June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

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

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

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

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

Sincerely,

Susan A. Gendron
Commissioner of Education

MEA
Maine Educational Assessment

School Report
Grade 4

Test Date: March 2008
Code: 12611943
SAU: MSAD 68
School: Se Do Mo Cha Elementary School

Contents of the Report

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

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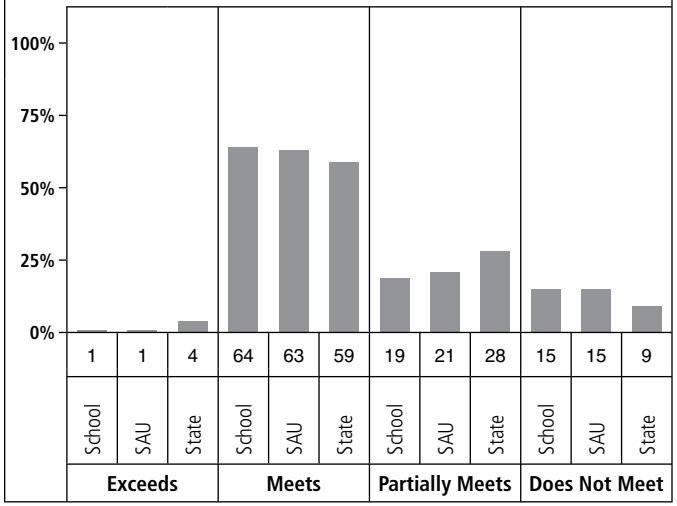
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: MSAD 68
School: Se Do Mo Cha Elementary School

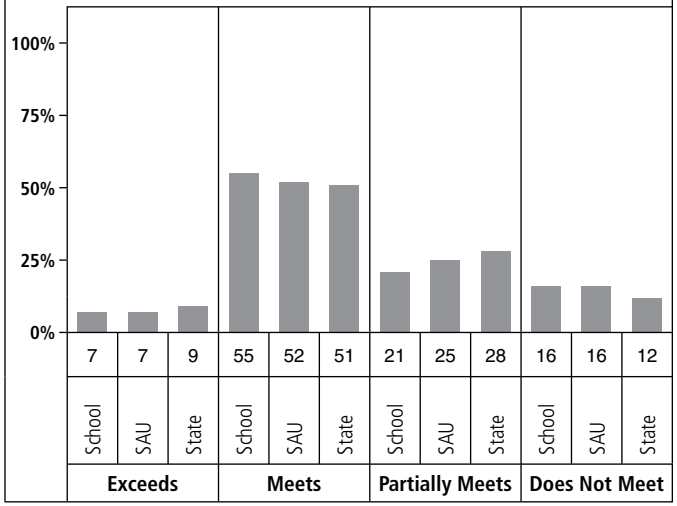
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006		441	444
2006–2007		446	445
2007–2008	**443**	**443**	**445**
Cum. Avg.*		444	445
Mathematics			
2005–2006		440	444
2006–2007		447	445
2007–2008	**444**	**444**	**445**
Cum. Avg.*		444	445
Science & Technology			
2005–2006		439	444
2006–2007		446	444
2007–2008	**443**	**443**	**444**
Cum. Avg.*		443	444

