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: 12451689
SAU: MSAD 51
School: North Yarmouth Memorial 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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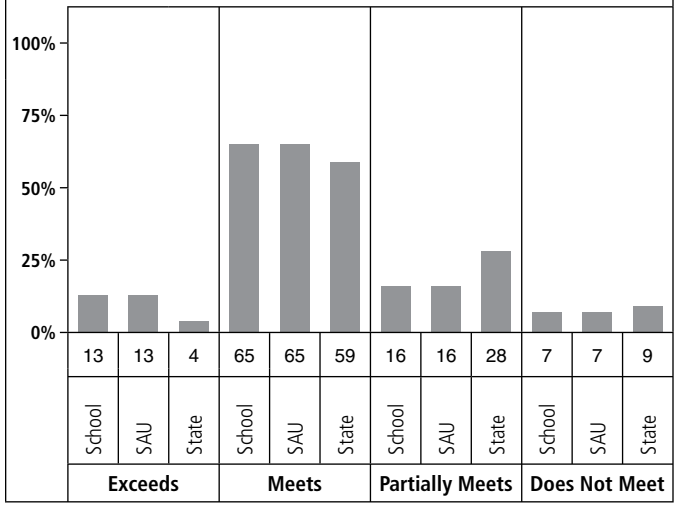
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: MSAD 51
School: North Yarmouth Memorial School

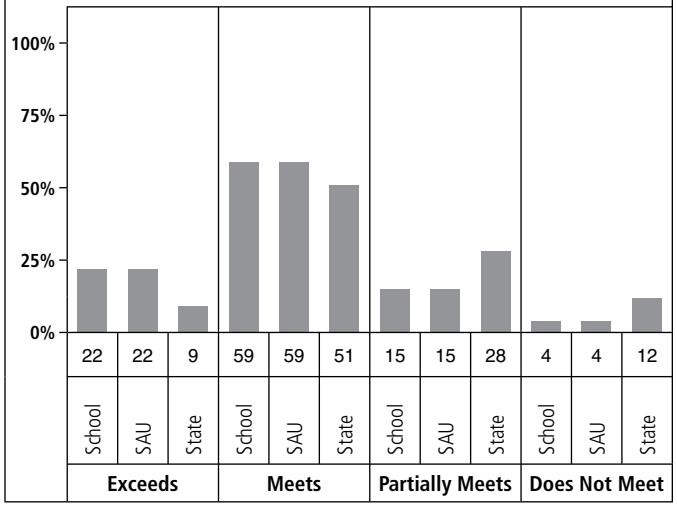
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	450	450	444
2006–2007	451	451	445
2007–2008	**450**	**450**	**445**
Cum. Avg.*	450	450	445
Mathematics			
2005–2006	455	455	444
2006–2007	453	453	445
2007–2008	**453**	**453**	**445**
Cum. Avg.*	454	454	445
Science & Technology			
2005–2006	446	446	444
2006–2007	448	448	444
2007–2008	**447**	**447**	**444**
Cum. Avg.*	447	447	444

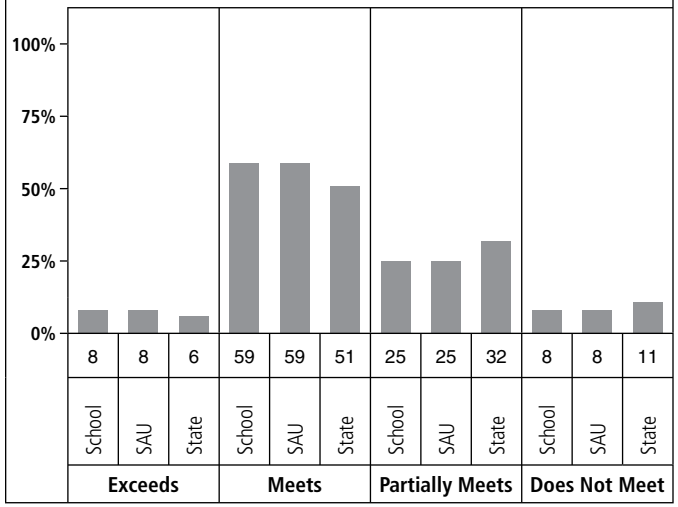
ELA – READING

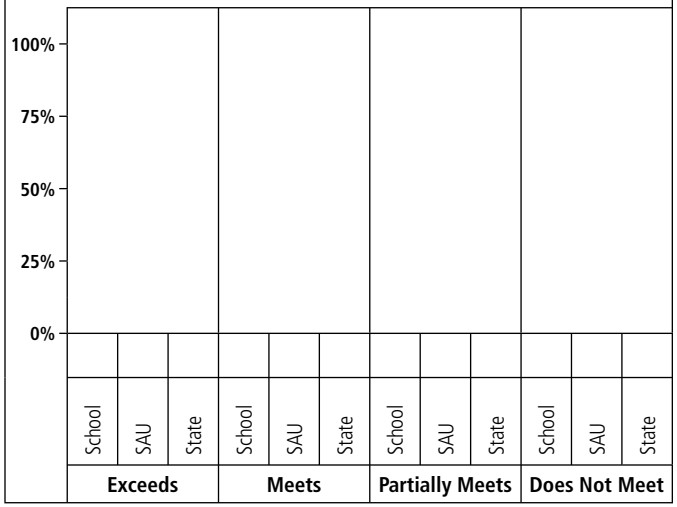


MATHEMATICS



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 51
School: North Yarmouth Memorial 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	187	100	187	100	14207	100	185	99	185	99	14181	100	185	99	185	99	14123	100	185	99	185	99	14115	99						
Ethnicity African American/Black	1	1	1	1	390	3	1	100	1	100	388	99	1	100	1	100	388	99	1	100	1	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	5	3	5	3	263	2	5	100	5	100	259	98	5	100	5	100	262	100	5	100	5	100	262	100						
Hispanic	1	1	1	1	170	1	1	100	1	100	168	99	1	100	1	100	166	98	1	100	1	100	166	98						
Caucasian/White	180	96	180	96	13282	93	178	99	178	99	13264	100	178	99	178	99	13205	100	178	99	178	99	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	27	14	27	14	2524	18	27	100	27	100	2514	100	27	100	27	100	2498	99	27	100	27	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	11	6	11	6	5587	39	11	100	11	100	5569	100	11	100	11	100	5538	99	11	100	11	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	154	82	154	82	10755	76	155	83	155	83	10730	76	155	83	155	83	10776	76						
Identified disability (PET/IEP)	3	2	3	2	375	3	4	3	4	3	374	3	4	3	4	3	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	30	16	30	16	3298	23	29	16	29	16	3267	23	29	16	29	16	3215	23						
Identified disability (PET/IEP)	23	77	23	77	2013	61	22	76	22	76	1998	61	22	76	22	76	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	7	23	7	23	1046	32	7	24	7	24	1023	31	7	24	7	24	987	31						
Participation through alternate assessment (PAAP)	1	1	1	1	126	1	1	1	1	1	126	1	1	1	1	1	124	1						
Identified disability (PET/IEP)	1	100	1	100	126	100	1	100	1	100	126	100	1	100	1	100	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	2	1	2	1	11	0	2	1	2	1	68	0	2	1	2	1	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 51
School:	North Yarmouth Memorial 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	21	12	22	12	601	4
