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: 10071135
SAU: Auburn School Department
School: Fairview 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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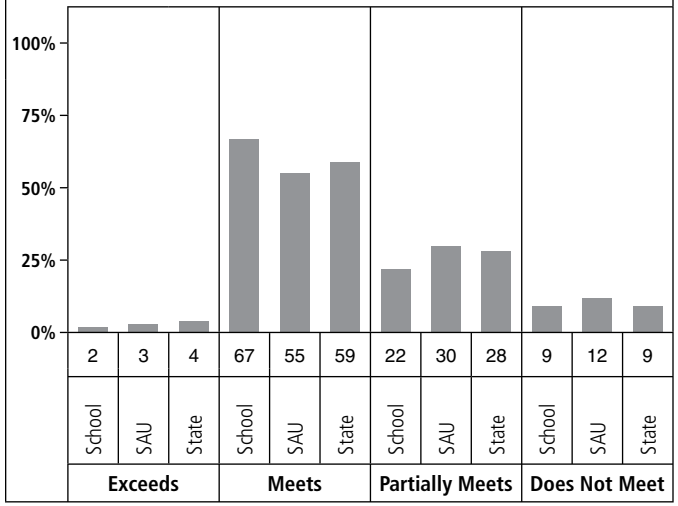
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: Auburn School Department
School: Fairview School

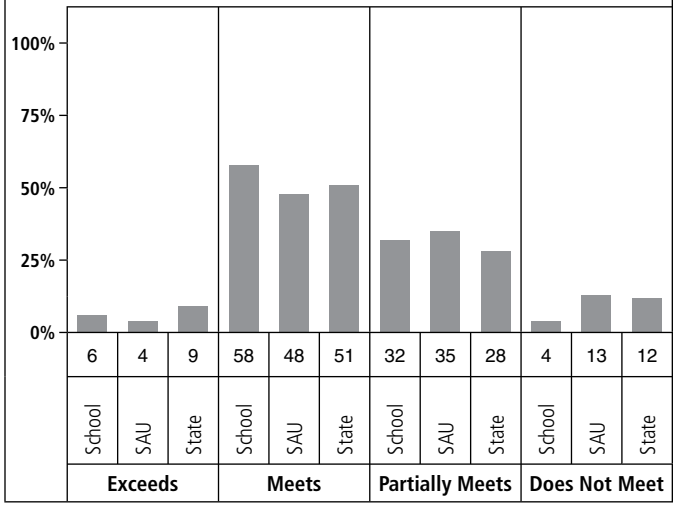
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	445	442	444
2006–2007	448	445	445
2007–2008	**445**	**443**	**445**
Cum. Avg.*	446	443	445
Mathematics			
2005–2006	445	443	444
2006–2007	449	444	445
2007–2008	**447**	**443**	**445**
Cum. Avg.*	447	443	445
Science & Technology			
2005–2006	448	443	444
2006–2007	448	444	444
2007–2008	**446**	**442**	**444**
Cum. Avg.*	447	443	444

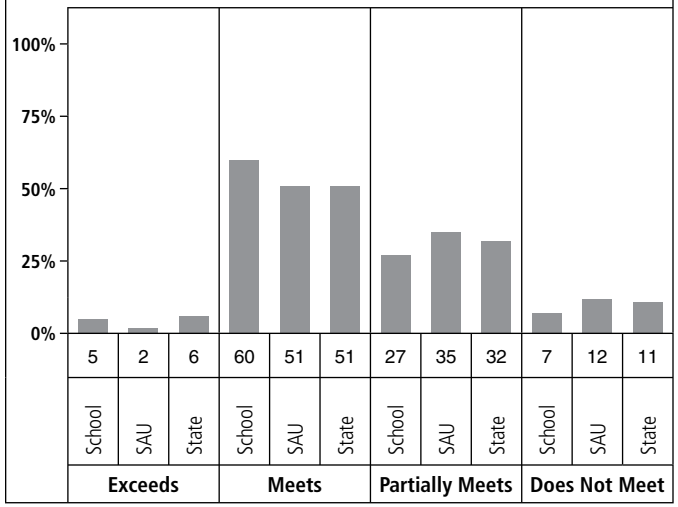
ELA – READING

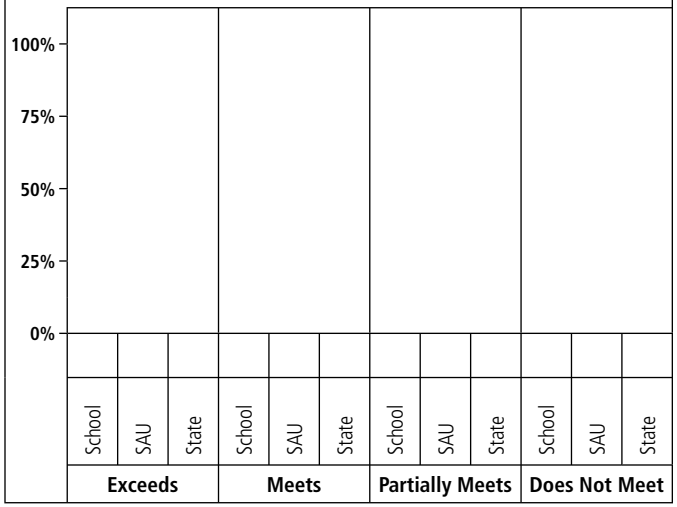


MATHEMATICS



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: Auburn School Department
School: Fairview 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	82	100	267	100	14207	100	82	100	267	100	14181	100	82	100	267	100	14123	100	82	100	267	100	14115	99						
Ethnicity African American/Black	0	0	19	7	390	3	0	0	19	100	388	99	0	0	19	100	388	99	0	0	19	100	386	99						
American Indian or Native Alaskan	1	1	2	1	101	1	1	100	2	100	101	100	1	100	2	100	101	100	1	100	2	100	101	100						
Asian or Pacific Islander	1	1	8	3	263	2	1	100	8	100	259	98	1	100	8	100	262	100	1	100	8	100	262	100						
Hispanic	2	2	7	3	170	1	2	100	7	100	168	99	2	100	7	100	166	98	2	100	7	100	166	98						
Caucasian/White	78	95	231	87	13282	93	78	100	231	100	13264	100	78	100	231	100	13205	100	78	100	231	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	13	16	67	25	2524	18	13	100	67	100	2514	100	13	100	67	100	2498	99	13	100	67	100	2494	99						
Current LEP	0	0	14	5	385	3	0	0	14	100	377	98	0	0	14	100	383	99	0	0	14	100	380	99						
Economically disadvantaged	18	22	118	44	5587	39	18	100	118	100	5569	100	18	100	118	100	5538	99	18	100	118	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	53	65	167	63	10755	76	52	63	167	63	10730	76	53	65	168	63	10776	76						
Identified disability (PET/IEP)	0	0	4	2	375	3	0	0	5	3	374	3	0	0	5	3	384	4						
LEP	0	0	3	2	148	1	0	0	3	2	148	1	0	0	3	2	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	28	34	98	37	3298	23	29	35	98	37	3267	23	28	34	97	36	3215	23						
Identified disability (PET/IEP)	12	43	61	62	2013	61	12	41	60	61	1998	61	12	43	60	62	1986	62						
LEP	0	0	11	11	225	7	0	0	11	11	233	7	0	0	11	11	229	7						
504 plan	1	4	1	1	69	2	1	3	1	1	68	2	1	4	1	1	67	2						
Other	16	57	29	30	1046	32	17	59	30	31	1023	31	16	57	29	30	987	31						
Participation through alternate assessment (PAAP)	1	1	2	1	126	1	1	1	2	1	126	1	1	1	2	1	124	1						
Identified disability (PET/IEP)	1	100	2	100	126	100	1	100	2	100	126	100	1	100	2	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:	Auburn School Department
School:	Fairview 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	3	5	7	3	601	4
	2006-2007	1	2	4	2	507	4
	2007-2008	**2**	**2**	**7**	**3**	**559**	**4**
