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:	12531737
SAU:	MSAD 59
School:	Athens 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.

Topic ***Page***

Summary of Scores 2
Summary of Student Participation 3
English Language Arts – Reading Results 4-6
Mathematics Results. 7-9
Science and Technology Results 10-12

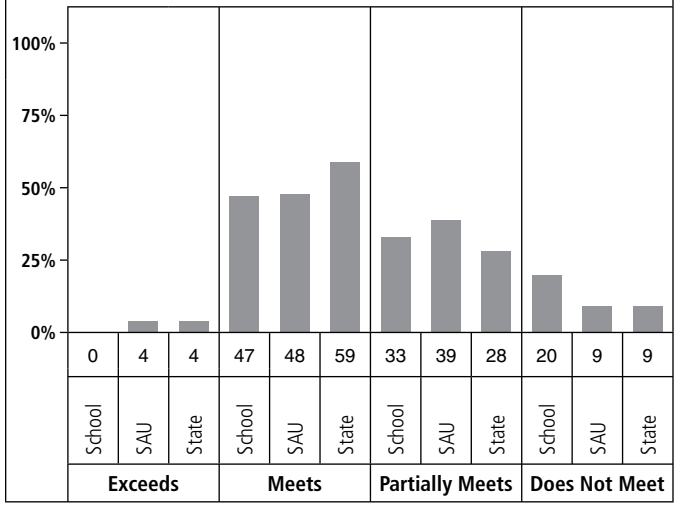
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: MSAD 59
School: Athens Elementary School

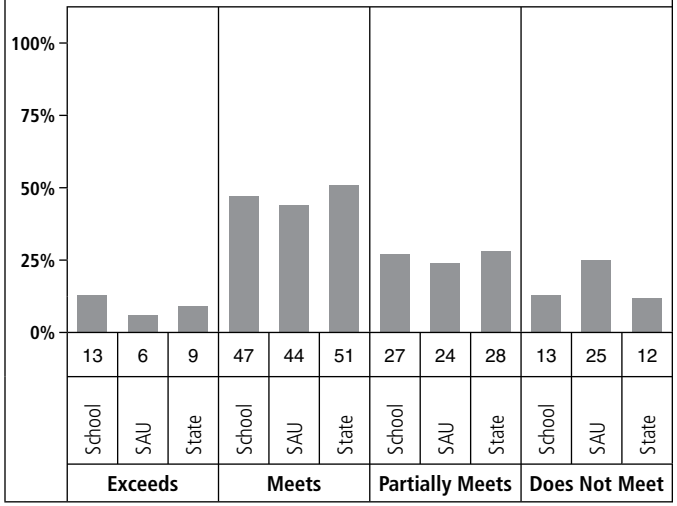
Summary of School, SAU, and State Scores

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

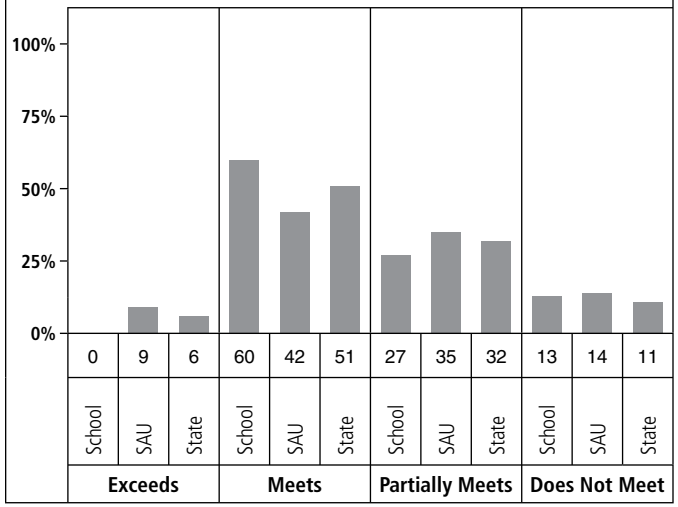
ELA – READING

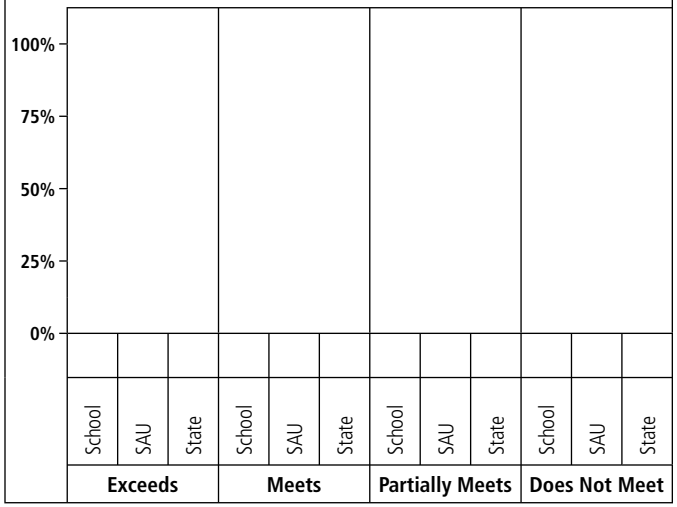


MATHEMATICS



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

Test Date: March 2008
Grade: 4
SAU: MSAD 59
School: Athens 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	16	100	80	100	14207	100	16	100	80	100	14181	100	16	100	80	100	14123	100	16	100	80	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	1	1	101	1	0	0	1	100	101	100	0	0	1	100	101	100	0	0	1	100	101	100						
Asian or Pacific Islander	2	13	3	4	263	2	2	100	3	100	259	98	2	100	3	100	262	100	2	100	3	100	262	100						
Hispanic	0	0	0	0	170	1	0	0	0	0	168	99	0	0	0	0	166	98	0	0	0	0	166	98						
Caucasian/White	14	88	76	95	13282	93	14	100	76	100	13264	100	14	100	76	100	13205	100	14	100	76	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	4	25	15	19	2524	18	4	100	15	100	2514	100	4	100	15	100	2498	99	4	100	15	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	12	75	48	60	5587	39	12	100	48	100	5569	100	12	100	48	100	5538	99	12	100	48	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	13	81	69	86	10755	76	13	81	69	86	10730	76	13	81	69	86	10776	76						
Identified disability (PET/IEP)	1	8	5	7	375	3	1	8	5	7	374	3	1	8	5	7	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	2	13	10	13	3298	23	2	13	10	13	3267	23	2	13	10	13	3215	23						
Identified disability (PET/IEP)	2	100	9	90	2013	61	2	100	9	90	1998	61	2	100	9	90	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	0	0	1	10	1046	32	0	0	1	10	1023	31	0	0	1	10	987	31						
Participation through alternate assessment (PAAP)	1	6	1	1	126	1	1	6	1	1	126	1	1	6	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 59
School:	Athens 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	0	0	2	2	601	4
	2006-2007	0	0	1	1	507	4
	2007-2008	**0**	**0**	**3**	**4**	**559**	**4**
	Cum. Total*	0	0	6	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	8	53	43	51	7910	57
	2006-2007	14	70	40	53	8749	63
	2007-2008	**7**	**47**	**38**	**48**	**8308**	**59**
	Cum. Total*	29	58	121	51	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	5	33	29	35	3970	29
	2006-2007	6	30	25	33	3467	25
	2007-2008	**5**	**33**	**31**	**39**	**3922**	**28**
	Cum. Total*	16	32	85	36	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	2	13	10	12	1421	10