	2006-2007	12	7	12	7	507	4
	2007-2008	**24**	**13**	**24**	**13**	**559**	**4**
	Cum. Total*	57	11	58	11	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	116	67	119	67	7910	57
	2006-2007	140	85	141	85	8749	63
	2007-2008	**119**	**65**	**119**	**65**	**8308**	**59**
	Cum. Total*	375	72	379	72	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	28	16	29	16	3970	29
	2006-2007	9	5	9	5	3467	25
	2007-2008	**29**	**16**	**29**	**16**	**3922**	**28**
	Cum. Total*	66	13	67	13	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	7	4	7	4	1421	10
	2006-2007	4	2	4	2	1165	8
	2007-2008	**12**	**7**	**12**	**7**	**1264**	**9**
	Cum. Total*	23	4	23	4	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**	33.0	68.8	33.0	68.8	29.7	61.9
Literary Text	**24**	**50**	17.2	71.7	17.2	71.7	15.5	64.6
Informational Text	**24**	**50**	15.8	65.8	15.8	65.8	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 51
School: North Yarmouth Memorial 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	184	24	13	119	65	29	16	12	7	450	184	13	65	16	7	450	14053	4	59	28	9	445
Ethnicity																						
African American/Black	1										1						384	1	36	35	28	438
American Indian or Native Alaskan	0										0						101	1	46	44	10	442
Asian or Pacific Islander	5	1	20	4	80	0	0	0	0	456	5	20	80	0	0	456	259	6	61	22	11	445
Hispanic	1										1						164	0	45	38	16	440
Caucasian/White	177	23	13	114	64	28	16	12	7	450	177	13	64	16	7	450	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	26	0	0	4	15	10	38	12	46	435	26	0	15	38	46	435	2388	0	29	44	26	437
No	158	24	15	115	73	19	12	0	0	452	158	15	73	12	0	452	11665	5	65	25	6	446
Current LEP																						
Yes	0										0						373	1	32	35	32	436
No	184	24	13	119	65	29	16	12	7	450	184	13	65	16	7	450	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	11	1	9	6	55	1	9	3	27	440	11	9	55	9	27	440	5502	1	47	37	14	441
No	173	23	13	113	65	28	16	9	5	450	173	13	65	16	5	450	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	184	24	13	119	65	29	16	12	7	450	184	13	65	16	7	450	14048	4	59	28	9	445
Gender																						
Female	97	15	15	64	66	15	15	3	3	451	97	15	66	15	3	451	6959	5	61	26	8	446
Male	87	9	10	55	63	14	16	9	10	448	87	10	63	16	10	448	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1890	0	37	46	17	439
No	184	24	13	119	65	29	16	12	7	450	184	13	65	16	7	450	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	184	24	13	119	65	29	16	12	7	450	184	13	65	16	7	450	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 51
School: North Yarmouth Memorial 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	1	0	0	1	50	0	0	1	50	443	1	0	50	0	50	443	5	1	42	36	21	440
B. less than one hour	80	16	11	95	65	24	16	11	8	449	80	11	65	16	8	449	74	4	62	27	7	445
C. one to two hours	19	7	21	23	68	4	12	0	0	454	19	21	68	12	0	454	18	5	59	29	7	446