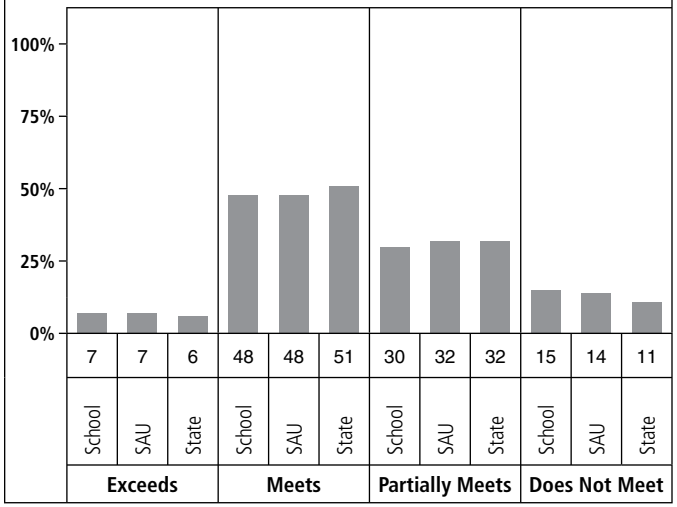
ELA – READING

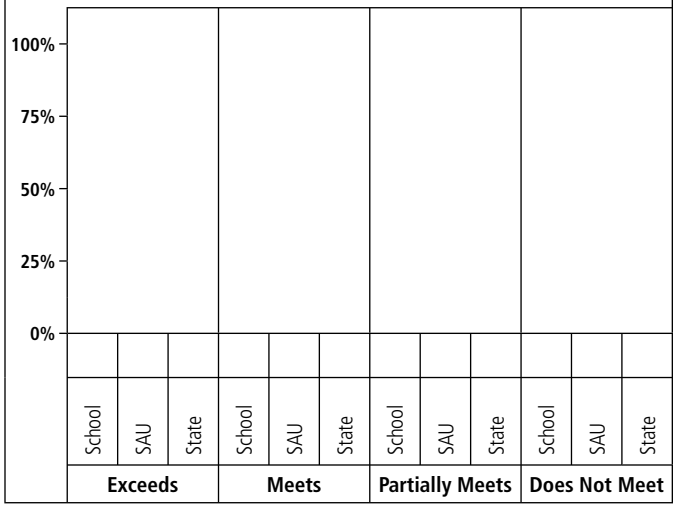


MATHEMATICS



SCIENCE AND TECHNOLOGY





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

SUMMARY OF STUDENT PARTICIPATION

MEA
Maine Educational Assessment

Test Date: March 2008
Grade: 4
SAU: MSAD 68
School: Se Do Mo Cha Elementary School

CATEGORY OF PARTICIPATION	Enrollment[1] during testing window						CONTENT AREA PARTICIPATION[2]																							
							ELA–Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	68	100	74	100	14207	100	68	100	74	100	14181	100	68	100	74	100	14123	100	68	100	74	100	14115	99						
Ethnicity African American/Black	0	0	0	0	390	3	0	0	0	0	388	99	0	0	0	0	388	99	0	0	0	0	386	99						
American Indian or Native Alaskan	0	0	0	0	101	1	0	0	0	0	101	100	0	0	0	0	101	100	0	0	0	0	101	100						
Asian or Pacific Islander	0	0	0	0	263	2	0	0	0	0	259	98	0	0	0	0	262	100	0	0	0	0	262	100						
Hispanic	2	3	2	3	170	1	2	100	2	100	168	99	2	100	2	100	166	98	2	100	2	100	166	98						
Caucasian/White	66	97	72	97	13282	93	66	100	72	100	13264	100	66	100	72	100	13205	100	66	100	72	100	13199	99						
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100						
Identified disability	11	16	11	15	2524	18	11	100	11	100	2514	100	11	100	11	100	2498	99	11	100	11	100	2494	99						
Current LEP	0	0	0	0	385	3	0	0	0	0	377	98	0	0	0	0	383	99	0	0	0	0	380	99						
Economically disadvantaged	37	54	43	58	5587	39	37	100	43	100	5569	100	37	100	43	100	5538	99	37	100	43	100	5534	99						
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100						

MODE OF PARTICIPATION[3]	ELA–Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	36	53	38	51	10755	76	36	53	38	51	10730	76	36	53	38	51	10776	76						
Identified disability (PET/IEP)	0	0	0	0	375	3	0	0	0	0	374	3	0	0	0	0	384	4						
LEP	0	0	0	0	148	1	0	0	0	0	148	1	0	0	0	0	150	1						
504 plan	0	0	0	0	114	1	0	0	0	0	114	1	0	0	0	0	115	1						
Participation with accommodations	31	46	35	47	3298	23	31	46	35	47	3267	23	31	46	35	47	3215	23						
Identified disability (PET/IEP)	10	32	10	29	2013	61	10	32	10	29	1998	61	10	32	10	29	1986	62						
LEP	0	0	0	0	225	7	0	0	0	0	233	7	0	0	0	0	229	7						
504 plan	0	0	0	0	69	2	0	0	0	0	68	2	0	0	0	0	67	2						
Other	21	68	25	71	1046	32	21	68	25	71	1023	31	21	68	25	71	987	31						
Participation through alternate assessment (PAAP)	1	1	1	1	126	1	1	1	1	1	126	1	1	1	1	1	124	1						
Identified disability (PET/IEP)	1	100	1	100	126	100	1	100	1	100	126	100	1	100	1	100	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
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	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	0	0	0	0	11	0	0	0	0	0	68	0	0	0	0	0	80	1						