	2006-2007	0	0	9	12	1165	8
	2007-2008	**3**	**20**	**7**	**9**	**1264**	**9**
	Cum. Total*	5	10	26	11	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**	26.1	54.4	27.9	58.1	29.7	61.9
Literary Text	**24**	**50**	13.6	56.7	14.6	60.8	15.5	64.6
Informational Text	**24**	**50**	12.5	52.1	13.3	55.4	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 59
School: Athens 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	15	0	0	7	47	5	33	3	20	440	79	4	48	39	9	442	14053	4	59	28	9	445
Ethnicity																						
African American/Black	0										0						384	1	36	35	28	438
American Indian or Native Alaskan	0										1						101	1	46	44	10	442
Asian or Pacific Islander	2										3						259	6	61	22	11	445
Hispanic	0										0						164	0	45	38	16	440
Caucasian/White	13	0	0	5	38	5	38	3	23	439	75	4	48	40	8	442	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	3										14	0	7	64	29	432	2388	0	29	44	26	437
No	12	0	0	7	58	3	25	2	17	443	65	5	57	34	5	444	11665	5	65	25	6	446
Current LEP																						
Yes	0										0						373	1	32	35	32	436
No	15	0	0	7	47	5	33	3	20	440	79	4	48	39	9	442	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	11	0	0	5	45	3	27	3	27	440	47	2	38	47	13	440	5502	1	47	37	14	441
No	4										32	6	63	28	3	446	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	15	0	0	7	47	5	33	3	20	440	79	4	48	39	9	442	14048	4	59	28	9	445
Gender																						
Female	6	0	0	2	33	2	33	2	33	438	32	6	47	34	13	443	6959	5	61	26	8	446
Male	9	0	0	5	56	3	33	1	11	442	47	2	49	43	6	442	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	3										21	0	33	57	10	439	1890	0	37	46	17	439
No	12	0	0	7	58	3	25	2	17	442	58	5	53	33	9	443	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	15	0	0	7	47	5	33	3	20	440	79	4	48	39	9	442	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 59
School: Athens 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	0										0						5	1	42	36	21	440
B. less than one hour	67	0	0	5	50	4	40	1	10	442	67	6	47	43	4	443	74	4	62	27	7	445
C. one to two hours	13	0	0	2	100	0	0	0	0	450	24	0	68	21	11	443	18	5	59	29	7	446
D. more than two hours	20	0	0	0	0	1	33	2	67	428	9	0	0	57	43	431	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.	7	0	0	1	100	0	0	0	0	448	22	12	41	47	0	446	30	6	63	24	7	446
B. They match some of what I have learned.	40	0	0	4	67	2	33	0	0	445	53	2	57	38	2	444	52	4	63	27	6	446
C. They match just a little of what I have learned.	33	0	0	0	0	3	60	2	40	434	15	0	25	42	33	434	12	2	46	37	15	441
D. There is no match.	20	0	0	2	67	0	0	1	33	440	10	0	50	25	25	440	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	20	0	0	3	100	0	0	0	0	450	24	11	63	16	11	447	35	7	66	20	6	448
B. good	47	0	0	2	29	4	57	1	14	440	48	3	50	45	3	443	51	3	60	29	7	445
C. fair	20	0	0	2	67	0	0	1	33	440	22	0	41	41	18	437	12	1	44	40	16	440
