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:	12171565
SAU:	MSAD 23
School:	Caravel 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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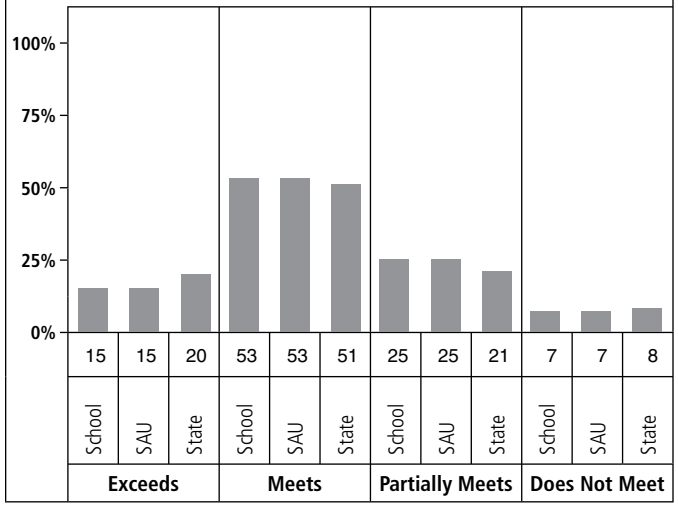
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: MSAD 23
School: Caravel Middle School

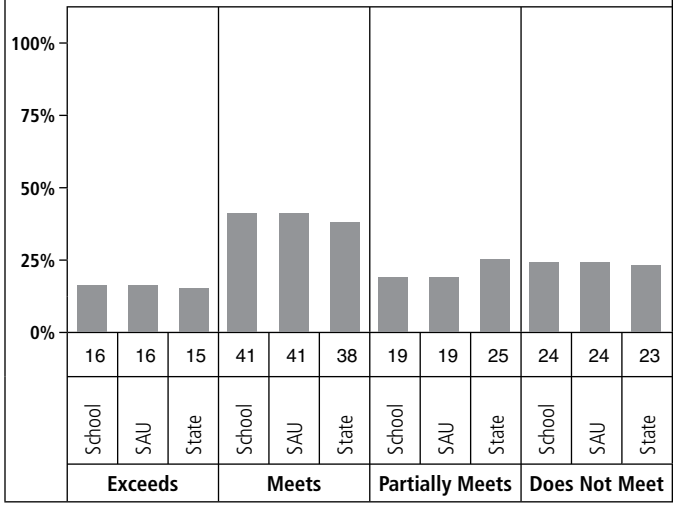
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	843	843	847
2007–2008	845	845	849
2008–2009	**848**	**848**	**850**
Cum. Avg.*	845	845	849
Mathematics			
2006–2007	840	840	842
2007–2008	834	833	841
2008–2009	**843**	**843**	**843**
Cum. Avg.*	839	839	842
Science			
2008-2009 **	**844**	**844**	**846**

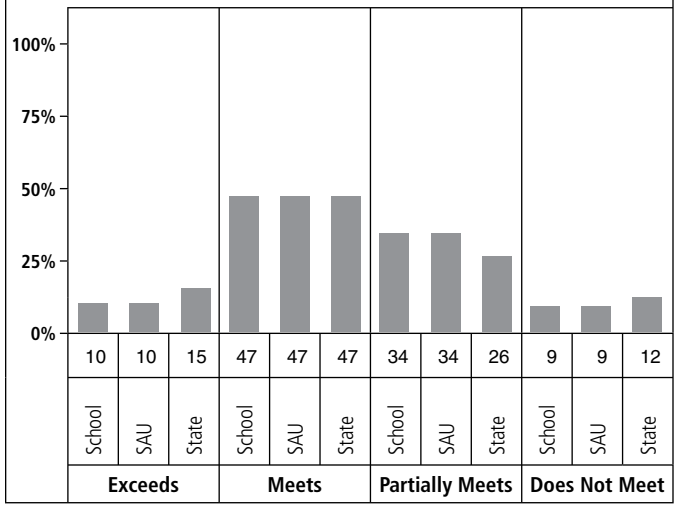
ELA – READING



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: MSAD 23
School: Caravel 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	69	100	69	100	14804	100	69	100	69	100	14659	99	69	100	69	100	14653	99	69	100	69	100	14626	99
Ethnicity African American/Black	1	1	1	1	377	3	1	100	1	100	366	97	1	100	1	100	371	98	1	100	1	100	367	97
American Indian or Native Alaskan	1	1	1	1	119	1	1	100	1	100	117	99	1	100	1	100	115	97	1	100	1	100	116	98
Asian or Pacific Islander	1	1	1	1	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	1	1	1	1	192	1	1	100	1	100	188	98	1	100	1	100	191	100	1	100	1	100	190	99
Caucasian/White	65	94	65	94	13878	94	65	100	65	100	13756	99	65	100	65	100	13742	99	65	100	65	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	9	13	9	13	2489	17	9	100	9	100	2434	99	9	100	9	100	2424	98	9	100	9	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	33	48	33	48	5460	37	33	100	33	100	5380	99	33	100	33	100	5377	99	33	100	33	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	61	88	61	88	12132	82	61	88	61	88	12124	82	61	88	61	88	12169	82
Identified disability (PET/IEP)	1	2	1	2	379	3	1	2	1	2	380	3	1	2	1	2	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	6	10	6	10	200	2	6	10	6	10	200	2	6	10	6	10	202	2
Participation with accommodations	7	10	7	10	2349	16	7	10	7	10	2347	16	7	10	7	10	2288	15
Identified disability (PET/IEP)	7	100	7	100	1877	80	7	100	7	100	1862	79	7	100	7	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
Participation through alternate assessment (PAAP)	1	1	1	1	178	1	1	1	1	1	182	1	1	1	1	1	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	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: MSAD 23
School: Caravel 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	3	4	3	4	2407	16
	2007-2008	8	11	8	11	3428	23
	2008-2009	**10**	**15**	**10**	**15**	**2857**	**20**
	Cum. Total*	21	10	21	10	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	36	53	36	53	7494	49
	2007-2008	36	49	36	49	7179	48
	2008-2009	**36**	**53**	**36**	**53**	**7431**	**51**
	Cum. Total*	108	52	108	51	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	18	26	18	26	3628	24
	2007-2008	18	25	18	24	2706	18
	2008-2009	**17**	**25**	**17**	**25**	**2979**	**21**
	Cum. Total*	53	25	53	25	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	11	16	11	16	1810	12
	2007-2008	11	15	12	16	1611	11
	2008-2009	**5**	**7**	**5**	**7**	**1214**	**8**
