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:	11461376
SAU:	Saco School Department
School:	Saco 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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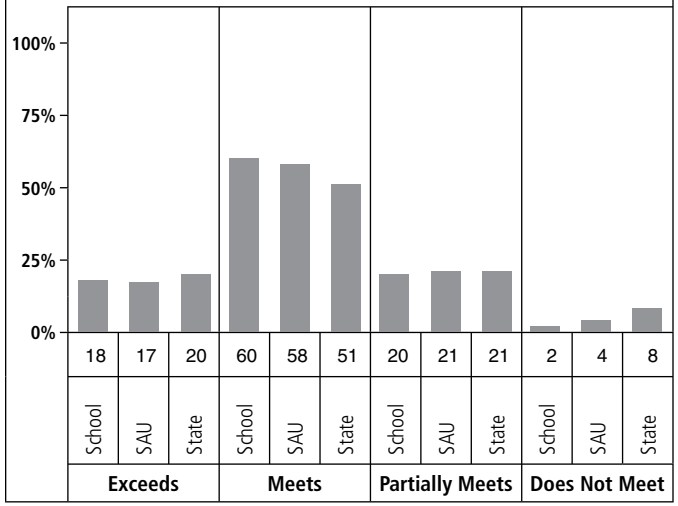
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Saco School Department
School: Saco Middle School

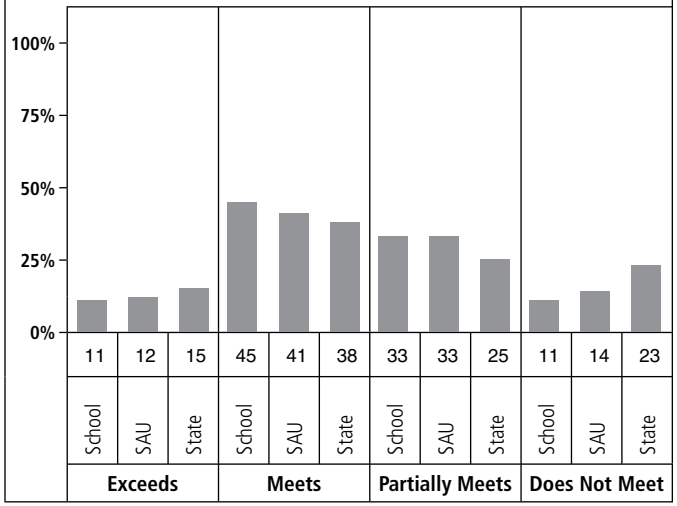
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	844	844	847
2007–2008	850	849	849
2008–2009	**851**	**850**	**850**
Cum. Avg.*	848	848	849
Mathematics			
2006–2007	841	840	842
2007–2008	843	843	841
2008–2009	**845**	**844**	**843**
Cum. Avg.*	843	842	842
Science 2008-2009 **	**848**	**847**	**846**

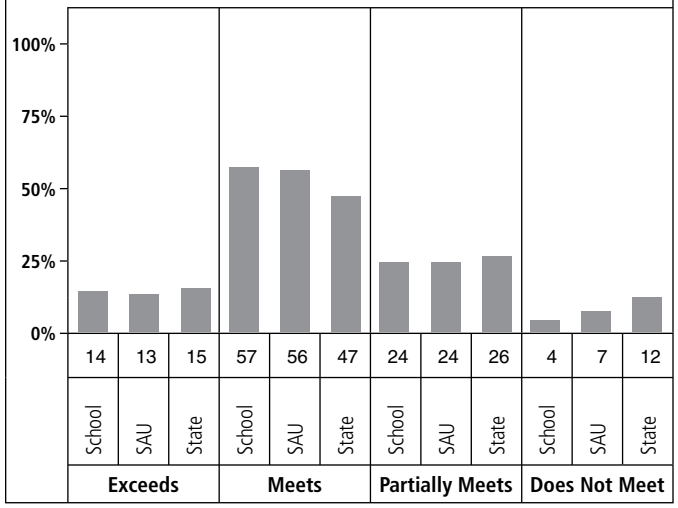
ELA – READING



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: Saco School Department
School: Saco 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	259	100	234	100	14804	100	257	99	232	99	14659	99	256	99	230	98	14653	99	256	99	231	99	14626	99
Ethnicity African American/Black	2	1	2	1	377	3	2	100	2	100	366	97	2	100	2	100	371	98	2	100	2	100	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	5	2	5	2	238	2	5	100	5	100	232	97	5	100	5	100	234	98	5	100	5	100	234	98
Hispanic	2	1	2	1	192	1	2	100	2	100	188	98	2	100	2	100	191	100	2	100	2	100	190	99
Caucasian/White	250	97	225	96	13878	94	248	99	223	99	13756	99	247	99	221	98	13742	99	247	99	222	99	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	33	13	37	16	2489	17	32	97	36	97	2434	99	31	94	34	92	2424	98	31	94	35	95	2418	98
Current LEP	2	1	2	1	349	2	2	100	2	100	331	95	2	100	2	100	342	98	2	100	2	100	338	97
Economically disadvantaged	59	23	56	24	5460	37	59	100	56	100	5380	99	58	98	55	98	5377	99	58	98	55	98	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	226	87	199	85	12132	82	227	88	200	85	12124	82	227	88	200	85	12169	82
Identified disability (PET/IEP)	11	5	11	6	379	3	11	5	11	6	380	3	11	5	11	6	425	3
LEP	2	1	2	1	166	1	2	1	2	1	169	1	2	1	2	1	168	1
504 plan	7	3	6	3	200	2	7	3	6	3	200	2	7	3	6	3	202	2
Participation with accommodations	30	12	32	14	2349	16	28	11	29	12	2347	16	28	11	30	13	2288	15
Identified disability (PET/IEP)	20	67	24	75	1877	80	19	68	22	76	1862	79	19	68	23	77	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	1	3	1	3	70	3	1	4	1	3	70	3	1	4	1	3	66	3
Other	9	30	7	22	292	12	8	29	6	21	297	13	8	29	6	20	280	12
Participation through alternate assessment (PAAP)	1	0	1	0	178	1	1	0	1	0	182	1	1	0	1	0	169	1
Identified disability (PET/IEP)	1	100	1	100	178	100	1	100	1	100	182	100	1	100	1	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	2	1	2	1	113	1	3	1	4	2	117	1	3	1	3	1	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: Saco School Department
School: Saco 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	14	6	11	5	2407	16
	2007-2008	54	23	47	24	3428	23
	2008-2009	**46**	**18**	**40**	**17**	**2857**	**20**
	Cum. Total*	114	16	98	15	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	123	51	109	50	7494	49
	2007-2008	118	50	95	48	7179	48
	2008-2009	**153**	**60**	**134**	**58**	**7431**	**51**
	Cum. Total*	394	54	338	52	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	71	29	66	30	3628	24
	2007-2008	43	18	35	18	2706	18
	2008-2009	**51**	**20**	**48**	**21**	**2979**	**21**
