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: 12481708
SAU: MSAD 54
School: Bloomfield 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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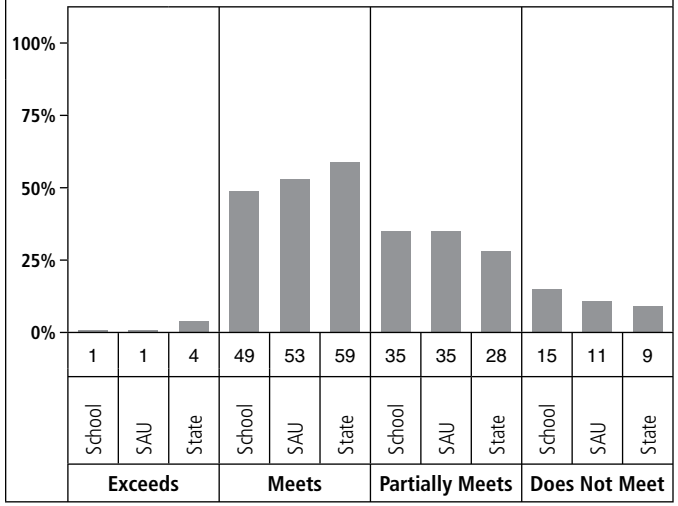
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: MSAD 54
School: Bloomfield Elementary School

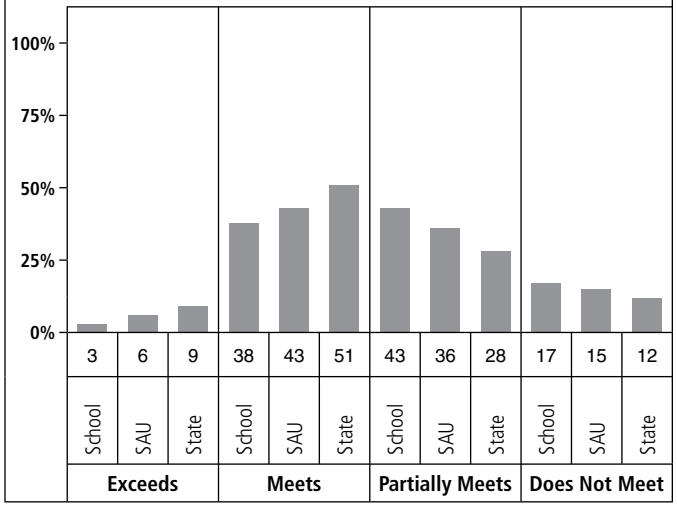
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	442	442	444
2006–2007	440	442	445
2007–2008	**441**	**443**	**445**
Cum. Avg.*	441	442	445
Mathematics			
2005–2006	440	442	444
2006–2007	437	441	445
2007–2008	**440**	**442**	**445**
Cum. Avg.*	439	442	445
Science & Technology			
2005–2006	440	441	444
2006–2007	437	439	444
2007–2008	**439**	**440**	**444**
Cum. Avg.*	439	440	444

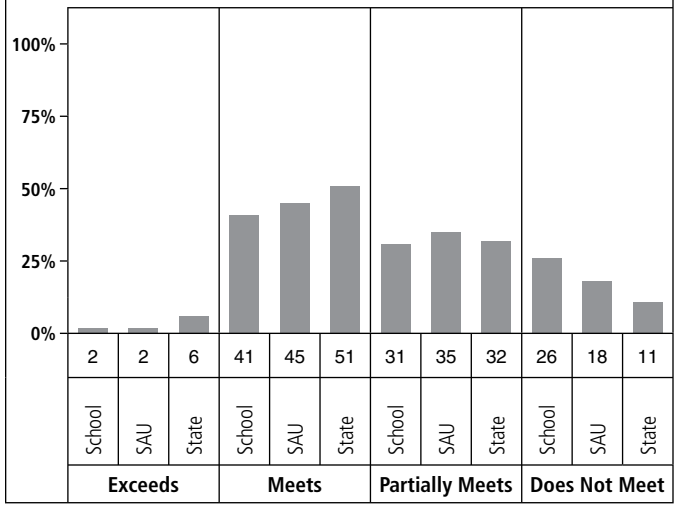
ELA – READING

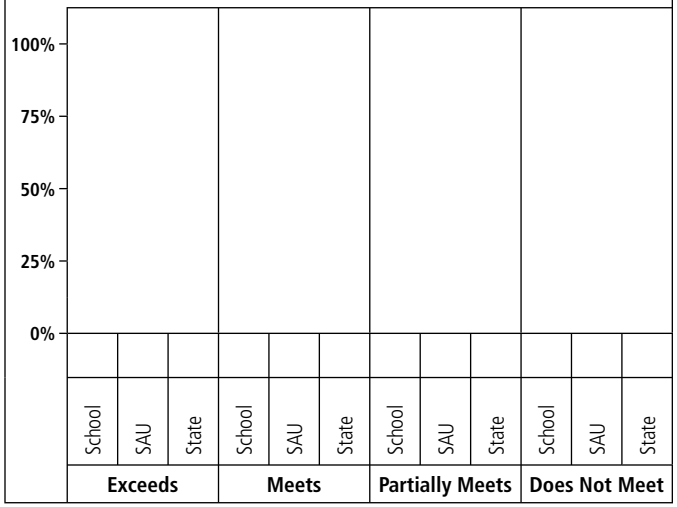


MATHEMATICS



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

Test Date: March 2008
Grade: 4
SAU: MSAD 54
School: Bloomfield 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	100	100	207	100	14207	100	100	100	207	100	14181	100	100	100	207	100	14123	100	100	100	207	100	14115	99						
Ethnicity African American/Black	0	0	2	1	390	3	0	0	2	100	388	99	0	0	2	100	388	99	0	0	2	100	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	3	3	3	1	263	2	3	100	3	100	259	98	3	100	3	100	262	100	3	100	3	100	262	100						
Hispanic	1	1	2	1	170	1	1	100	2	100	168	99	1	100	2	100	166	98	1	100	2	100	166	98						
Caucasian/White	96	96	200	97	13282	93	96	100	200	100	13264	100	96	100	200	100	13205	100	96	100	200	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	15	15	46	22	2524	18	15	100	46	100	2514	100	15	100	46	100	2498	99	15	100	46	100	2494	99						
Current LEP	2	2	3	1	385	3	2	100	3	100	377	98	2	100	3	100	383	99	2	100	3	100	380	99						
Economically disadvantaged	51	51	109	53	5587	39	51	100	109	100	5569	100	51	100	109	100	5538	99	51	100	109	100	5534	99						
Migrant	0	0	1	0	5	0	0	0	1	100	5	100	0	0	1	100	5	100	0	0	1	100	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	83	83	157	76	10755	76	83	83	164	79	10730	76	83	83	164	79	10776	76						
Identified disability (PET/IEP)	2	2	5	3	375	3	2	2	8	5	374	3	2	2	8	5	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	1	1	114	1	0	0	1	1	114	1	0	0	2	1	115	1						
Participation with accommodations	13	13	45	22	3298	23	13	13	38	18	3267	23	13	13	38	18	3215	23						
Identified disability (PET/IEP)	9	69	36	80	2013	61	9	69	33	87	1998	61	9	69	33	87	1986	62						
LEP	2	15	3	7	225	7	2	15	3	8	233	7	2	15	3	8	229	7						
504 plan	1	8	3	7	69	2	1	8	3	8	68	2	1	8	2	5	67	2						
Other	2	15	6	13	1046	32	2	15	2	5	1023	31	2	15	3	8	987	31						
Participation through alternate assessment (PAAP)	4	4	5	2	126	1	4	4	5	2	126	1	4	4	5	2	124	1						
Identified disability (PET/IEP)	4	100	5	100	126	100	4	100	5	100	126	100	4	100	5	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 54
School:	Bloomfield 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	4	4	5	2	601	4
	2006-2007	0	0	1	0	507	4
	2007-2008	**1**	**1**	**3**	**1**	**559**	**4**