	Cum. Total*	27	13	28	13	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**	34.7	62.0	34.7	62.0	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	**20**	**36**	12.1	60.5	12.1	60.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	**36**	**64**	22.6	62.8	22.6	62.8	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: MSAD 23
School: Caravel 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	68	10	15	36	53	17	25	5	7	848	68	15	53	25	7	848	14481	20	51	21	8	850
Ethnicity																						
African American/Black	1										1						362	8	43	29	20	843
American Indian or Native Alaskan	1										1						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	1										1						186	17	48	23	12	847
Caucasian/White	64	10	16	35	55	14	22	5	8	849	64	16	55	22	8	849	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	2	25	2	25	4	50	833	8	0	25	25	50	833	2256	2	25	40	34	834
No	60	10	17	34	57	15	25	1	2	851	60	17	57	25	2	851	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	68	10	15	36	53	17	25	5	7	848	68	15	53	25	7	848	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	33	1	3	19	58	10	30	3	9	844	33	3	58	30	9	844	5277	10	46	29	15	844
No	35	9	26	17	49	7	20	2	6	853	35	26	49	20	6	853	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	68	10	15	36	53	17	25	5	7	848	68	15	53	25	7	848	14476	20	51	21	8	850
Gender																						
Female	30	4	13	17	57	6	20	3	10	849	30	13	57	20	10	849	7074	25	51	18	6	852
Male	38	6	16	19	50	11	29	2	5	848	38	16	50	29	5	848	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	14	0	0	8	57	6	43	0	0	843	14	0	57	43	0	843	857	9	43	35	14	843
No	54	10	19	28	52	11	20	5	9	850	54	19	52	20	9	850	13624	20	52	20	8	850
Gifted/talented program																						
Yes	0										0						700	69	30	1	0	867
No	68	10	15	36	53	17	25	5	7	848	68	15	53	25	7	848	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: MSAD 23
School: Caravel 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	12	2	25	3	38	2	25	1	13	851	12	25	38	25	13	851	8	8	39	29	24	841
B. less than one hour	62	5	12	23	55	12	29	2	5	848	62	12	55	29	5	848	51	17	53	22	8	849
C. one to two hours	25	3	18	10	59	3	18	1	6	850	25	18	59	18	6	850	36	24	52	18	5	852
D. more than two hours	1	0	0	0	0	0	0	1	100	824	1	0	0	0	100	824	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	40	6	22	17	63	3	11	1	4	853	40	22	63	11	4	853	31	35	50	11	4	856
B. good	35	4	17	10	42	8	33	2	8	847	35	17	42	33	8	847	47	16	55	21	7	849
C. fair	24	0	0	9	56	6	38	1	6	844	24	0	56	38	6	844	18	5	47	33	15	842
D. poor	1	0	0	0	0	0	0	1	100	826	1	0	0	0	100	826	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.	32	5	24	14	67	1	5	1	5	854	32	24	67	5	5	854	32	27	54	14	5	853
B. They match some of what I have learned.	50	4	12	14	42	13	39	2	6	846	50	12	42	39	6	846	52	18	53	22	8	850
C. They match just a little of what I have learned.	15	1	10	6	60	2	20	1	10	847	15	10	60	20	10	847	12	11	45	29	15	844
D. There is no match.	3	0	0	1	50	0	0	1	50	841	3	0	50	0	50	841	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	10	0	0	3	43	3	43	1	14	841	10	0	43	43	14	841	15	13	42	28	17	844
B. about the same as my regular schoolwork	57	8	21	20	53	9	24	1	3	851	57	21	53	24	3	851	64	19	53	20	7	850