	Cum. Total*	165	22	149	23	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	33	14	31	14	1810	12
	2007-2008	23	10	22	11	1611	11
	2008-2009	**6**	**2**	**9**	**4**	**1214**	**8**
	Cum. Total*	62	8	62	10	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**	36.9	65.9	36.3	64.8	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	**20**	**36**	12.5	62.5	12.3	61.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	**36**	**64**	24.4	67.8	24.0	66.7	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: Saco School Department
School: Saco 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	256	46	18	153	60	51	20	6	2	851	231	17	58	21	4	850	14481	20	51	21	8	850
Ethnicity																						
African American/Black	2										2						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	5	2	40	3	60	0	0	0	0	857	5	40	60	0	0	857	231	28	43	19	10	851
Hispanic	2										2						186	17	48	23	12	847
Caucasian/White	247	43	17	147	60	51	21	6	2	851	222	17	58	22	4	850	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	31	0	0	8	26	17	55	6	19	837	35	0	23	51	26	835	2256	2	25	40	34	834
No	225	46	20	145	64	34	15	0	0	853	196	20	64	15	0	853	12225	23	56	17	4	853
Current LEP																						
Yes	2										2						324	5	34	36	26	838
No	254	46	18	151	59	51	20	6	2	851	229	17	58	21	4	850	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	59	6	10	34	58	14	24	5	8	848	56	9	54	25	13	846	5277	10	46	29	15	844
No	197	40	20	119	60	37	19	1	1	852	175	20	59	19	1	852	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	256	46	18	153	60	51	20	6	2	851	231	17	58	21	4	850	14476	20	51	21	8	850
Gender																						
Female	120	32	27	65	54	22	18	1	1	854	107	27	52	20	1	854	7074	25	51	18	6	852
Male	136	14	10	88	65	29	21	5	4	849	124	9	63	22	6	848	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	23	0	0	12	52	11	48	0	0	844	15	0	47	53	0	842	857	9	43	35	14	843
No	233	46	20	141	61	40	17	6	3	852	216	19	59	19	4	851	13624	20	52	20	8	850
Gifted/talented program																						
Yes	0										0						700	69	30	1	0	867
No	256	46	18	153	60	51	20	6	2	851	231	17	58	21	4	850	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: Saco School Department
School: Saco 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	6	0	0	8	57	4	29	2	14	842	7	0	47	24	29	838	8	8	39	29	24	841
B. less than one hour	51	14	11	86	67	27	21	2	2	850	50	10	66	22	3	849	51	17	53	22	8	849
C. one to two hours	41	25	24	57	55	20	19	1	1	854	40	25	54	21	0	854	36	24	52	18	5	852
D. more than two hours	3	7	88	1	13	0	0	0	0	866	3	86	14	0	0	864	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	41	38	36	56	53	11	10	0	0	857	42	36	50	11	2	856	31	35	50	11	4	856
B. good	44	7	6	76	68	25	22	4	4	848	43	4	67	23	5	847	47	16	55	21	7	849
C. fair	15	1	3	21	57	14	38	1	3	846	15	3	57	37	3	846	18	5	47	33	15	842
D. poor	0	0	0	0	0	1	100	0	0	838	0	0	0	100	0	838	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.	43	22	20	73	68	12	11	1	1	854	42	22	67	10	1	854	32	27	54	14	5	853
B. They match some of what I have learned.	44	22	20	61	55	25	23	3	3	851	43	17	54	25	4	850	52	18	53	22	8	850
C. They match just a little of what I have learned.	12	2	7	16	53	11	37	1	3	846	12	7	50	36	7	844	12	11	45	29	15	844
D. There is no match.	2	0	0	3	60	2	40	0	0	847	3	0	50	33	17	844	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	11	2	7	18	67	6	22	1	4	848	12	8	65	27	0	849	15	13	42	28	17	844