	Cum. Total*	5	2	9	1	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	51	50	113	55	7910	57
	2006-2007	45	42	103	51	8749	63
	2007-2008	**47**	**49**	**107**	**53**	**8308**	**59**
	Cum. Total*	143	47	323	53	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	34	33	57	28	3970	29
	2006-2007	45	42	74	36	3467	25
	2007-2008	**34**	**35**	**70**	**35**	**3922**	**28**
	Cum. Total*	113	37	201	33	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	14	14	29	14	1421	10
	2006-2007	17	16	25	12	1165	8
	2007-2008	**14**	**15**	**22**	**11**	**1264**	**9**
	Cum. Total*	45	15	76	12	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**	27.0	56.3	28.2	58.8	29.7	61.9
Literary Text	**24**	**50**	14.3	59.6	14.8	61.7	15.5	64.6
Informational Text	**24**	**50**	12.7	52.9	13.4	55.8	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 54
School: Bloomfield 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	96	1	1	47	49	34	35	14	15	441	202	1	53	35	11	443	14053	4	59	28	9	445
Ethnicity																						
African American/Black	0										2						384	1	36	35	28	438
American Indian or Native Alaskan	0										0						101	1	46	44	10	442
Asian or Pacific Islander	3										3						259	6	61	22	11	445
Hispanic	1										1						164	0	45	38	16	440
Caucasian/White	92	1	1	45	49	33	36	13	14	441	196	2	53	35	11	443	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	11	0	0	0	0	4	36	7	64	427	41	0	10	59	32	434	2388	0	29	44	26	437
No	85	1	1	47	55	30	35	7	8	443	161	2	64	29	6	445	11665	5	65	25	6	446
Current LEP																						
Yes	2										3						373	1	32	35	32	436
No	94	1	1	46	49	34	36	13	14	441	199	2	53	35	10	443	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	47	0	0	21	45	16	34	10	21	439	104	2	47	37	14	441	5502	1	47	37	14	441
No	49	1	2	26	53	18	37	4	8	443	98	1	59	33	7	444	8551	6	67	22	5	447
Migrant																						
Yes	0										1						5	0	40	60	0	445
No	96	1	1	47	49	34	35	14	15	441	201	1	53	34	11	443	14048	4	59	28	9	445
Gender																						
Female	50	0	0	27	54	16	32	7	14	442	104	2	58	34	7	444	6959	5	61	26	8	446
Male	46	1	2	20	43	18	39	7	15	441	98	1	48	36	15	441	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	14	0	0	1	7	9	64	4	29	435	24	0	21	58	21	438	1890	0	37	46	17	439
No	82	1	1	46	56	25	30	10	12	442	178	2	57	31	10	443	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	96	1	1	47	49	34	35	14	15	441	202	1	53	35	11	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 54
School: Bloomfield 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	9	0	0	4	44	4	44	1	11	440	11	0	41	41	18	439	5	1	42	36	21	440
B. less than one hour	67	1	2	30	47	25	39	8	13	442	65	2	53	37	8	443	74	4	62	27	7	445
C. one to two hours	20	0	0	11	58	4	21	4	21	441	21	2	60	23	14	444	18	5	59	29	7	446
D. more than two hours	4	0	0	2	50	1	25	1	25	441	3	0	33	50	17	439	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.	32	1	3	16	52	9	29	5	16	441	34	4	65	22	9	445	30	6	63	24	7	446
B. They match some of what I have learned.	47	0	0	28	62	12	27	5	11	444	47	0	57	34	9	443	52	4	63	27	6	446