C. easier than my regular schoolwork	33	2	9	13	59	5	23	2	9	848	33	9	59	23	9	848	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.	7	0	0	2	40	0	0	3	60	834	7	0	40	0	60	834	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	37	3	12	12	48	10	40	0	0	846	37	12	48	40	0	846	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	56	7	18	22	58	7	18	2	5	852	56	18	58	18	5	852	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.	36	3	13	12	50	6	25	3	13	846	36	13	50	25	13	846	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	55	7	19	22	59	7	19	1	3	852	55	19	59	19	3	852	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	9	0	0	2	33	4	67	0	0	844	9	0	33	67	0	844	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	26	3	17	13	72	1	6	1	6	851	26	17	72	6	6	851	19	26	53	15	6	853
B. 20 minutes to an hour	31	3	14	13	62	5	24	0	0	853	31	14	62	24	0	853	40	25	52	17	6	852
C. less than 20 minutes	13	3	33	3	33	2	22	1	11	851	13	33	33	22	11	851	15	18	51	21	10	849
D. I rarely read at home.	29	1	5	7	35	9	45	3	15	841	29	5	35	45	15	841	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	46	7	23	17	55	5	16	2	6	852	46	23	55	16	6	852	42	27	51	15	6	853
B. agree	41	3	11	14	50	10	36	1	4	848	41	11	50	36	4	848	50	15	53	23	9	848
C. disagree	7	0	0	3	60	2	40	0	0	844	7	0	60	40	0	844	7	8	46	32	14	843
D. strongly disagree	6	0	0	2	50	0	0	2	50	836	6	0	50	0	50	836	2	6	39	35	21	840
Optional school/SAU question																						
A.	25	0	0	0	0	0	0	1	100	826	25	0	0	0	100	826						
B.	0										0											
C.	25	0	0	1	100	0	0	0	0	852	25	0	100	0	0	852						
D.	50	0	0	0	0	0	0	2	100	824	50	0	0	0	100	824						

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: MSAD 23
School: Caravel 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	8	12	8	12	1952	13
	2007-2008	1	1	1	1	1657	11
	2008-2009	**11**	**16**	**11**	**16**	**2116**	**15**
	Cum. Total*	20	10	20	10	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	23	34	23	34	5870	38
	2007-2008	27	37	27	36	5956	40
	2008-2009	**28**	**41**	**28**	**41**	**5443**	**38**
	Cum. Total*	78	37	78	37	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	20	29	20	29	3982	26
	2007-2008	17	23	17	23	3729	25
	2008-2009	**13**	**19**	**13**	**19**	**3556**	**25**
	Cum. Total*	50	24	50	24	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	17	25	17	25	3534	23
	2007-2008	28	38	29	39	3579	24
	2008-2009	**16**	**24**	**16**	**24**	**3356**	**23**
	Cum. Total*	61	29	62	30	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**	28.8	51.4	28.8	51.4	28.6	51.1
A. Number	**8**	**14**	3.8	47.5	3.8	47.5	3.7	46.3
B. Data	**16**	**29**	9.5	59.4	9.5	59.4	8.9	55.6
C. Geometry	**12**	**21**	5.4	45.0	5.4	45.0	5.0	41.7
D. Algebra	**20**	**36**	10.1	50.5	10.1	50.5	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: MSAD 23
School: Caravel 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	68	11	16	28	41	13	19	16	24	843	68	16	41	19	24	843	14471	15	38	25	23	843
Ethnicity																						
African American/Black	1										1						367	6	24	26	44	831
American Indian or Native Alaskan	1										1						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	1										1						190	8	31	26	34	836