B. about the same as my regular schoolwork	63	25	16	100	64	30	19	2	1	851	62	16	61	20	3	850	64	19	53	20	7	850
C. easier than my regular schoolwork	27	19	28	33	49	13	19	2	3	854	27	26	49	18	7	852	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.	6	1	7	6	43	7	50	0	0	845	6	8	46	46	0	846	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	48	11	9	80	68	24	20	3	3	849	48	9	66	21	3	848	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	46	33	29	62	54	18	16	1	1	855	46	28	52	16	4	854	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.	30	15	20	44	59	14	19	2	3	852	31	20	56	19	6	851	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	63	29	18	95	60	31	20	3	2	852	62	17	59	21	3	851	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	7	2	12	12	71	3	18	0	0	852	7	13	69	19	0	851	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	20	12	24	31	62	6	12	1	2	854	21	23	58	15	4	853	19	26	53	15	6	853
B. 20 minutes to an hour	50	29	23	77	60	19	15	3	2	853	49	23	58	16	3	853	40	25	52	17	6	852
C. less than 20 minutes	13	4	12	21	64	7	21	1	3	850	13	7	63	27	3	848	15	18	51	21	10	849
D. I rarely read at home.	17	1	2	24	55	19	43	0	0	845	17	3	55	38	5	844	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	40	25	25	64	63	11	11	2	2	855	41	23	59	14	4	853	42	27	51	15	6	853
B. agree	51	20	15	80	61	28	21	3	2	850	50	15	61	21	3	850	50	15	53	23	9	848
C. disagree	8	1	5	8	40	11	55	0	0	845	8	6	39	56	0	844	7	8	46	32	14	843
D. strongly disagree	1	0	0	1	50	1	50	0	0	844	1	0	33	33	33	834	2	6	39	35	21	840
Optional school/SAU question																						
A.	67	1	50	1	50	0	0	0	0	855	67	50	50	0	0	855						
B.	0										0											
C.	33	0	0	0	0	1	100	0	0	838	33	0	0	100	0	838						
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 2009
Grade: 8
SAU: Saco School Department
School: Saco 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	23	10	19	9	1952	13
	2007-2008	29	12	25	13	1657	11
	2008-2009	**28**	**11**	**27**	**12**	**2116**	**15**
	Cum. Total*	80	11	71	11	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	96	40	85	39	5870	38
	2007-2008	108	45	91	46	5956	40
	2008-2009	**114**	**45**	**95**	**41**	**5443**	**38**
	Cum. Total*	318	43	271	42	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	67	28	62	28	3982	26
	2007-2008	58	24	43	22	3729	25
	2008-2009	**84**	**33**	**76**	**33**	**3556**	**25**
	Cum. Total*	209	28	181	28	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	55	23	52	24	3534	23
	2007-2008	43	18	40	20	3579	24
	2008-2009	**29**	**11**	**31**	**14**	**3356**	**23**
	Cum. Total*	127	17	123	19	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**	29.9	53.4	29.4	52.5	28.6	51.1
A. Number	**8**	**14**	4.7	58.8	4.5	56.3	3.7	46.3
B. Data	**16**	**29**	9.7	60.6	9.5	59.4	8.9	55.6
C. Geometry	**12**	**21**	4.5	37.5	4.4	36.7	5.0	41.7
D. Algebra	**20**	**36**	11.1	55.5	11.0	55.0	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: Saco School Department
School: Saco 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	255	28	11	114	45	84	33	29	11	845	229	12	41	33	14	844	14471	15	38	25	23	843
Ethnicity																						
African American/Black	2										2						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	5	2	40	2	40	1	20	0	0	856	5	40	40	20	0	856	233	27	33	20	21	847
Hispanic	2										2						190	8	31	26	34	836