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

ELA–READING RESULTS

Test Date:	March 2008
Grade:	4
SAU:	MSAD 68
School:	Se Do Mo Cha Elementary School

ACHIEVEMENT LEVEL DEFINITIONS

The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Level Expectations in English language arts – reading.

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006			1	1	601	4
	2006-2007			6	6	507	4
	2007-2008	**1**	**1**	**1**	**1**	**559**	**4**
	Cum. Total*			8	3	1667	4
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 441–460)	2005-2006			31	44	7910	57
	2006-2007			64	65	8749	63
	2007-2008	**43**	**64**	**46**	**63**	**8308**	**59**
	Cum. Total*			141	59	24967	60
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 431–440)	2005-2006			22	31	3970	29
	2006-2007			20	20	3467	25
	2007-2008	**13**	**19**	**15**	**21**	**3922**	**28**
	Cum. Total*			57	24	11359	27
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 400–430)	2005-2006			16	23	1421	10
	2006-2007			8	8	1165	8
	2007-2008	**10**	**15**	**11**	**15**	**1264**	**9**
	Cum. Total*			35	15	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	**48**	**100**	28.7	59.8	28.5	59.4	29.7	61.9
Literary Text	**24**	**50**	15.0	62.5	14.9	62.1	15.5	64.6
Informational Text	**24**	**50**	13.8	57.5	13.6	56.7	14.2	59.2

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

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

ELA–READING RESULTS
(CONTINUED)

Test Date: March 2008
Grade: 4
SAU: MSAD 68
School: Se Do Mo Cha Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	67	1	1	43	64	13	19	10	15	443	73	1	63	21	15	443	14053	4	59	28	9	445
Ethnicity																						
African American/Black	0										0						384	1	36	35	28	438
American Indian or Native Alaskan	0										0						101	1	46	44	10	442
Asian or Pacific Islander	0										0						259	6	61	22	11	445
Hispanic	2										2						164	0	45	38	16	440
Caucasian/White	65	1	2	41	63	13	20	10	15	443	71	1	62	21	15	443	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	10	0	0	1	10	3	30	6	60	434	10	0	10	30	60	434	2388	0	29	44	26	437
No	57	1	2	42	74	10	18	4	7	445	63	2	71	19	8	445	11665	5	65	25	6	446
Current LEP																						
Yes	0										0						373	1	32	35	32	436
No	67	1	1	43	64	13	19	10	15	443	73	1	63	21	15	443	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	36	0	0	19	53	8	22	9	25	440	42	0	52	24	24	440	5502	1	47	37	14	441
No	31	1	3	24	77	5	16	1	3	447	31	3	77	16	3	447	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	67	1	1	43	64	13	19	10	15	443	73	1	63	21	15	443	14048	4	59	28	9	445
Gender																						
Female	37	1	3	22	59	9	24	5	14	443	39	3	56	28	13	443	6959	5	61	26	8	446
Male	30	0	0	21	70	4	13	5	17	444	34	0	71	12	18	443	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1890	0	37	46	17	439
No	67	1	1	43	64	13	19	10	15	443	73	1	63	21	15	443	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	67	1	1	43	64	13	19	10	15	443	73	1	63	21	15	443	13787	4	59	28	9	445