C. They match just a little of what I have learned.	16	0	0	3	20	10	67	2	13	437	15	0	23	63	13	438	12	2	46	37	15	441
D. There is no match.	5	0	0	0	0	3	60	2	40	434	4	0	13	50	38	432	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	42	0	0	22	55	11	28	7	18	442	38	3	64	22	11	445	35	7	66	20	6	448
B. good	51	1	2	20	41	21	43	7	14	440	49	1	44	43	11	441	51	3	60	29	7	445
C. fair	7	0	0	5	71	2	29	0	0	445	12	0	54	38	8	443	12	1	44	40	16	440
D. poor	0										1	0	33	33	33	435	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	16	0	0	5	33	5	33	5	33	437	18	0	36	42	22	438	19	2	46	34	17	442
B. about the same as my regular schoolwork	60	1	2	29	52	20	36	6	11	442	60	2	59	33	6	444	62	5	64	26	5	446
C. easier than my regular schoolwork	24	0	0	12	52	8	35	3	13	442	22	2	51	33	14	442	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.	12	0	0	4	36	5	45	2	18	438	14	0	26	52	22	437	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	46	1	2	19	43	16	36	8	18	439	53	1	56	35	8	443	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	42	0	0	23	58	13	33	4	10	444	34	3	60	27	10	445	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	24	0	0	12	52	6	26	5	22	441	18	3	59	22	16	443	18	7	64	22	7	447
B. 20 minutes to an hour	52	0	0	30	60	15	30	5	10	443	54	1	61	29	8	444	55	4	64	26	6	446
C. less than 20 minutes	14	1	8	3	23	6	46	3	23	438	15	3	37	50	10	441	14	2	53	33	12	443
D. I rarely read at home.	10	0	0	2	20	7	70	1	10	437	13	0	27	58	15	437	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	18	1	6	3	18	9	53	4	24	437	24	2	36	47	15	440	23	3	50	34	13	442
B. six to ten pages	20	0	0	14	74	2	11	3	16	444	24	2	66	19	13	444	25	3	60	29	8	444
C. eleven or more pages	62	0	0	30	51	22	37	7	12	442	53	1	55	35	9	443	52	5	64	24	6	446
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	100	0	0	1	100	0	0	0	0	444	100	0	50	50	0	442						
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 54
School:	Bloomfield 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	5	5	12	6	1294	9
	2006-2007	2	2	13	6	1054	8
	2007-2008	**3**	**3**	**13**	**6**	**1321**	**9**
	Cum. Total*	10	3	38	6	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	40	39	91	45	7000	50
	2006-2007	36	33	88	43	7394	53
	2007-2008	**36**	**38**	**86**	**43**	**7079**	**51**
	Cum. Total*	112	36	265	43	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	42	41	72	35	3784	27
	2006-2007	40	37	62	30	3729	27
	2007-2008	**41**	**43**	**73**	**36**	**3955**	**28**
	Cum. Total*	123	40	207	34	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	16	16	29	14	1894	14
	2006-2007	30	28	41	20	1735	12
	2007-2008	**16**	**17**	**30**	**15**	**1642**	**12**
	Cum. Total*	62	20	100	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**	8.7	58.0	9.1	60.7	9.5	63.3
Cluster 2: Shape and Size	**14**	**29**	8.0	57.1	8.5	60.7	9.1	65.0
Cluster 3: Mathematical Decision Making	**5**	**10**	3.0	60.0	3.2	64.0	3.4	68.0
Cluster 4: Patterns	**14**	**29**	8.8	62.9	9.2	65.7	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 54
School: Bloomfield 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	96	3	3	36	38	41	43	16	17	440	202	6	43	36	15	442	13997	9	51	28	12	445