D. poor	13	0	0	0	0	1	50	1	50	428	6	0	0	80	20	434	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	7	0	0	0	0	0	0	1	100	424	21	0	38	56	6	441	19	2	46	34	17	442
B. about the same as my regular schoolwork	60	0	0	3	33	4	44	2	22	438	64	4	45	39	12	441	62	5	64	26	5	446
C. easier than my regular schoolwork	33	0	0	4	80	1	20	0	0	448	16	8	83	8	0	449	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	0	0	1	50	1	50	430	18	0	21	57	21	435	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	27	0	0	2	50	2	50	0	0	443	40	0	52	45	3	443	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	60	0	0	5	56	2	22	2	22	442	42	9	58	24	9	445	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	20	0	0	2	67	0	0	1	33	442	19	7	67	7	20	442	18	7	64	22	7	447
B. 20 minutes to an hour	47	0	0	5	71	2	29	0	0	446	62	2	49	47	2	443	55	4	64	26	6	446
C. less than 20 minutes	0										6	20	60	20	0	448	14	2	53	33	12	443
D. I rarely read at home.	33	0	0	0	0	3	60	2	40	432	13	0	10	60	30	434	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	13	0	0	0	0	0	0	2	100	426	41	6	47	41	6	443	23	3	50	34	13	442
B. six to ten pages	27	0	0	1	25	3	75	0	0	440	22	0	35	41	24	436	25	3	60	29	8	444
C. eleven or more pages	60	0	0	6	67	2	22	1	11	444	38	3	57	37	3	445	52	5	64	24	6	446
Optional school/SAU question																						
A.	100	0	0	0	0	1	100	0	0	440	25	0	0	100	0	440						
B.	0										75	0	0	67	33	435						
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 59
School:	Athens 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	2	13	4	5	1294	9
	2006-2007	0	0	2	3	1054	8
	2007-2008	**2**	**13**	**5**	**6**	**1321**	**9**
	Cum. Total*	4	8	11	5	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	5	33	33	39	7000	50
	2006-2007	9	45	30	40	7394	53
	2007-2008	**7**	**47**	**35**	**44**	**7079**	**51**
	Cum. Total*	21	42	98	41	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	7	47	29	35	3784	27
	2006-2007	8	40	27	36	3729	27
	2007-2008	**4**	**27**	**19**	**24**	**3955**	**28**
	Cum. Total*	19	38	75	32	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	1	7	18	21	1894	14
	2006-2007	3	15	16	21	1735	12
	2007-2008	**2**	**13**	**20**	**25**	**1642**	**12**
	Cum. Total*	6	12	54	23	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	8.5	56.7	9.5	63.3
Cluster 2: Shape and Size	**14**	**29**	8.6	61.4	8.2	58.6	9.1	65.0
Cluster 3: Mathematical Decision Making	**5**	**10**	3.3	66.0	3.1	62.0	3.4	68.0
Cluster 4: Patterns	**14**	**29**	9.5	67.9	8.9	63.6	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 59
School: Athens 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	15	2	13	7	47	4	27	2	13	444	79	6	44	24	25	440	13997	9	51	28	12	445
Ethnicity																						
African American/Black	0										0						386	4	26	34	36	434
American Indian or Native Alaskan	0										1						101	3	46	41	11	442