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

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

ELA–READING RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: MSAD 68
School: Se Do Mo Cha Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	1	25	2	50	1	25	438	7	0	40	40	20	440	5	1	42	36	21	440
B. less than one hour	90	1	2	42	70	10	17	7	12	445	88	2	67	19	13	444	74	4	62	27	7	445
C. one to two hours	4	0	0	0	0	1	33	2	67	429	5	0	25	25	50	433	18	5	59	29	7	446
D. more than two hours	0										0						2	3	32	34	31	438
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.	27	0	0	14	78	2	11	2	11	445	29	0	71	19	10	444	30	6	63	24	7	446
B. They match some of what I have learned.	55	1	3	25	68	8	22	3	8	445	53	3	69	21	8	445	52	4	63	27	6	446
C. They match just a little of what I have learned.	7	0	0	3	60	1	20	1	20	440	8	0	50	17	33	438	12	2	46	37	15	441
D. There is no match.	10	0	0	1	14	2	29	4	57	434	10	0	14	29	57	434	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	39	0	0	20	77	3	12	3	12	446	38	0	79	11	11	446	35	7	66	20	6	448
B. good	46	1	3	21	68	7	23	2	6	444	44	3	66	22	9	444	51	3	60	29	7	445
C. fair	7	0	0	1	20	2	40	2	40	435	11	0	25	50	25	438	12	1	44	40	16	440
D. poor	7	0	0	1	20	1	20	3	60	434	7	0	20	20	60	434	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	10	0	0	3	43	1	14	3	43	438	12	0	33	22	44	437	19	2	46	34	17	442
B. about the same as my regular schoolwork	64	1	2	31	72	9	21	2	5	445	64	2	72	21	4	445	62	5	64	26	5	446
C. easier than my regular schoolwork	25	0	0	9	53	3	18	5	29	441	23	0	53	18	29	441	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	13	0	0	1	11	5	56	3	33	436	13	0	11	56	33	436	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	42	0	0	19	68	5	18	4	14	442	43	0	71	16	13	442	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	45	1	3	23	77	3	10	3	10	447	44	3	72	16	9	447	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	30	0	0	14	70	2	10	4	20	444	29	0	71	10	19	444	18	7	64	22	7	447
B. 20 minutes to an hour	42	1	4	21	75	4	14	2	7	446	42	3	68	19	10	444	55	4	64	26	6	446
C. less than 20 minutes	13	0	0	4	44	4	44	1	11	440	12	0	44	44	11	440	14	2	53	33	12	443
D. I rarely read at home.	15	0	0	4	40	3	30	3	30	439	16	0	50	25	25	441	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	41	1	4	20	74	2	7	4	15	445	40	3	72	10	14	445	23	3	50	34	13	442
B. six to ten pages	24	0	0	10	63	4	25	2	13	443	22	0	63	25	13	443	25	3	60	29	8	444
C. eleven or more pages	35	0	0	12	52	7	30	4	17	442	38	0	52	30	19	442	52	5	64	24	6	446
Optional school/SAU question																						
A.	33	0	0	0	0	0	0	1	100	430	33	0	0	0	100	430						
B.	67	0	0	0	0	2	100	0	0	432	67	0	0	100	0	432						
C.	0										0											
D.	0										0											

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

MATHEMATICS RESULTS

Test Date:	March 2008
Grade:	4
SAU:	MSAD 68
School:	Se Do Mo Cha Elementary School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Level Expectations in mathematics.		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006			3	4	1294	9
	2006-2007			9	9	1054	8
	2007-2008	**5**	**7**	**5**	**7**	**1321**	**9**
	Cum. Total*			17	7	3669	9
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 441–460)	2005-2006			34	47	7000	50
	2006-2007			57	58	7394	53
	2007-2008	**37**	**55**	**38**	**52**	**7079**	**51**
	Cum. Total*			129	53	21473	51
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 429–440)	2005-2006			15	21	3784	27
	2006-2007			24	24	3729	27
	2007-2008	**14**	**21**	**18**	**25**	**3955**	**28**
	Cum. Total*			57	23	11468	27
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006			20	28	1894	14
	2006-2007			8	8	1735	12
	2007-2008	**11**	**16**	**12**	**16**	**1642**	**12**
	Cum. Total*			40	16	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	**15**	**31**	9.3	62.0	9.2	61.3	9.5	63.3
Cluster 2: Shape and Size	**14**	**29**	9.2	65.7	9.1	65.0	9.1	65.0
Cluster 3: Mathematical Decision Making	**5**	**10**	3.3	66.0	3.2	64.0	3.4	68.0
Cluster 4: Patterns	**14**	**29**	9.4	67.1	9.3	66.4	9.7	69.3