Ethnicity																						
African American/Black	0										2						386	4	26	34	36	434
American Indian or Native Alaskan	0										0						101	3	46	41	11	442
Asian or Pacific Islander	3										3						262	14	51	23	12	447
Hispanic	1										1						162	4	41	34	21	440
Caucasian/White	92	2	2	35	38	39	42	16	17	440	196	6	43	35	15	442	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	11	0	0	2	18	6	55	3	27	429	41	0	27	44	29	435	2372	3	31	36	30	436
No	85	3	4	34	40	35	41	13	15	441	161	8	47	34	11	444	11625	11	54	27	8	447
Current LEP																						
Yes	2										3						381	4	33	28	35	435
No	94	2	2	36	38	40	43	16	17	440	199	6	43	36	15	442	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	47	1	2	13	28	23	49	10	21	436	104	8	38	37	17	441	5472	5	41	35	19	440
No	49	2	4	23	47	18	37	6	12	443	98	5	47	36	12	444	8525	13	56	24	7	448
Migrant																						
Yes	0										1						5	0	80	20	0	448
No	96	3	3	36	38	41	43	16	17	440	201	6	43	36	15	442	13992	9	51	28	12	445
Gender																						
Female	50	2	4	15	30	21	42	12	24	439	104	9	41	32	18	443	6933	9	50	29	12	445
Male	46	1	2	21	46	20	43	4	9	441	98	4	44	41	11	442	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	14	0	0	3	21	6	43	5	36	432	24	0	21	46	33	433	1890	2	34	41	23	438
No	82	3	4	33	40	35	43	11	13	441	178	7	46	35	12	444	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	96	3	3	36	38	41	43	16	17	440	202	6	43	36	15	442	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 54
School: Bloomfield 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	9	0	0	2	22	5	56	2	22	434	11	5	27	36	32	435	5	6	34	33	27	438
B. less than one hour	67	2	3	22	34	30	47	10	16	440	65	5	40	41	13	442	74	10	52	28	10	446
C. one to two hours	20	1	5	9	47	6	32	3	16	443	21	12	56	21	12	447	18	10	52	28	10	446
D. more than two hours	4	0	0	3	75	0	0	1	25	438	3	0	50	33	17	439	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.	36	3	9	11	31	16	46	5	14	441	37	8	43	39	11	444	38	13	56	23	8	448
B. They match some of what I have learned.	47	0	0	19	42	17	38	9	20	440	49	7	42	35	16	443	48	8	52	29	10	445
C. They match just a little of what I have learned.	9	0	0	5	56	4	44	0	0	446	9	0	58	26	16	441	10	4	35	39	22	439
D. There is no match.	7	0	0	1	14	4	57	2	29	429	5	0	20	50	30	433	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	35	2	6	15	44	11	32	6	18	441	36	12	48	27	12	445	35	16	55	20	8	449
B. good	46	1	2	17	39	21	48	5	11	442	46	4	43	39	14	442	48	7	52	31	11	445
C. fair	15	0	0	4	29	7	50	3	21	435	14	0	32	50	18	437	14	3	41	38	18	440
D. poor	4	0	0	0	0	2	50	2	50	433	4	0	25	38	38	435	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	15	0	0	4	29	5	36	5	36	436	17	6	26	41	26	437	15	4	38	33	25	439
B. about the same as my regular schoolwork	58	1	2	21	38	25	45	9	16	439	62	6	48	32	14	443	64	10	54	28	9	446
C. easier than my regular schoolwork	27	2	8	11	42	11	42	2	8	444	21	9	37	44	9	444	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	18	0	0	6	35	3	18	8	47	433	17	3	40	29	29	438	23	8	47	29	16	443
B. two or three days a week	40	1	3	15	39	19	50	3	8	443	41	11	44	35	10	445	36	11	54	27	9	447