Asian or Pacific Islander	2										3						262	14	51	23	12	447
Hispanic	0										0						162	4	41	34	21	440
Caucasian/White	13	2	15	5	38	4	31	2	15	443	75	7	44	24	25	440	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	3										14	7	14	21	57	429	2372	3	31	36	30	436
No	12	1	8	6	50	3	25	2	17	442	65	6	51	25	18	443	11625	11	54	27	8	447
Current LEP																						
Yes	0										0						381	4	33	28	35	435
No	15	2	13	7	47	4	27	2	13	444	79	6	44	24	25	440	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	11	2	18	4	36	3	27	2	18	444	47	6	30	28	36	436	5472	5	41	35	19	440
No	4										32	6	66	19	9	446	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	15	2	13	7	47	4	27	2	13	444	79	6	44	24	25	440	13992	9	51	28	12	445
Gender																						
Female	6	1	17	2	33	1	17	2	33	442	32	9	34	31	25	441	6933	9	50	29	12	445
Male	9	1	11	5	56	3	33	0	0	445	47	4	51	19	26	440	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	3										21	0	29	24	48	433	1890	2	34	41	23	438
No	12	2	17	7	58	3	25	0	0	448	58	9	50	24	17	443	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	15	2	13	7	47	4	27	2	13	444	79	6	44	24	25	440	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 59
School: Athens 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	0										0						5	6	34	33	27	438
B. less than one hour	67	0	0	6	60	3	30	1	10	442	67	4	53	25	19	441	74	10	52	28	10	446
C. one to two hours	13	1	50	1	50	0	0	0	0	456	24	11	37	26	26	442	18	10	52	28	10	446
D. more than two hours	20	1	33	0	0	1	33	1	33	440	9	14	0	14	71	427	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.	7	0	0	0	0	1	100	0	0	434	24	5	58	21	16	444	38	13	56	23	8	448
B. They match some of what I have learned.	40	1	17	4	67	0	0	1	17	447	55	5	44	28	23	441	48	8	52	29	10	445
C. They match just a little of what I have learned.	40	0	0	2	33	3	50	1	17	436	15	8	33	25	33	436	10	4	35	39	22	439
D. There is no match.	13	1	50	1	50	0	0	0	0	460	5	25	25	0	50	439	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	33	2	40	1	20	2	40	0	0	450	33	12	50	23	15	444	35	16	55	20	8	449
B. good	33	0	0	4	80	0	0	1	20	442	48	5	42	24	29	439	48	7	52	31	11	445
C. fair	33	0	0	2	40	2	40	1	20	439	15	0	50	25	25	438	14	3	41	38	18	440
D. poor	0										4	0	0	33	67	425	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	13	0	0	1	50	1	50	0	0	442	18	0	21	57	21	435	15	4	38	33	25	439
B. about the same as my regular schoolwork	47	1	14	4	57	1	14	1	14	444	56	7	45	16	32	440	64	10	54	28	9	446
C. easier than my regular schoolwork	40	1	17	2	33	2	33	1	17	443	26	10	60	15	15	444	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	7	0	0	1	100	0	0	0	0	446	9	0	14	29	57	425	23	8	47	29	16	443
B. two or three days a week	33	1	20	1	20	2	40	1	20	443	18	7	36	29	29	439	36	11	54	27	9	447
C. two or three times each month	20	0	0	1	33	1	33	1	33	432	47	3	59	19	19	443	25	10	53	27	10	446