Caucasian/White	64	11	17	28	44	11	17	14	22	844	64	17	44	17	22	844	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	0	0	2	25	6	75	819	8	0	0	25	75	819	2242	2	12	22	63	824
No	60	11	18	28	47	11	18	10	17	846	60	18	47	18	17	846	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	68	11	16	28	41	13	19	16	24	843	68	16	41	19	24	843	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	33	2	6	13	39	8	24	10	30	837	33	6	39	24	30	837	5270	6	30	28	36	835
No	35	9	26	15	43	5	14	6	17	848	35	26	43	14	17	848	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	68	11	16	28	41	13	19	16	24	843	68	16	41	19	24	843	14466	15	38	25	23	843
Gender																						
Female	30	6	20	13	43	5	17	6	20	843	30	20	43	17	20	843	7070	15	39	25	22	843
Male	38	5	13	15	39	8	21	10	26	842	38	13	39	21	26	842	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	14	1	7	4	29	5	36	4	29	837	14	7	29	36	29	837	857	5	25	33	37	835
No	54	10	19	24	44	8	15	12	22	844	54	19	44	15	22	844	13614	15	38	24	22	843
Gifted/talented program																						
Yes	0										0						700	68	27	3	1	866
No	68	11	16	28	41	13	19	16	24	843	68	16	41	19	24	843	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: MSAD 23
School: Caravel 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	12	3	38	1	13	1	13	3	38	842	12	38	13	13	38	842	8	8	24	24	44	833
B. less than one hour	62	6	14	17	40	11	26	8	19	843	62	14	40	26	19	843	51	12	38	26	23	842
C. one to two hours	25	2	12	10	59	1	6	4	24	845	25	12	59	6	24	845	36	19	40	23	19	845
D. more than two hours	1	0	0	0	0	0	0	1	100	800	1	0	0	0	100	800	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	27	6	33	10	56	0	0	2	11	854	27	33	56	0	11	854	28	33	41	15	11	852
B. good	46	4	13	12	39	6	19	9	29	840	46	13	39	19	29	840	45	11	43	25	21	842
C. fair	24	1	6	6	38	6	38	3	19	838	24	6	38	38	19	838	21	3	27	35	35	834
D. poor	3	0	0	0	0	1	50	1	50	827	3	0	0	50	50	827	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.	43	7	24	14	48	5	17	3	10	850	43	24	48	17	10	850	28	23	41	21	15	848
B. They match some of what I have learned.	40	4	15	12	44	5	19	6	22	843	40	15	44	19	22	843	52	13	40	25	21	843
C. They match just a little of what I have learned.	12	0	0	1	13	3	38	4	50	827	12	0	13	38	50	827	16	8	28	30	34	836
D. There is no match.	4	0	0	1	33	0	0	2	67	817	4	0	33	0	67	817	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	29	0	0	8	40	5	25	7	35	834	29	0	40	25	35	834	32	6	34	29	32	837
B. about the same as my regular schoolwork	57	7	18	19	49	5	13	8	21	846	57	18	49	13	21	846	52	13	41	25	20	843
C. easier than my regular schoolwork	13	4	44	1	11	3	33	1	11	848	13	44	11	33	11	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.	43	4	14	11	38	4	14	10	34	839	43	14	38	14	34	839	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	50	6	18	15	44	8	24	5	15	846	50	18	44	24	15	846	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	7	1	20	2	40	1	20	1	20	844	7	20	40	20	20	844	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	79	7	13	24	44	11	20	12	22	842	79	13	44	20	22	842	34	18	40	22	20	845
B. two or three days a week	16	3	27	4	36	1	9	3	27	846	16	27	36	9	27	846	35	14	38	26	21	843
C. two or three times each month	0										0						18	12	37	27	24	841