C. two or three times each month	25	1	4	9	38	11	46	3	13	439	24	2	47	37	14	441	25	10	53	27	10	446
D. never or almost never	18	1	6	6	35	8	47	2	12	442	18	6	36	44	14	441	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	3	0	0	0	0	1	33	2	67	421	3	0	0	29	71	425	5	3	30	33	33	436
B. two or three days a week	9	0	0	3	33	3	33	3	33	432	7	0	27	53	20	435	19	8	50	30	12	445
C. two or three times each month	42	3	8	13	33	20	50	4	10	442	30	10	39	38	13	443	38	11	55	26	8	447
D. never or almost never	46	0	0	20	45	17	39	7	16	441	59	6	49	34	12	444	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	9	0	0	1	11	6	67	2	22	434	13	0	23	50	27	436	8	3	33	38	25	438
B. 30–45 minutes	32	1	3	11	35	14	45	5	16	442	32	3	42	38	17	441	27	6	48	33	13	443
C. 45–60 minutes	46	1	2	22	50	14	32	7	16	441	36	1	53	32	14	442	38	11	54	26	9	447
D. more than 60 minutes	13	1	8	2	17	7	58	2	17	436	19	26	38	31	5	448	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	100	0	0	0	0	1	100	0	0	434	100	0	50	50	0	441						
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 54
School:	Bloomfield 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	5	5	8	4	751	5
	2006-2007	3	3	4	2	963	7
	2007-2008	**2**	**2**	**5**	**2**	**882**	**6**
	Cum. Total*	10	3	17	3	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	40	39	87	43	7251	52
	2006-2007	24	22	67	33	6824	49
	2007-2008	**39**	**41**	**90**	**45**	**7130**	**51**
	Cum. Total*	103	34	244	40	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	42	41	81	40	4514	32
	2006-2007	51	48	92	45	4382	32
	2007-2008	**30**	**31**	**70**	**35**	**4433**	**32**
	Cum. Total*	123	40	243	40	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	16	16	27	13	1458	10
	2006-2007	29	27	40	20	1735	12
	2007-2008	**25**	**26**	**37**	**18**	**1546**	**11**
	Cum. Total*	70	23	104	17	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**	7.1	59.2	7.4	61.7	8.0	66.7
Cluster 2: Physical Sciences	**12**	**25**	6.3	52.5	6.3	52.5	7.2	60.0
Cluster 3: Earth and Space Sciences	**12**	**25**	6.6	55.0	7.0	58.3	7.4	61.7
Cluster 4: Nature and Implications of Science	**12**	**25**	7.0	58.3	7.4	61.7	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 54
School: Bloomfield 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	96	2	2	39	41	30	31	25	26	439	202	2	45	35	18	440	13991	6	51	32	11	444
Ethnicity																						
African American/Black	0										2						385	2	27	35	36	434
American Indian or Native Alaskan	0										0						101	3	44	44	10	441
Asian or Pacific Islander	3										3						262	5	52	28	14	443
Hispanic	1										1						162	2	38	39	21	439
Caucasian/White	92	2	2	37	40	29	32	24	26	439	196	3	44	35	18	440	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	11	0	0	0	0	6	55	5	45	426	41	0	22	49	29	434	2370	2	32	41	25	437
No	85	2	2	39	46	24	28	20	24	440	161	3	50	31	16	442	11621	7	55	30	8	445
Current LEP																						
Yes	2										3						379	1	25	35	39	433
No	94	2	2	38	40	30	32	24	26	439	199	3	45	35	18	441	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	47	0	0	16	34	16	34	15	32	436	104	1	40	38	20	439	5470	3	41	39	18	440