Caucasian/White	246	26	11	109	44	83	34	28	11	845	220	11	41	34	14	844	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	30	1	3	3	10	9	30	17	57	829	33	3	6	30	61	827	2242	2	12	22	63	824
No	225	27	12	111	49	75	33	12	5	847	196	13	47	34	6	847	12229	17	42	25	16	846
Current LEP																						
Yes	2										2						336	6	18	26	51	829
No	253	28	11	113	45	83	33	29	11	845	227	12	41	33	14	844	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	58	3	5	19	33	27	47	9	16	841	55	5	29	45	20	840	5270	6	30	28	36	835
No	197	25	13	95	48	57	29	20	10	846	174	14	45	29	11	846	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	255	28	11	114	45	84	33	29	11	845	229	12	41	33	14	844	14466	15	38	25	23	843
Gender																						
Female	119	12	10	61	51	36	30	10	8	846	106	10	51	29	9	846	7070	15	39	25	22	843
Male	136	16	12	53	39	48	35	19	14	844	123	13	33	37	17	843	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	23	0	0	4	17	13	57	6	26	836	15	0	7	60	33	834	857	5	25	33	37	835
No	232	28	12	110	47	71	31	23	10	846	214	13	44	31	12	845	13614	15	38	24	22	843
Gifted/talented program																						
Yes	0										0						700	68	27	3	1	866
No	255	28	11	114	45	84	33	29	11	845	229	12	41	33	14	844	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: Saco School Department
School: Saco 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	6	0	0	3	21	8	57	3	21	837	7	0	13	56	31	833	8	8	24	24	44	833
B. less than one hour	51	13	10	58	45	40	31	18	14	845	50	10	42	31	17	843	51	12	38	26	23	842
C. one to two hours	41	13	13	48	47	34	33	8	8	846	40	14	45	33	8	847	36	19	40	23	19	845
D. more than two hours	3	2	25	5	63	1	13	0	0	855	3	29	57	14	0	854	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	24	16	26	33	54	7	11	5	8	853	23	30	47	13	9	853	28	33	41	15	11	852
B. good	49	10	8	64	52	40	33	9	7	846	48	9	51	31	8	845	45	11	43	25	21	842
C. fair	23	2	3	15	26	29	50	12	21	838	24	2	24	49	25	835	21	3	27	35	35	834
D. poor	4	0	0	1	10	6	60	3	30	834	4	0	10	60	30	834	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.	27	7	10	34	49	22	32	6	9	846	25	11	46	35	9	846	28	23	41	21	15	848
B. They match some of what I have learned.	51	12	9	61	48	42	33	13	10	846	51	10	46	32	11	845	52	13	40	25	21	843
C. They match just a little of what I have learned.	20	8	16	18	35	17	33	8	16	844	22	16	31	33	20	842	16	8	28	30	34	836
D. There is no match.	2	0	0	1	20	3	60	1	20	836	3	0	17	50	33	830	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	36	8	9	38	42	36	40	9	10	843	39	9	39	39	14	842	32	6	34	29	32	837
B. about the same as my regular schoolwork	47	13	11	56	47	37	31	14	12	846	46	12	43	32	13	845	52	13	41	25	20	843
C. easier than my regular schoolwork	17	7	17	20	48	9	21	6	14	847	15	20	46	20	14	848	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.	33	7	8	37	44	32	38	8	10	845	36	9	40	37	15	843	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	61	18	12	72	46	46	29	20	13	845	58	13	44	30	14	845	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	6	3	21	4	29	6	43	1	7	848	6	21	29	43	7	848	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	4	1	10	4	40	3	30	2	20	843	4	10	40	30	20	843	34	18	40	22	20	845
B. two or three days a week	21	3	6	20	37	19	35	12	22	840	21	6	33	35	25	839	35	14	38	26	21	843
C. two or three times each month	49	13	10	58	46	45	36	10	8	846	48	11	43	38	8	845	18	12	37	27	24	841
