
C.	25	2	100	0	0	0	0	0	0	875	25	100	0	0	0	875						
D.	38	2	67	0	0	0	0	1	33	859	38	67	0	0	33	859						

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

SCIENCE RESULTS

Test Date:	March 2009
Grade:	8
SAU:	Cape Elizabeth School Dept
School:	Cape Elizabeth Middle School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's *Learning Results: Parameters for Essential Instruction* in science.		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, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	55	41	55	41	2155	15
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 and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	61	45	61	45	6687	47
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 but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	14	10	14	10	3672	26
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. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	5	4	5	4	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	**56**	**100**	38.8	69.3	38.8	69.3	32.0	57.1
D. The Physical Setting	**31**	**55**	20.5	66.1	20.5	66.1	17.1	55.2
D1/D2 Earth/Space	**17**	**30**	11.2	65.9	11.2	65.9	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	**14**	**25**	9.4	67.1	9.4	67.1	7.7	55.0
E. The Living Environment	**25**	**45**	18.3	73.2	18.3	73.2	14.9	59.6

The MEA assesses students' science knowledge based on questions that measure the science accountability content standards highlighted in Maine's 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: http://www.maine.gov/education/lres/pei/index.html.

Content Standard D. The Physical Setting
- D1 - Universe and Solar System
- D2 - Earth
- D3 - Matter and Energy
- D4 - Force and Motion

Content Standard E. The Living Environment
- E1 - Biodiversity
- E2 - Ecosystems
- E3 - Cells
- E4 - Heredity and Reproduction
- E5 - Evolution

*Because Science standards were reset in May 2009, no historical data are available.

SCIENCE RESULTS
(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: Cape Elizabeth School Dept
School: Cape Elizabeth Middle 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	135	55	41	61	45	14	10	5	4	857	135	41	45	10	4	857	14263	15	47	26	12	846
Ethnicity																						
African American/Black	0										0						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	6	3	50	3	50	0	0	0	0	858	6	50	50	0	0	858	230	20	44	23	13	848
Hispanic	3										3						184	9	45	29	16	842
Caucasian/White	126	52	41	56	44	13	10	5	4	857	126	41	44	10	4	857	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	14	3	21	2	14	6	43	3	21	840	14	21	14	43	21	840	2221	3	22	36	38	832
No	121	52	43	59	49	8	7	2	2	859	121	43	49	7	2	859	12042	17	51	24	7	848
Current LEP																						
Yes	1										1						331	4	20	39	37	832
No	134	55	41	60	45	14	10	5	4	857	134	41	45	10	4	857	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	8	0	0	3	38	2	25	3	38	835	8	0	38	25	38	835	5184	6	40	33	21	840
No	127	55	43	58	46	12	9	2	2	858	127	43	46	9	2	858	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	135	55	41	61	45	14	10	5	4	857	135	41	45	10	4	857	14258	15	47	26	12	846
Gender																						
Female	62	22	35	30	48	9	15	1	2	855	62	35	48	15	2	855	6953	14	47	28	11	846
Male	73	33	45	31	42	5	7	4	5	858	73	45	42	7	5	858	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	135	55	41	61	45	14	10	5	4	857	135	41	45	10	4	857	13435	16	48	25	12	846
Gifted/talented program																						
Yes	0										0						699	65	34	2	0	865
No	135	55	41	61	45	14	10	5	4	857	135	41	45	10	4	857	13564	13	48	27	13	845

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

SCIENCE RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Cape Elizabeth School Dept
School: Cape Elizabeth Middle 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	2	1	33	0	0	1	33	1	33	836	2	33	0	33	33	836	8	8	34	28	30	837
B. less than one hour	25	15	44	13	38	5	15	1	3	858	25	44	38	15	3	858	51	14	48	27	11	846
C. one to two hours	57	28	36	38	49	8	10	3	4	856	57	36	49	10	4	856	36	19	48	24	9	848
D. more than two hours	16	11	52	10	48	0	0	0	0	861	16	52	48	0	0	861	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	24	16	48	14	42	2	6	1	3	860	24	48	42	6	3	860	23	27	47	17	8	851
B. good	64	38	44	42	48	6	7	1	1	858	64	44	48	7	1	858	53	15	50	26	10	847
C. fair	8	1	9	4	36	5	45	1	9	844	8	9	36	45	9	844	20	4	43	35	18	840
D. poor	3	0	0	1	25	1	25	2	50	833	3	0	25	25	50	833	4	4	27	34	35	834
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.	13	6	33	6	33	4	22	2	11	850	13	33	33	22	11	850	26	20	49	23	9	849
B. They match some of what I have learned.	45	25	41	29	48	5	8	2	3	857	45	41	48	8	3	857	51	14	48	26	11	846
C. They match just a little of what I have learned.	38	21	41	25	49	4	8	1	2	858	38	41	49	8	2	858	18	13	44	28	15	844
D. There is no match.	4	3	60	1	20	1	20	0	0	864	4	60	20	20	0	864	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	41	21	38	24	44	7	13	3	5	855	41	38	44	13	5	855	32	13	45	28	14	844
B. about the same as my regular schoolwork	47	27	42	29	45	6	9	2	3	858	47	42	45	9	3	858	56	15	49	25	11	847
C. easier than my regular schoolwork	12	7	44	8	50	1	6	0	0	860	12	44	50	6	0	860	11	21	43	22	13	847
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.	28	19	51	11	30	6	16	1	3	857	28	51	30	16	3	857	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	64	31	37	46	55	5	6	2	2	858	64	37	55	6	2	858	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	8	4	36	3	27	2	18	2	18	851	8	36	27	18	18	851	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	19	8	32	13	52	2	8	2	8	853	19	32	52	8	8	853	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	18	5	21	17	71	2	8	0	0	856	18	21	71	8	0	856	23	17	49	22	12	847
C. the course(s) described in B, plus physics	49	39	60	22	34	4	6	0	0	862	49	60	34	6	0	862	21	31	44	17	7	852
D. a life science and physical science class	14	3	17	7	39	5	28	3	17	844	14	17	39	28	17	844	30	7	46	32	14	842
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	23	15	48	14	45	1	3	1	3	861	23	48	45	3	3	861	27	23	47	20	10	849
B. agree	39	22	42	24	46	5	10	1	2	857	39	42	46	10	2	857	37	14	47	27	12	846
C. disagree	28	12	32	18	47	6	16	2	5	854	28	32	47	16	5	854	25	11	48	29	12	845
D. strongly disagree	10	6	46	4	31	2	15	1	8	855	10	46	31	15	8	855	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	30	18	45	17	43	4	10	1	3	859	30	45	43	10	3	859	31	22	46	22	10	849
B. agree	51	27	39	35	51	4	6	3	4	857	51	39	51	6	4	857	50	14	49	26	11	846
C. disagree	16	9	41	7	32	5	23	1	5	854	16	41	32	23	5	854	14	9	45	31	15	843
D. strongly disagree	3	1	25	2	50	1	25	0	0	856	3	25	50	25	0	856	5	3	38	34	25	837
Optional school/SAU question																						
A.	0										0											
B.	38	2	67	1	33	0	0	0	0	865	38	67	33	0	0	865						
C.	25	2	100	0	0	0	0	0	0	864	25	100	0	0	0	864						
D.	38	2	67	1	33	0	0	0	0	869	38	67	33	0	0	869						

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