No	49	2	4	23	47	14	29	10	20	442	98	4	49	31	16	442	8521	9	57	27	7	446
Migrant																						
Yes	0										1						5	20	20	40	20	443
No	96	2	2	39	41	30	31	25	26	439	201	2	45	34	18	440	13986	6	51	32	11	444
Gender																						
Female	50	0	0	20	40	15	30	15	30	438	104	2	44	34	20	441	6929	6	49	33	12	443
Male	46	2	4	19	41	15	33	10	22	439	98	3	45	36	16	440	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	14	0	0	2	14	4	29	8	57	429	24	0	17	33	50	431	1888	1	32	44	23	437
No	82	2	2	37	45	26	32	17	21	440	178	3	48	35	14	442	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	96	2	2	39	41	30	31	25	26	439	202	2	45	35	18	440	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 54
School: Bloomfield 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	9	1	11	3	33	2	22	3	33	440	11	9	27	23	41	438	5	4	37	36	22	439
B. less than one hour	67	1	2	23	36	21	33	19	30	438	65	2	45	35	18	440	74	6	53	31	10	444
C. one to two hours	20	0	0	10	53	7	37	2	11	442	21	2	51	40	7	443	18	7	52	32	8	445
D. more than two hours	4	0	0	3	75	0	0	1	25	438	3	0	50	33	17	437	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	4	13	54	4	17	6	25	440	18	3	51	24	22	440	24	9	53	28	10	446
B. They match some of what I have learned.	49	1	2	17	36	18	38	11	23	439	44	2	41	40	17	439	49	6	54	31	9	445
C. They match just a little of what I have learned.	15	0	0	7	50	2	14	5	36	440	25	4	51	25	20	443	21	4	47	36	13	442
D. There is no match.	11	0	0	2	18	6	55	3	27	435	13	0	35	50	15	439	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	32	0	0	15	48	6	19	10	32	439	30	0	48	30	22	440	25	9	53	27	10	446
B. good	50	2	4	20	42	17	35	9	19	441	50	5	49	30	16	442	54	6	55	30	9	445
C. fair	14	0	0	4	31	7	54	2	15	437	17	0	26	62	12	438	19	3	43	40	15	441
D. poor	4	0	0	0	0	0	0	4	100	420	3	0	33	0	67	432	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	18	1	6	3	18	7	41	6	35	433	30	5	34	46	15	440	22	5	45	35	15	442
B. about the same as my regular schoolwork	58	0	0	23	42	16	29	16	29	439	50	1	46	30	22	440	62	7	53	31	9	445
C. easier than my regular schoolwork	24	1	4	12	52	7	30	3	13	443	21	2	56	29	12	442	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	28	1	4	15	56	4	15	7	26	442	14	3	52	14	31	441	24	7	48	33	12	444
B. a few times a week	23	1	5	10	45	5	23	6	27	438	30	7	45	32	17	442	53	7	54	31	9	445
C. once a week	13	0	0	5	42	4	33	3	25	439	17	0	50	38	12	440	9	6	46	33	15	442
D. a few times a month	36	0	0	9	26	17	49	9	26	437	39	0	39	43	18	439	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.	28	0	0	10	37	7	26	10	37	437	18	0	36	36	28	438	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	34	1	3	12	36	13	39	7	21	439	37	1	43	38	18	440	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	23	1	5	12	55	6	27	3	14	444	22	2	51	31	16	442	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	15	0	0	5	36	4	29	5	36	433	23	6	47	32	15	442	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	100	0	0	0	0	0	0	1	100	428	100	0	0	0	100	428						
D.	0										0											

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