D. never or almost never	25	11	17	32	49	17	26	5	8	849	27	18	45	24	13	847	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	1	1	50	0	0	1	50	0	0	850	1	33	0	67	0	846	9	13	38	23	26	841
B. two or three days a week	1	0	0	1	33	2	67	0	0	841	2	0	25	50	25	834	17	11	37	26	26	841
C. two or three times each month	15	0	0	16	42	14	37	8	21	839	14	0	41	38	22	839	28	15	40	25	20	844
D. never or almost never	83	27	13	97	46	67	32	21	10	846	83	14	43	32	12	845	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	45	18	16	50	43	36	31	11	10	847	47	17	38	32	13	845	52	19	41	22	18	846
B. agree	44	7	6	51	46	40	36	14	13	844	41	6	44	35	14	843	39	11	35	27	27	840
C. disagree	8	3	14	8	38	7	33	3	14	844	9	14	38	33	14	844	6	7	28	26	39	835
D. strongly disagree	3	0	0	5	71	1	14	1	14	845	3	0	71	14	14	845	3	4	25	28	43	832
Optional school/SAU question																						
A.	67	1	50	0	0	1	50	0	0	852	67	50	0	50	0	852						
B.	0										0											
C.	33	0	0	0	0	1	100	0	0	840	33	0	0	100	0	840						
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 RESULTS

Test Date:	March 2009
Grade:	8
SAU:	Saco School Department
School:	Saco 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*	36	14	30	13	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*	146	57	129	56	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*	62	24	55	24	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*	11	4	16	7	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**	33.5	59.8	32.8	58.6	32.0	57.1
D. The Physical Setting	**31**	**55**	18.1	58.4	17.8	57.4	17.1	55.2
D1/D2 Earth/Space	**17**	**30**	10.0	58.8	9.8	57.6	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	**14**	**25**	8.1	57.9	8.0	57.1	7.7	55.0
E. The Living Environment	**25**	**45**	15.5	62.0	15.1	60.4	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: Saco School Department
School: Saco 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	255	36	14	146	57	62	24	11	4	848	230	13	56	24	7	847	14263	15	47	26	12	846
Ethnicity																						
African American/Black	2										2						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	5	2	40	3	60	0	0	0	0	856	5	40	60	0	0	856	230	20	44	23	13	848
Hispanic	2										2						184	9	45	29	16	842
Caucasian/White	246	33	13	142	58	60	24	11	4	848	221	12	57	24	7	847	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	30	1	3	7	23	15	50	7	23	835	34	3	21	41	35	832	2221	3	22	36	38	832
No	225	35	16	139	62	47	21	4	2	850	196	15	62	21	2	850	12042	17	51	24	7	848
Current LEP																						
Yes	2										2						331	4	20	39	37	832
No	253	36	14	144	57	62	25	11	4	848	228	13	56	24	7	847	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	58	1	2	34	59	17	29	6	10	843	55	2	56	27	15	841	5184	6	40	33	21	840
No	197	35	18	112	57	45	23	5	3	850	175	17	56	23	5	849	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	255	36	14	146	57	62	24	11	4	848	230	13	56	24	7	847	14258	15	47	26	12	846
Gender																						
Female	119	15	13	66	55	32	27	6	5	848	106	12	55	27	6	848	6953	14	47	28	11	846
Male	136	21	15	80	59	30	22	5	4	848	124	14	57	21	8	846	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	23	1	4	8	35	13	57	1	4	841	15	7	27	60	7	839	828	5	35	40	20	839
No	232	35	15	138	59	49	21	10	4	849	215	13	58	21	7	847	13435	16	48	25	12	846
Gifted/talented program																						