D. more than two hours	1	1	100	0	0	0	0	0	0	478	1	100	0	0	0	478	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.	20	5	14	22	59	4	11	6	16	450	20	14	59	11	16	450	30	6	63	24	7	446
B. They match some of what I have learned.	59	11	10	78	73	17	16	1	1	451	59	10	73	16	1	451	52	4	63	27	6	446
C. They match just a little of what I have learned.	17	7	23	16	53	4	13	3	10	450	17	23	53	13	10	450	12	2	46	37	15	441
D. There is no match.	4	0	0	3	43	2	29	2	29	438	4	0	43	29	29	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	26	13	28	31	66	2	4	1	2	457	26	28	66	4	2	457	35	7	66	20	6	448
B. good	61	10	9	79	71	16	14	7	6	449	61	9	71	14	6	449	51	3	60	29	7	445
C. fair	13	1	4	9	39	10	43	3	13	443	13	4	39	43	13	443	12	1	44	40	16	440
D. poor	1	0	0	0	0	0	0	1	100	426	1	0	0	0	100	426	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	18	3	9	22	69	4	13	3	9	451	18	9	69	13	9	451	19	2	46	34	17	442
B. about the same as my regular schoolwork	70	18	14	82	65	19	15	7	6	450	70	14	65	15	6	450	62	5	64	26	5	446
C. easier than my regular schoolwork	13	2	9	15	65	4	17	2	9	449	13	9	65	17	9	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.	9	2	13	3	19	7	44	4	25	440	9	13	19	44	25	440	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	53	8	8	64	67	18	19	6	6	447	53	8	67	19	6	447	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	38	13	19	51	74	3	4	2	3	455	38	19	74	4	3	455	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	11	5	25	15	75	0	0	0	0	457	11	25	75	0	0	457	18	7	64	22	7	447
B. 20 minutes to an hour	78	17	12	94	66	24	17	8	6	450	78	12	66	17	6	450	55	4	64	26	6	446
C. less than 20 minutes	8	2	14	8	57	2	14	2	14	447	8	14	57	14	14	447	14	2	53	33	12	443
D. I rarely read at home.	3	0	0	2	33	2	33	2	33	440	3	0	33	33	33	440	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	8	3	20	7	47	2	13	3	20	448	8	20	47	13	20	448	23	3	50	34	13	442
B. six to ten pages	18	6	18	22	67	4	12	1	3	453	18	18	67	12	3	453	25	3	60	29	8	444
C. eleven or more pages	73	15	11	88	67	22	17	7	5	449	73	11	67	17	5	449	52	5	64	24	6	446
Optional school/SAU question																						
A.	100	0	0	1	100	0	0	0	0	448	100	0	100	0	0	448						
B.	0										0											
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 51
School:	North Yarmouth Memorial 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	51	30	52	29	1294	9
	2006-2007	33	20	33	20	1054	8
	2007-2008	**41**	**22**	**41**	**22**	**1321**	**9**
	Cum. Total*	125	24	126	24	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	93	54	96	54	7000	50
	2006-2007	107	65	108	65	7394	53
	2007-2008	**109**	**59**	**109**	**59**	**7079**	**51**
	Cum. Total*	309	59	313	59	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	24	14	25	14	3784	27
	2006-2007	21	13	21	13	3729	27