	Cum. Total*	6	3	18	2	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	40	62	132	52	7910	57
	2006-2007	37	71	136	64	8749	63
	2007-2008	**54**	**67**	**146**	**55**	**8308**	**59**
	Cum. Total*	131	66	414	57	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	20	31	86	34	3970	29
	2006-2007	13	25	65	31	3467	25
	2007-2008	**18**	**22**	**79**	**30**	**3922**	**28**
	Cum. Total*	51	26	230	31	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	3	29	11	1421	10
	2006-2007	1	2	8	4	1165	8
	2007-2008	**7**	**9**	**33**	**12**	**1264**	**9**
	Cum. Total*	10	5	70	10	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**	30.2	62.9	28.4	59.2	29.7	61.9
Literary Text	**24**	**50**	15.9	66.3	14.8	61.7	15.5	64.6
Informational Text	**24**	**50**	14.4	60.0	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: Auburn School Department
School: Fairview 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	81	2	2	54	67	18	22	7	9	445	265	3	55	30	12	443	14053	4	59	28	9	445
Ethnicity																						
African American/Black	0										19	0	42	37	21	439	384	1	36	35	28	438
American Indian or Native Alaskan	1										2						101	1	46	44	10	442
Asian or Pacific Islander	1										8	13	50	25	13	444	259	6	61	22	11	445
Hispanic	2										7	0	71	14	14	444	164	0	45	38	16	440
Caucasian/White	77	2	3	50	65	18	23	7	9	445	229	3	55	30	12	443	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	12	0	0	6	50	4	33	2	17	442	65	0	28	40	32	436	2388	0	29	44	26	437
No	69	2	3	48	70	14	20	5	7	446	200	4	64	27	6	445	11665	5	65	25	6	446
Current LEP																						
Yes	0										14	0	43	36	21	437	373	1	32	35	32	436
No	81	2	2	54	67	18	22	7	9	445	251	3	56	29	12	443	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	17	0	0	9	53	7	41	1	6	442	117	2	46	37	15	441	5502	1	47	37	14	441
No	64	2	3	45	70	11	17	6	9	446	148	3	62	24	10	445	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	81	2	2	54	67	18	22	7	9	445	265	3	55	30	12	443	14048	4	59	28	9	445
Gender																						
Female	43	1	2	30	70	9	21	3	7	446	134	4	61	28	7	445	6959	5	61	26	8	446
Male	38	1	3	24	63	9	24	4	11	444	131	2	49	31	18	441	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										22	0	36	45	18	438	1890	0	37	46	17	439
No	81	2	2	54	67	18	22	7	9	445	243	3	57	28	12	443	12163	5	63	25	8	446
Gifted/talented program																						
Yes	6	2	33	4	67	0	0	0	0	457	12	42	58	0	0	458	266	21	74	4	0	456
No	75	0	0	50	67	18	24	7	9	444	253	1	55	31	13	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: Auburn School Department
School: Fairview 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	4	0	0	2	67	0	0	1	33	442	6	0	33	20	47	434	5	1	42	36	21	440
B. less than one hour	85	2	3	45	66	15	22	6	9	446	78	3	58	29	11	444	74	4	62	27	7	445
C. one to two hours	11	0	0	6	67	3	33	0	0	444	13	3	54	40	3	444	18	5	59	29	7	446
D. more than two hours	0										3	0	29	29	43	437	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.	38	1	3	24	77	5	16	1	3	447	34	3	63	25	9	445	30	6	63	24	7	446
B. They match some of what I have learned.	44	1	3	23	64	8	22	4	11	445	48	3	59	26	12	444	52	4	63	27	6	446
C. They match just a little of what I have learned.	14	0	0	7	64	3	27	1	9	443	13	0	30	52	18	437	12	2	46	37	15	441