Yes	0										0						699	65	34	2	0	865
No	255	36	14	146	57	62	24	11	4	848	230	13	56	24	7	847	13564	13	48	27	13	845

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

SCIENCE RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Saco School Department
School: Saco 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	6	1	7	7	50	4	29	2	14	842	7	0	47	24	29	836	8	8	34	28	30	837
B. less than one hour	51	17	13	74	57	32	25	6	5	848	50	12	56	25	7	846	51	14	48	27	11	846
C. one to two hours	41	16	16	59	57	25	24	3	3	849	40	15	57	24	3	849	36	19	48	24	9	848
D. more than two hours	3	2	25	6	75	0	0	0	0	858	3	29	71	0	0	858	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	28	17	24	41	58	12	17	1	1	853	27	21	58	16	5	851	23	27	47	17	8	851
B. good	56	17	12	83	58	39	27	4	3	848	58	11	57	28	4	847	53	15	50	26	10	847
C. fair	15	2	5	21	54	11	28	5	13	841	14	6	50	25	19	840	20	4	43	35	18	840
D. poor	1	0	0	1	50	0	0	1	50	833	1	0	50	0	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.	29	12	16	42	56	19	25	2	3	849	29	16	55	24	4	849	26	20	49	23	9	849
B. They match some of what I have learned.	49	20	16	72	57	27	21	7	6	848	49	13	57	21	9	846	51	14	48	26	11	846
C. They match just a little of what I have learned.	17	4	9	26	59	13	30	1	2	849	18	10	57	29	5	847	18	13	44	28	15	844
D. There is no match.	4	0	0	6	60	3	30	1	10	842	3	0	50	38	13	841	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	33	8	10	50	60	21	25	4	5	847	34	9	60	26	5	846	32	13	45	28	14	844
B. about the same as my regular schoolwork	55	22	16	78	56	35	25	5	4	848	54	15	55	24	7	847	56	15	49	25	11	847
C. easier than my regular schoolwork	12	6	20	17	57	5	17	2	7	851	12	19	48	19	15	847	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.	34	10	12	52	60	22	26	2	2	849	34	12	59	24	5	848	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	60	26	17	85	56	33	22	8	5	848	59	16	55	22	7	847	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	7	0	0	9	53	7	41	1	6	841	7	0	56	38	6	841	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	23	6	10	35	60	14	24	3	5	847	22	12	53	25	10	846	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	29	8	11	48	65	15	20	3	4	849	30	7	63	22	7	846	23	17	49	22	12	847
C. the course(s) described in B, plus physics	16	13	32	19	46	9	22	0	0	854	16	33	50	17	0	855	21	31	44	17	7	852
D. a life science and physical science class	31	8	10	43	54	23	29	5	6	845	32	8	56	28	8	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	22	10	18	30	55	14	25	1	2	850	23	17	54	25	4	849	27	23	47	20	10	849
B. agree	36	15	16	48	53	22	24	6	7	848	35	14	51	25	11	845	37	14	47	27	12	846
C. disagree	28	6	8	45	63	18	25	2	3	847	28	8	61	27	5	846	25	11	48	29	12	845
D. strongly disagree	15	5	13	23	61	8	21	2	5	848	14	15	64	15	6	849	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	27	14	20	36	51	18	26	2	3	850	30	19	49	25	7	848	31	22	46	22	10	849
B. agree	51	15	12	81	62	28	22	6	5	848	50	9	63	22	6	847	50	14	49	26	11	846
C. disagree	16	5	13	21	53	12	30	2	5	846	15	14	51	26	9	846	14	9	45	31	15	843
D. strongly disagree	6	2	13	8	53	4	27	1	7	846	5	17	42	33	8	846	5	3	38	34	25	837
Optional school/SAU question																						
A.	67	0	0	1	50	1	50	0	0	842	67	0	50	50	0	842						
B.	0										0											
C.	33	0	0	1	100	0	0	0	0	844	33	0	100	0	0	844						
D.	0										0											

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