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

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

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

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

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

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

MATHEMATICS RESULTS
(CONTINUED)

Test Date: March 2008
Grade: 4
SAU: MSAD 68
School: Se Do Mo Cha Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	67	5	7	37	55	14	21	11	16	444	73	7	52	25	16	444	13997	9	51	28	12	445
Ethnicity																						
African American/Black	0										0						386	4	26	34	36	434
American Indian or Native Alaskan	0										0						101	3	46	41	11	442
Asian or Pacific Islander	0										0						262	14	51	23	12	447
Hispanic	2										2						162	4	41	34	21	440
Caucasian/White	65	5	8	35	54	14	22	11	17	444	71	7	51	25	17	443	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	10	1	10	0	0	2	20	7	70	426	10	10	0	20	70	426	2372	3	31	36	30	436
No	57	4	7	37	65	12	21	4	7	448	63	6	60	25	8	446	11625	11	54	27	8	447
Current LEP																						
Yes	0										0						381	4	33	28	35	435
No	67	5	7	37	55	14	21	11	16	444	73	7	52	25	16	444	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	36	0	0	16	44	9	25	11	31	438	42	0	40	31	29	438	5472	5	41	35	19	440
No	31	5	16	21	68	5	16	0	0	452	31	16	68	16	0	452	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	67	5	7	37	55	14	21	11	16	444	73	7	52	25	16	444	13992	9	51	28	12	445
Gender																						
Female	37	3	8	16	43	8	22	10	27	441	39	8	41	26	26	441	6933	9	50	29	12	445
Male	30	2	7	21	70	6	20	1	3	449	34	6	65	24	6	447	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1890	2	34	41	23	438
No	67	5	7	37	55	14	21	11	16	444	73	7	52	25	16	444	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	67	5	7	37	55	14	21	11	16	444	73	7	52	25	16	444	13731	9	51	29	12	445