D. There is no match.	4	0	0	0	0	2	67	1	33	437	5	0	31	38	31	438	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	53	2	5	29	67	8	19	4	9	447	49	4	62	23	11	445	35	7	66	20	6	448
B. good	41	0	0	23	70	7	21	3	9	444	38	2	59	29	10	443	51	3	60	29	7	445
C. fair	6	0	0	2	40	3	60	0	0	444	11	0	29	50	21	438	12	1	44	40	16	440
D. poor	0										3	0	0	57	43	435	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	25	0	0	11	55	7	35	2	10	443	20	2	43	39	16	442	19	2	46	34	17	442
B. about the same as my regular schoolwork	68	2	4	38	69	11	20	4	7	446	60	4	60	29	7	444	62	5	64	26	5	446
C. easier than my regular schoolwork	7	0	0	5	83	0	0	1	17	445	21	0	56	20	24	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.	16	0	0	7	54	5	38	1	8	442	21	0	26	46	28	438	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	63	1	2	35	69	13	25	2	4	446	52	2	62	31	5	444	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	21	1	6	12	71	0	0	4	24	444	27	6	66	14	14	445	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	16	1	8	11	85	1	8	0	0	450	15	5	62	28	5	445	18	7	64	22	7	447
B. 20 minutes to an hour	72	1	2	37	64	16	28	4	7	445	54	3	61	29	7	445	55	4	64	26	6	446
C. less than 20 minutes	9	0	0	4	57	1	14	2	29	441	17	0	52	33	15	442	14	2	53	33	12	443
D. I rarely read at home.	4	0	0	2	67	0	0	1	33	441	13	0	29	31	40	435	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	15	0	0	6	50	5	42	1	8	442	27	0	41	40	19	439	23	3	50	34	13	442
B. six to ten pages	27	0	0	14	67	6	29	1	5	445	23	2	54	36	8	443	25	3	60	29	8	444
C. eleven or more pages	58	2	4	34	74	5	11	5	11	447	50	5	65	19	11	446	52	5	64	24	6	446
Optional school/SAU question																						
A.	0										29	0	50	50	0	441						
B.	0										14	0	100	0	0	448						
C.	0										43	0	33	67	0	441						
D.	0										14	0	100	0	0	452						

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:	Auburn School Department
School:	Fairview 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	4	6	20	8	1294	9
	2006-2007	5	10	12	6	1054	8
	2007-2008	**5**	**6**	**11**	**4**	**1321**	**9**
	Cum. Total*	14	7	43	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	36	55	132	52	7000	50
	2006-2007	33	63	112	52	7394	53
	2007-2008	**47**	**58**	**128**	**48**	**7079**	**51**
	Cum. Total*	116	58	372	51	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	20	30	60	23	3784	27
	2006-2007	12	23	63	29	3729	27
	2007-2008	**26**	**32**	**92**	**35**	**3955**	**28**
	Cum. Total*	58	29	215	29	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	6	9	44	17	1894	14
	2006-2007	2	4	28	13	1735	12
	2007-2008	**3**	**4**	**34**	**13**	**1642**	**12**
	Cum. Total*	11	6	106	14	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**	10.3	68.7	9.4	62.7	9.5	63.3
Cluster 2: Shape and Size	**14**	**29**	8.7	62.1	8.3	59.3	9.1	65.0
Cluster 3: Mathematical Decision Making	**5**	**10**	3.4	68.0	3.2	64.0	3.4	68.0
Cluster 4: Patterns	**14**	**29**	10.6	75.7	9.6	68.6	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: Auburn School Department
School: Fairview 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	81	5	6	47	58	26	32	3	4	447	265	4	48	35	13	443	13997	9	51	28	12	445