D. never or almost never	4	1	33	0	0	1	33	1	33	836	4	33	0	33	33	836	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	46	2	6	13	42	6	19	10	32	838	46	6	42	19	32	838	9	13	38	23	26	841
B. two or three days a week	28	3	16	7	37	5	26	4	21	840	28	16	37	26	21	840	17	11	37	26	26	841
C. two or three times each month	24	5	31	7	44	2	13	2	13	851	24	31	44	13	13	851	28	15	40	25	20	844
D. never or almost never	3	1	50	1	50	0	0	0	0	864	3	50	50	0	0	864	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	46	6	19	14	45	4	13	7	23	846	46	19	45	13	23	846	52	19	41	22	18	846
B. agree	45	5	17	11	37	7	23	7	23	840	45	17	37	23	23	840	39	11	35	27	27	840
C. disagree	6	0	0	2	50	1	25	1	25	840	6	0	50	25	25	840	6	7	28	26	39	835
D. strongly disagree	3	0	0	0	0	1	50	1	50	824	3	0	0	50	50	824	3	4	25	28	43	832
Optional school/SAU question																						
A.	25	0	0	0	0	0	0	1	100	826	25	0	0	0	100	826						
B.	0										0											
C.	25	0	0	0	0	1	100	0	0	838	25	0	0	100	0	838						
D.	50	0	0	0	0	0	0	2	100	808	50	0	0	0	100	808						

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:	MSAD 23
School:	Caravel 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*	7	10	7	10	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*	32	47	32	47	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*	23	34	23	34	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*	6	9	6	9	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**	30.8	55.0	30.8	55.0	32.0	57.1
D. The Physical Setting	**31**	**55**	16.3	52.6	16.3	52.6	17.1	55.2
D1/D2 Earth/Space	**17**	**30**	9.1	53.5	9.1	53.5	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	**14**	**25**	7.3	52.1	7.3	52.1	7.7	55.0
E. The Living Environment	**25**	**45**	14.5	58.0	14.5	58.0	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: MSAD 23
School: Caravel 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	68	7	10	32	47	23	34	6	9	844	68	10	47	34	9	844	14263	15	47	26	12	846
Ethnicity																						
African American/Black	1										1						360	4	31	35	30	835
American Indian or Native Alaskan	1										1						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	1										1						184	9	45	29	16	842
Caucasian/White	64	7	11	31	48	20	31	6	9	844	64	11	48	31	9	844	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	2	25	3	38	3	38	827	8	0	25	38	38	827	2221	3	22	36	38	832
No	60	7	12	30	50	20	33	3	5	846	60	12	50	33	5	846	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	68	7	10	32	47	23	34	6	9	844	68	10	47	34	9	844	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	33	0	0	13	39	16	48	4	12	839	33	0	39	48	12	839	5184	6	40	33	21	840
No	35	7	20	19	54	7	20	2	6	848	35	20	54	20	6	848	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	68	7	10	32	47	23	34	6	9	844	68	10	47	34	9	844	14258	15	47	26	12	846
Gender																						
Female	30	3	10	12	40	11	37	4	13	841	30	10	40	37	13	841	6953	14	47	28	11	846
Male	38	4	11	20	53	12	32	2	5	846	38	11	53	32	5	846	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	14	0	0	7	50	5	36	2	14	842	14	0	50	36	14	842	828	5	35	40	20	839
No	54	7	13	25	46	18	33	4	7	844	54	13	46	33	7	844	13435	16	48	25	12	846
Gifted/talented program																						
Yes	0										0						699	65	34	2	0	865