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

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

MATHEMATICS RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: MSAD 68
School: Se Do Mo Cha Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	3	75	0	0	1	25	440	7	0	60	20	20	439	5	6	34	33	27	438
B. less than one hour	90	5	8	34	57	12	20	9	15	446	88	8	55	22	16	445	74	10	52	28	10	446
C. one to two hours	4	0	0	0	0	2	67	1	33	427	5	0	0	75	25	430	18	10	52	28	10	446
D. more than two hours	0										0						2	5	33	28	34	436
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.	40	4	15	17	63	3	11	3	11	450	40	14	59	17	10	449	38	13	56	23	8	448
B. They match some of what I have learned.	34	0	0	13	57	6	26	4	17	443	36	0	54	27	19	441	48	8	52	29	10	445
C. They match just a little of what I have learned.	18	1	8	5	42	4	33	2	17	441	17	8	42	33	17	441	10	4	35	39	22	439
D. There is no match.	7	0	0	2	40	1	20	2	40	430	7	0	40	20	40	430	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	39	0	0	17	65	6	23	3	12	446	37	0	63	26	11	446	35	16	55	20	8	449
B. good	37	4	16	13	52	4	16	4	16	447	40	14	48	21	17	445	48	7	52	31	11	445
C. fair	18	1	8	7	58	2	17	2	17	442	18	8	54	23	15	442	14	3	41	38	18	440
D. poor	6	0	0	0	0	2	50	2	50	423	5	0	0	50	50	423	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	12	0	0	4	50	4	50	0	0	441	11	0	50	50	0	441	15	4	38	33	25	439
B. about the same as my regular schoolwork	61	5	13	21	53	7	18	7	18	447	64	11	48	24	17	445	64	10	54	28	9	446
C. easier than my regular schoolwork	27	0	0	12	67	2	11	4	22	441	25	0	67	11	22	441	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	21	0	0	8	57	2	14	4	29	436	21	0	53	20	27	436	23	8	47	29	16	443
B. two or three days a week	34	2	9	16	70	4	17	1	4	452	37	7	59	26	7	449	36	11	54	27	9	447
C. two or three times each month	21	1	7	7	50	1	7	5	36	442	19	7	50	7	36	442	25	10	53	27	10	446
D. never or almost never	24	2	13	6	38	7	44	1	6	444	23	12	41	41	6	444	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	9	0	0	0	0	2	33	4	67	424	10	0	14	29	57	427	5	3	30	33	33	436
B. two or three days a week	13	1	11	5	56	2	22	1	11	446	19	7	36	43	14	442	19	8	50	30	12	445
C. two or three times each month	37	2	8	16	64	3	12	4	16	447	34	8	64	12	16	447	38	11	55	26	8	447
D. never or almost never	40	2	7	16	59	7	26	2	7	446	37	7	59	26	7	446	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	10	0	0	3	43	2	29	2	29	437	11	0	50	25	25	438	8	3	33	38	25	438
B. 30–45 minutes	34	2	9	13	57	6	26	2	9	447	33	8	54	29	8	447	27	6	48	33	13	443
C. 45–60 minutes	33	2	9	13	59	5	23	2	9	446	36	8	50	31	12	444	38	11	54	26	9	447
D. more than 60 minutes	22	1	7	8	53	1	7	5	33	441	21	7	53	7	33	441	26	13	55	23	9	448
Optional school/SAU question																						
A.	33	0	0	0	0	0	0	1	100	400	33	0	0	0	100	400						
B.	67	0	0	0	0	1	50	1	50	428	67	0	0	50	50	428						
C.	0										0											
D.	0										0											

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

SCIENCE AND TECHNOLOGY RESULTS

Test Date:	March 2008
Grade:	4
SAU:	MSAD 68
School:	Se Do Mo Cha Elementary School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Span Expectations in science and technology.		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006			2	3	751	5
	2006-2007			8	8	963	7
	2007-2008	**5**	**7**	**5**	**7**	**882**	**6**
	Cum. Total*			15	6	2596	6
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006			28	39	7251	52
	2006-2007			53	54	6824	49
	2007-2008	**32**	**48**	**35**	**48**	**7130**	**51**
	Cum. Total*			116	48	21205	51
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006			25	35	4514	32
	2006-2007			29	30	4382	32
	2007-2008	**20**	**30**	**23**	**32**	**4433**	**32**
	Cum. Total*			77	32	13329	32
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006			17	24	1458	10
	2006-2007			8	8	1735	12
	2007-2008	**10**	**15**	**10**	**14**	**1546**	**11**
	Cum. Total*			35	14	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	**12**	**25**	7.9	65.8	8.0	66.7	8.0	66.7
Cluster 2: Physical Sciences	**12**	**25**	7.0	58.3	7.1	59.2	7.2	60.0
Cluster 3: Earth and Space Sciences	**12**	**25**	7.6	63.3	7.5	62.5	7.4	61.7
Cluster 4: Nature and Implications of Science	**12**	**25**	7.1	59.2	7.0	58.3	7.6	63.3

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

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

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

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

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

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

SCIENCE AND TECHNOLOGY RESULTS
(CONTINUED)