Ethnicity																						
African American/Black	0										19	0	26	32	42	432	386	4	26	34	36	434
American Indian or Native Alaskan	1										2						101	3	46	41	11	442
Asian or Pacific Islander	1										8	0	63	38	0	447	262	14	51	23	12	447
Hispanic	2										7	0	57	29	14	443	162	4	41	34	21	440
Caucasian/White	77	5	6	45	58	24	31	3	4	447	229	5	50	34	11	444	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	12	0	0	6	50	5	42	1	8	443	65	0	31	42	28	436	2372	3	31	36	30	436
No	69	5	7	41	59	21	30	2	3	448	200	6	54	33	8	445	11625	11	54	27	8	447
Current LEP																						
Yes	0										14	0	21	50	29	436	381	4	33	28	35	435
No	81	5	6	47	58	26	32	3	4	447	251	4	50	34	12	443	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	17	1	6	6	35	8	47	2	12	442	117	3	37	41	20	440	5472	5	41	35	19	440
No	64	4	6	41	64	18	28	1	2	449	148	5	57	30	7	445	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	81	5	6	47	58	26	32	3	4	447	265	4	48	35	13	443	13992	9	51	28	12	445
Gender																						
Female	43	2	5	26	60	13	30	2	5	447	134	3	49	37	11	443	6933	9	50	29	12	445
Male	38	3	8	21	55	13	34	1	3	447	131	5	47	33	15	443	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										22	0	27	50	23	435	1890	2	34	41	23	438
No	81	5	6	47	58	26	32	3	4	447	243	5	50	33	12	444	12107	11	53	26	10	446
Gifted/talented program																						
Yes	6	4	67	2	33	0	0	0	0	463	12	50	50	0	0	463	266	45	49	5	0	461
No	75	1	1	45	60	26	35	3	4	446	253	2	48	36	13	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: Auburn School Department
School: Fairview 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	4	0	0	2	67	1	33	0	0	444	6	0	33	33	33	437	5	6	34	33	27	438
B. less than one hour	85	4	6	39	57	22	32	3	4	447	78	4	50	36	11	443	74	10	52	28	10	446
C. one to two hours	11	1	11	5	56	3	33	0	0	449	13	9	46	37	9	445	18	10	52	28	10	446
D. more than two hours	0										3	0	43	14	43	438	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.	41	2	6	23	70	6	18	2	6	448	37	5	57	28	9	445	38	13	56	23	8	448
B. They match some of what I have learned.	46	2	5	21	57	13	35	1	3	447	45	3	49	37	11	443	48	8	52	29	10	445
C. They match just a little of what I have learned.	12	1	10	2	20	7	70	0	0	443	14	6	31	36	28	438	10	4	35	39	22	439
D. There is no match.	1	0	0	1	100	0	0	0	0	454	5	0	25	67	8	440	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	42	4	12	18	53	10	29	2	6	448	35	8	56	27	10	447	35	16	55	20	8	449
B. good	46	0	0	23	62	13	35	1	3	446	48	2	48	38	12	442	48	7	52	31	11	445
C. fair	10	1	13	5	63	2	25	0	0	449	15	5	31	44	21	440	14	3	41	38	18	440
D. poor	2	0	0	1	50	1	50	0	0	447	2	0	40	40	20	439	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	12	1	10	3	30	5	50	1	10	442	15	3	24	50	24	437	15	4	38	33	25	439
B. about the same as my regular schoolwork	73	3	5	41	69	13	22	2	3	449	63	5	57	30	9	446	64	10	54	28	9	446
C. easier than my regular schoolwork	15	1	8	3	25	8	67	0	0	443	22	3	41	41	14	440	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	26	0	0	11	52	8	38	2	10	444	29	1	37	47	15	440	23	8	47	29	16	443
B. two or three days a week	35	4	14	18	64	6	21	0	0	450	30	6	57	27	10	446	36	11	54	27	9	447