D. never or almost never	40	1	17	4	67	1	17	0	0	449	27	14	33	29	24	441	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	0										3	0	0	0	100	415	5	3	30	33	33	436
B. two or three days a week	7	0	0	1	100	0	0	0	0	444	18	0	50	43	7	440	19	8	50	30	12	445
C. two or three times each month	53	2	25	2	25	2	25	2	25	444	24	11	26	32	32	440	38	11	55	26	8	447
D. never or almost never	40	0	0	4	67	2	33	0	0	443	56	7	52	16	25	441	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	20	0	0	0	0	1	33	2	67	427	10	0	13	50	38	434	8	3	33	38	25	438
B. 30–45 minutes	47	0	0	4	57	3	43	0	0	444	26	5	50	30	15	442	27	6	48	33	13	443
C. 45–60 minutes	27	2	50	2	50	0	0	0	0	456	44	12	38	18	32	440	38	11	54	26	9	447
D. more than 60 minutes	7	0	0	1	100	0	0	0	0	444	21	0	69	19	13	444	26	13	55	23	9	448
Optional school/SAU question																						
A.	100	0	0	1	100	0	0	0	0	446	25	0	100	0	0	446						
B.	0										75	0	0	33	67	420						
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 59
School:	Athens 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	13	4	5	751	5
	2006-2007	0	0	1	1	963	7
	2007-2008	**0**	**0**	**7**	**9**	**882**	**6**
	Cum. Total*	2	4	12	5	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	5	33	40	48	7251	52
	2006-2007	11	55	38	50	6824	49
	2007-2008	**9**	**60**	**33**	**42**	**7130**	**51**
	Cum. Total*	25	50	111	46	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	6	40	33	39	4514	32
	2006-2007	9	45	28	37	4382	32
	2007-2008	**4**	**27**	**28**	**35**	**4433**	**32**
	Cum. Total*	19	38	89	37	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	2	13	7	8	1458	10
	2006-2007	0	0	9	12	1735	12
	2007-2008	**2**	**13**	**11**	**14**	**1546**	**11**
	Cum. Total*	4	8	27	11	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**	8.2	68.3	7.6	63.3	8.0	66.7
Cluster 2: Physical Sciences	**12**	**25**	7.0	58.3	7.6	63.3	7.2	60.0
Cluster 3: Earth and Space Sciences	**12**	**25**	7.3	60.8	7.2	60.0	7.4	61.7
Cluster 4: Nature and Implications of Science	**12**	**25**	7.3	60.8	7.2	60.0	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 59
School: Athens 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	15	0	0	9	60	4	27	2	13	443	79	9	42	35	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										1						101	3	44	44	10	441
Asian or Pacific Islander	2										3						262	5	52	28	14	443
Hispanic	0										0						162	2	38	39	21	439
Caucasian/White	13	0	0	8	62	3	23	2	15	443	75	8	43	36	13	443	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	3										14	0	21	43	36	435	2370	2	32	41	25	437
No	12	0	0	7	58	3	25	2	17	442	65	11	46	34	9	445	11621	7	55	30	8	445
Current LEP																						
Yes	0										0						379	1	25	35	39	433
No	15	0	0	9	60	4	27	2	13	443	79	9	42	35	14	443	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	11	0	0	6	55	3	27	2	18	441	47	9	34	36	21	441	5470	3	41	39	18	440