Test Date: March 2008
Grade: 4
SAU: MSAD 68
School: Se Do Mo Cha Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	67	5	7	32	48	20	30	10	15	443	73	7	48	32	14	443	13991	6	51	32	11	444
Ethnicity																						
African American/Black	0										0						385	2	27	35	36	434
American Indian or Native Alaskan	0										0						101	3	44	44	10	441
Asian or Pacific Islander	0										0						262	5	52	28	14	443
Hispanic	2										2						162	2	38	39	21	439
Caucasian/White	65	5	8	31	48	19	29	10	15	443	71	7	48	31	14	443	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	10	1	10	1	10	5	50	3	30	434	10	10	10	50	30	434	2370	2	32	41	25	437
No	57	4	7	31	54	15	26	7	12	445	63	6	54	29	11	444	11621	7	55	30	8	445
Current LEP																						
Yes	0										0						379	1	25	35	39	433
No	67	5	7	32	48	20	30	10	15	443	73	7	48	32	14	443	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	36	1	3	13	36	13	36	9	25	438	42	2	38	38	21	438	5470	3	41	39	18	440
No	31	4	13	19	61	7	23	1	3	449	31	13	61	23	3	449	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	67	5	7	32	48	20	30	10	15	443	73	7	48	32	14	443	13986	6	51	32	11	444
Gender																						
Female	37	2	5	14	38	14	38	7	19	440	39	5	38	38	18	440	6929	6	49	33	12	443
Male	30	3	10	18	60	6	20	3	10	446	34	9	59	24	9	446	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1888	1	32	44	23	437
No	67	5	7	32	48	20	30	10	15	443	73	7	48	32	14	443	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	67	5	7	32	48	20	30	10	15	443	73	7	48	32	14	443	13725	6	51	32	11	444

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 AND TECHNOLOGY RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: MSAD 68
School: Se Do Mo Cha Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	2	50	2	50	0	0	443	7	0	40	60	0	441	5	4	37	36	22	439
B. less than one hour	90	5	8	30	50	17	28	8	13	444	88	8	50	30	13	444	74	6	53	31	10	444
C. one to two hours	4	0	0	0	0	1	33	2	67	431	5	0	25	25	50	436	18	7	52	32	8	445
D. more than two hours	0										0						2	4	31	33	32	437
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.	25	1	6	9	53	4	24	3	18	444	29	5	52	29	14	444	24	9	53	28	10	446
B. They match some of what I have learned.	45	3	10	18	60	8	27	1	3	447	44	9	59	28	3	447	49	6	54	31	9	445
C. They match just a little of what I have learned.	19	0	0	2	15	6	46	5	38	431	18	0	15	46	38	431	21	4	47	36	13	442
D. There is no match.	10	1	14	3	43	2	29	1	14	443	10	14	43	29	14	443	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	24	0	0	11	69	3	19	2	13	443	26	0	63	26	11	443	25	9	53	27	10	446
B. good	54	5	14	19	53	10	28	2	6	447	53	13	54	28	5	447	54	6	55	30	9	445
C. fair	15	0	0	2	20	4	40	4	40	434	14	0	20	40	40	434	19	3	43	40	15	441
D. poor	7	0	0	0	0	3	60	2	40	432	7	0	0	60	40	432	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	20	1	8	5	38	4	31	3	23	442	18	8	38	31	23	442	22	5	45	35	15	442
B. about the same as my regular schoolwork	65	4	9	21	49	13	30	5	12	444	68	8	49	33	10	444	62	7	53	31	9	445
C. easier than my regular schoolwork	15	0	0	6	60	3	30	1	10	444	14	0	60	30	10	444	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	13	0	0	4	44	2	22	3	33	437	12	0	44	22	33	437	24	7	48	33	12	444
B. a few times a week	52	5	14	18	51	8	23	4	11	446	56	12	51	27	10	445	53	7	54	31	9	445
C. once a week	24	0	0	7	44	7	44	2	13	441	22	0	44	44	13	441	9	6	46	33	15	442
D. a few times a month	10	0	0	3	43	3	43	1	14	441	10	0	43	43	14	441	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	33	3	14	10	45	8	36	1	5	445	38	11	46	39	4	444	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	15	1	10	2	20	6	60	1	10	440	14	10	20	60	10	440	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	34	0	0	15	65	6	26	2	9	445	32	0	65	26	9	445	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	18	1	8	5	42	0	0	6	50	439	16	8	42	0	50	439	22	9	55	26	9	446
Optional school/SAU question																						
A.	33	0	0	0	0	0	0	1	100	400	33	0	0	0	100	400						
B.	67	0	0	0	0	0	0	2	100	421	67	0	0	0	100	421						
C.	0										0											
D.	0										0											

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