C. two or three times each month	14	0	0	8	73	3	27	0	0	448	24	6	54	29	11	445	25	10	53	27	10	446
D. never or almost never	26	1	5	10	48	9	43	1	5	445	17	2	43	39	15	441	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	4	0	0	2	67	1	33	0	0	445	6	0	33	47	20	438	5	3	30	33	33	436
B. two or three days a week	22	0	0	11	61	6	33	1	6	447	21	4	47	35	15	443	19	8	50	30	12	445
C. two or three times each month	42	5	15	21	62	7	21	1	3	450	44	7	55	27	11	445	38	11	55	26	8	447
D. never or almost never	32	0	0	13	50	12	46	1	4	443	29	1	42	45	12	440	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	5	71	1	14	1	14	445	6	0	35	47	18	440	8	3	33	38	25	438
B. 30–45 minutes	35	0	0	18	64	9	32	1	4	448	26	3	56	24	18	444	27	6	48	33	13	443
C. 45–60 minutes	33	4	15	12	44	10	37	1	4	447	25	9	48	37	6	444	38	11	54	26	9	447
D. more than 60 minutes	23	1	5	12	63	6	32	0	0	448	43	3	46	39	12	443	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										29	0	50	0	50	440						
B.	0										14	0	100	0	0	460						
C.	0										43	0	33	33	33	436						
D.	0										14	0	100	0	0	454						

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:	Auburn School Department
School:	Fairview 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	6	9	11	4	751	5
	2006-2007	4	8	15	7	963	7
	2007-2008	**4**	**5**	**6**	**2**	**882**	**6**
	Cum. Total*	14	7	32	4	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	44	66	131	51	7251	52
	2006-2007	31	60	98	46	6824	49
	2007-2008	**49**	**60**	**134**	**51**	**7130**	**51**
	Cum. Total*	124	62	363	49	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	14	21	87	34	4514	32
	2006-2007	14	27	80	38	4382	32
	2007-2008	**22**	**27**	**93**	**35**	**4433**	**32**
	Cum. Total*	50	25	260	35	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	3	4	28	11	1458	10
	2006-2007	3	6	20	9	1735	12
	2007-2008	**6**	**7**	**32**	**12**	**1546**	**11**
	Cum. Total*	12	6	80	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**	8.9	74.2	8.0	66.7	8.0	66.7
Cluster 2: Physical Sciences	**12**	**25**	7.5	62.5	6.9	57.5	7.2	60.0
Cluster 3: Earth and Space Sciences	**12**	**25**	7.8	65.0	7.3	60.8	7.4	61.7
Cluster 4: Nature and Implications of Science	**12**	**25**	7.7	64.2	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: Auburn School Department
School: Fairview 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	81	4	5	49	60	22	27	6	7	446	265	2	51	35	12	442	13991	6	51	32	11	444
Ethnicity																						
African American/Black	0										19	0	16	53	32	435	385	2	27	35	36	434
American Indian or Native Alaskan	1										2						101	3	44	44	10	441
Asian or Pacific Islander	1										8	0	50	38	13	442	262	5	52	28	14	443
Hispanic	2										7	14	43	29	14	442	162	2	38	39	21	439
Caucasian/White	77	2	3	47	61	22	29	6	8	446	229	2	54	34	10	443	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	12	3	25	4	33	4	33	1	8	447	65	5	28	42	26	437	2370	2	32	41	25	437
No	69	1	1	45	65	18	26	5	7	446	200	2	58	33	8	444	11621	7	55	30	8	445
Current LEP																						
Yes	0										14	0	7	71	21	435	379	1	25	35	39	433
No	81	4	5	49	60	22	27	6	7	446	251	2	53	33	12	443	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	17	1	6	8	47	7	41	1	6	445	117	1	41	44	15	440	5470	3	41	39	18	440