No	68	7	10	32	47	23	34	6	9	844	68	10	47	34	9	844	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: MSAD 23
School: Caravel 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	12	2	25	4	50	1	13	1	13	846	12	25	50	13	13	846	8	8	34	28	30	837
B. less than one hour	62	3	7	21	50	16	38	2	5	844	62	7	50	38	5	844	51	14	48	27	11	846
C. one to two hours	25	2	12	7	41	6	35	2	12	845	25	12	41	35	12	845	36	19	48	24	9	848
D. more than two hours	1	0	0	0	0	0	0	1	100	800	1	0	0	0	100	800	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	19	3	23	4	31	5	38	1	8	848	19	23	31	38	8	848	23	27	47	17	8	851
B. good	62	2	5	22	52	15	36	3	7	843	62	5	52	36	7	843	53	15	50	26	10	847
C. fair	18	2	17	5	42	3	25	2	17	843	18	17	42	25	17	843	20	4	43	35	18	840
D. poor	1	0	0	1	100	0	0	0	0	852	1	0	100	0	0	852	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.	27	2	11	5	28	9	50	2	11	843	27	11	28	50	11	843	26	20	49	23	9	849
B. They match some of what I have learned.	45	3	10	18	60	9	30	0	0	847	45	10	60	30	0	847	51	14	48	26	11	846
C. They match just a little of what I have learned.	24	2	13	7	44	4	25	3	19	840	24	13	44	25	19	840	18	13	44	28	15	844
D. There is no match.	4	0	0	2	67	0	0	1	33	841	4	0	67	0	33	841	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	33	3	14	11	50	5	23	3	14	844	33	14	50	23	14	844	32	13	45	28	14	844
B. about the same as my regular schoolwork	55	3	8	16	43	15	41	3	8	843	55	8	43	41	8	843	56	15	49	25	11	847
C. easier than my regular schoolwork	12	1	13	5	63	2	25	0	0	849	12	13	63	25	0	849	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.	42	4	14	11	39	11	39	2	7	845	42	14	39	39	7	845	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	46	3	10	17	55	10	32	1	3	846	46	10	55	32	3	846	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	12	0	0	3	38	2	25	3	38	833	12	0	38	25	38	833	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	26	1	6	10	59	3	18	3	18	841	26	6	59	18	18	841	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	28	2	11	7	39	6	33	3	17	842	28	11	39	33	17	842	23	17	49	22	12	847
C. the course(s) described in B, plus physics	22	3	21	6	43	5	36	0	0	848	22	21	43	36	0	848	21	31	44	17	7	852
D. a life science and physical science class	25	0	0	8	50	8	50	0	0	844	25	0	50	50	0	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	37	2	8	10	40	12	48	1	4	843	37	8	40	48	4	843	27	23	47	20	10	849
B. agree	25	2	12	8	47	6	35	1	6	844	25	12	47	35	6	844	37	14	47	27	12	846
C. disagree	22	1	7	7	47	4	27	3	20	841	22	7	47	27	20	841	25	11	48	29	12	845
D. strongly disagree	16	2	18	7	64	1	9	1	9	849	16	18	64	9	9	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	40	2	7	11	41	11	41	3	11	843	40	7	41	41	11	843	31	22	46	22	10	849
B. agree	47	4	13	16	50	10	31	2	6	845	47	13	50	31	6	845	50	14	49	26	11	846
C. disagree	9	1	17	2	33	2	33	1	17	839	9	17	33	33	17	839	14	9	45	31	15	843
D. strongly disagree	4	0	0	3	100	0	0	0	0	853	4	0	100	0	0	853	5	3	38	34	25	837
Optional school/SAU question																						
A.	25	0	0	0	0	0	0	1	100	812	25	0	0	0	100	812						
B.	0										0											
C.	25	0	0	1	100	0	0	0	0	852	25	0	100	0	0	852						
D.	50	0	0	0	0	1	50	1	50	822	50	0	0	50	50	822						

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