	2007-2008	**27**	**15**	**27**	**15**	**3955**	**28**
	Cum. Total*	72	14	73	14	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	4	2	4	2	1894	14
	2006-2007	4	2	4	2	1735	12
	2007-2008	**7**	**4**	**7**	**4**	**1642**	**12**
	Cum. Total*	15	3	15	3	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**	11.7	78.0	11.7	78.0	9.5	63.3
Cluster 2: Shape and Size	**14**	**29**	9.8	70.0	9.8	70.0	9.1	65.0
Cluster 3: Mathematical Decision Making	**5**	**10**	3.8	76.0	3.8	76.0	3.4	68.0
Cluster 4: Patterns	**14**	**29**	10.9	77.9	10.9	77.9	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 51
School: North Yarmouth Memorial 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	184	41	22	109	59	27	15	7	4	453	184	22	59	15	4	453	13997	9	51	28	12	445
Ethnicity																						
African American/Black	1										1						386	4	26	34	36	434
American Indian or Native Alaskan	0										0						101	3	46	41	11	442
Asian or Pacific Islander	5	0	0	5	100	0	0	0	0	455	5	0	100	0	0	455	262	14	51	23	12	447
Hispanic	1										1						162	4	41	34	21	440
Caucasian/White	177	41	23	102	58	27	15	7	4	453	177	23	58	15	4	453	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	26	0	0	14	54	6	23	6	23	442	26	0	54	23	23	442	2372	3	31	36	30	436
No	158	41	26	95	60	21	13	1	1	455	158	26	60	13	1	455	11625	11	54	27	8	447
Current LEP																						
Yes	0										0						381	4	33	28	35	435
No	184	41	22	109	59	27	15	7	4	453	184	22	59	15	4	453	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	11	0	0	6	55	4	36	1	9	443	11	0	55	36	9	443	5472	5	41	35	19	440
No	173	41	24	103	60	23	13	6	3	454	173	24	60	13	3	454	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	184	41	22	109	59	27	15	7	4	453	184	22	59	15	4	453	13992	9	51	28	12	445
Gender																						
Female	97	20	21	56	58	18	19	3	3	452	97	21	58	19	3	452	6933	9	50	29	12	445
Male	87	21	24	53	61	9	10	4	5	455	87	24	61	10	5	455	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1890	2	34	41	23	438
No	184	41	22	109	59	27	15	7	4	453	184	22	59	15	4	453	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	184	41	22	109	59	27	15	7	4	453	184	22	59	15	4	453	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 51
School: North Yarmouth Memorial 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	1	0	0	1	50	0	0	1	50	442	1	0	50	0	50	442	5	6	34	33	27	438
B. less than one hour	80	34	23	84	58	22	15	6	4	453	80	23	58	15	4	453	74	10	52	28	10	446
C. one to two hours	19	7	21	23	68	4	12	0	0	455	19	21	68	12	0	455	18	10	52	28	10	446
D. more than two hours	1	0	0	1	100	0	0	0	0	454	1	0	100	0	0	454	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	18	25	48	66	5	7	2	3	455	41	25	66	7	3	455	38	13	56	23	8	448
B. They match some of what I have learned.	52	20	21	55	59	16	17	3	3	453	52	21	59	17	3	453	48	8	52	29	10	445