No	64	3	5	41	64	15	23	5	8	447	148	3	58	28	10	444	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	81	4	5	49	60	22	27	6	7	446	265	2	51	35	12	442	13986	6	51	32	11	444
Gender																						
Female	43	1	2	27	63	12	28	3	7	446	134	1	49	40	9	442	6929	6	49	33	12	443
Male	38	3	8	22	58	10	26	3	8	447	131	3	52	30	15	443	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										22	0	27	55	18	436	1888	1	32	44	23	437
No	81	4	5	49	60	22	27	6	7	446	243	2	53	33	12	443	12103	7	54	30	9	445
Gifted/talented program																						
Yes	6	0	0	6	100	0	0	0	0	459	12	8	92	0	0	459	266	30	65	5	1	457
No	75	4	5	43	57	22	29	6	8	446	253	2	49	37	13	442	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: Auburn School Department
School: Fairview 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	4	0	0	2	67	1	33	0	0	443	6	0	33	53	13	439	5	4	37	36	22	439
B. less than one hour	85	4	6	40	59	18	26	6	9	447	78	2	51	34	12	443	74	6	53	31	10	444
C. one to two hours	11	0	0	6	67	3	33	0	0	447	13	3	57	34	6	444	18	7	52	32	8	445
D. more than two hours	0										3	0	29	29	43	434	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.	20	1	6	10	63	4	25	1	6	446	28	3	49	37	11	443	24	9	53	28	10	446
B. They match some of what I have learned.	58	3	6	33	70	9	19	2	4	449	48	3	60	31	6	445	49	6	54	31	9	445
C. They match just a little of what I have learned.	20	0	0	6	38	7	44	3	19	440	17	0	35	41	24	438	21	4	47	36	13	442
D. There is no match.	2	0	0	0	0	2	100	0	0	435	7	0	32	37	32	436	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	36	2	7	13	45	9	31	5	17	445	36	3	52	31	14	443	25	9	53	27	10	446
B. good	48	1	3	29	74	8	21	1	3	448	44	2	56	32	9	444	54	6	55	30	9	445
C. fair	12	1	10	6	60	3	30	0	0	446	16	2	38	48	12	440	19	3	43	40	15	441
D. poor	4	0	0	1	33	2	67	0	0	441	4	0	20	50	30	433	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	31	0	0	15	60	8	32	2	8	444	21	0	44	35	22	439	22	5	45	35	15	442
B. about the same as my regular schoolwork	59	3	6	29	62	12	26	3	6	447	63	3	52	36	9	443	62	7	53	31	9	445
C. easier than my regular schoolwork	10	1	13	5	63	1	13	1	13	450	16	2	52	33	12	443	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	66	3	6	31	58	16	30	3	6	447	39	4	53	37	6	445	24	7	48	33	12	444
B. a few times a week	29	1	4	17	74	2	9	3	13	448	55	1	51	33	15	441	53	7	54	31	9	445
C. once a week	4	0	0	0	0	3	100	0	0	435	3	0	14	57	29	436	9	6	46	33	15	442
D. a few times a month	1	0	0	0	0	1	100	0	0	440	3	0	33	33	33	437	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.	16	0	0	5	38	6	46	2	15	441	19	0	38	46	16	439	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	33	2	7	14	52	9	33	2	7	444	36	2	49	38	11	442	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	23	1	5	14	74	3	16	1	5	450	20	4	60	29	8	445	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	27	1	5	16	73	4	18	1	5	451	25	3	55	26	15	444	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										29	0	100	0	0	448						
B.	0										14	0	100	0	0	448						
C.	0										43	0	67	0	33	437						
D.	0										14	0	100	0	0	444						

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