No	4										32	9	53	34	3	447	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	15	0	0	9	60	4	27	2	13	443	79	9	42	35	14	443	13986	6	51	32	11	444
Gender																						
Female	6	0	0	4	67	1	17	1	17	443	32	9	41	41	9	444	6929	6	49	33	12	443
Male	9	0	0	5	56	3	33	1	11	442	47	9	43	32	17	443	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	3										21	0	29	57	14	436	1888	1	32	44	23	437
No	12	0	0	9	75	2	17	1	8	446	58	12	47	28	14	446	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	15	0	0	9	60	4	27	2	13	443	79	9	42	35	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 59
School: Athens 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	0										0						5	4	37	36	22	439
B. less than one hour	67	0	0	7	70	3	30	0	0	444	67	11	47	32	9	445	74	6	53	31	10	444
C. one to two hours	13	0	0	1	50	1	50	0	0	447	24	5	37	47	11	442	18	7	52	32	8	445
D. more than two hours	20	0	0	1	33	0	0	2	67	435	9	0	14	29	57	431	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.	7	0	0	1	100	0	0	0	0	444	22	24	24	29	24	443	24	9	53	28	10	446
B. They match some of what I have learned.	47	0	0	5	71	1	14	1	14	447	52	5	51	32	12	444	49	6	54	31	9	445
C. They match just a little of what I have learned.	33	0	0	1	20	3	60	1	20	435	20	6	31	50	13	441	21	4	47	36	13	442
D. There is no match.	13	0	0	2	100	0	0	0	0	447	6	0	60	40	0	442	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	14	0	0	2	100	0	0	0	0	452	19	20	47	33	0	450	25	9	53	27	10	446
B. good	57	0	0	3	38	4	50	1	13	440	55	5	40	44	12	441	54	6	55	30	9	445
C. fair	29	0	0	4	100	0	0	0	0	449	24	11	47	16	26	443	19	3	43	40	15	441
D. poor	0										1	0	0	100	0	438	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	7	0	0	0	0	1	100	0	0	434	19	13	27	47	13	443	22	5	45	35	15	442
B. about the same as my regular schoolwork	60	0	0	5	56	3	33	1	11	444	57	5	39	43	14	442	62	7	53	31	9	445
C. easier than my regular schoolwork	33	0	0	4	80	0	0	1	20	442	23	17	67	11	6	449	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	20	0	0	2	67	1	33	0	0	444	13	10	50	30	10	444	24	7	48	33	12	444
B. a few times a week	67	0	0	6	60	2	20	2	20	443	55	14	42	37	7	446	53	7	54	31	9	445
C. once a week	13	0	0	1	50	1	50	0	0	441	14	0	36	27	36	437	9	6	46	33	15	442
D. a few times a month	0										18	0	43	36	21	440	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.	7	0	0	1	100	0	0	0	0	454	15	17	33	25	25	443	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	40	0	0	4	67	2	33	0	0	443	32	0	40	40	20	439	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	27	0	0	1	25	2	50	1	25	439	39	13	42	39	6	446	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	27	0	0	3	75	0	0	1	25	444	14	9	55	27	9	445	22	9	55	26	9	446
Optional school/SAU question																						
A.	100	0	0	1	100	0	0	0	0	444	25	0	100	0	0	444						
B.	0										75	0	0	33	67	429						
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