C. They match just a little of what I have learned.	7	1	8	5	42	5	42	1	8	445	7	8	42	42	8	445	10	4	35	39	22	439
D. There is no match.	1	1	100	0	0	0	0	0	0	480	1	100	0	0	0	480	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	31	22	39	28	50	3	5	3	5	458	31	39	50	5	5	458	35	16	55	20	8	449
B. good	52	17	18	63	66	13	14	2	2	453	52	18	66	14	2	453	48	7	52	31	11	445
C. fair	15	2	7	17	61	7	25	2	7	447	15	7	61	25	7	447	14	3	41	38	18	440
D. poor	2	0	0	1	25	3	75	0	0	444	2	0	25	75	0	444	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	8	2	14	5	36	7	50	0	0	447	8	14	36	50	0	447	15	4	38	33	25	439
B. about the same as my regular schoolwork	69	24	19	82	66	13	10	6	5	453	69	19	66	10	5	453	64	10	54	28	9	446
C. easier than my regular schoolwork	23	15	36	21	50	5	12	1	2	456	23	36	50	12	2	456	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	34	12	19	39	62	8	13	4	6	452	34	19	62	13	6	452	23	8	47	29	16	443
B. two or three days a week	54	24	24	56	57	15	15	3	3	454	54	24	57	15	3	454	36	11	54	27	9	447
C. two or three times each month	10	4	21	12	63	3	16	0	0	453	10	21	63	16	0	453	25	10	53	27	10	446
D. never or almost never	2	1	33	2	67	0	0	0	0	463	2	33	67	0	0	463	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	1	1	50	0	0	1	50	0	0	453	1	50	0	50	0	453	5	3	30	33	33	436
B. two or three days a week	29	11	21	33	62	5	9	4	8	454	29	21	62	9	8	454	19	8	50	30	12	445
C. two or three times each month	50	23	25	55	60	12	13	1	1	454	50	25	60	13	1	454	38	11	55	26	8	447
D. never or almost never	20	6	16	21	57	8	22	2	5	451	20	16	57	22	5	451	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	1	0	0	1	100	0	0	0	0	446	1	0	100	0	0	446	8	3	33	38	25	438
B. 30–45 minutes	10	0	0	13	72	4	22	1	6	447	10	0	72	22	6	447	27	6	48	33	13	443
C. 45–60 minutes	39	19	27	36	51	13	18	3	4	453	39	27	51	18	4	453	38	11	54	26	9	447
D. more than 60 minutes	51	22	24	59	63	9	10	3	3	455	51	24	63	10	3	455	26	13	55	23	9	448
Optional school/SAU question																						
A.	100	0	0	1	100	0	0	0	0	444	100	0	100	0	0	444						
B.	0										0											
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 51
School:	North Yarmouth Memorial 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	11	6	11	6	751	5
	2006-2007	12	7	12	7	963	7
	2007-2008	**14**	**8**	**14**	**8**	**882**	**6**
	Cum. Total*	37	7	37	7	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	102	59	104	58	7251	52
	2006-2007	103	62	104	63	6824	49
	2007-2008	**109**	**59**	**109**	**59**	**7130**	**51**
	Cum. Total*	314	60	317	60	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	44	25	47	26	4514	32
	2006-2007	43	26	43	26	4382	32
	2007-2008	**46**	**25**	**46**	**25**	**4433**	**32**
	Cum. Total*	133	25	136	26	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	9	16	9	1458	10
	2006-2007	7	4	7	4	1735	12
	2007-2008	**15**	**8**	**15**	**8**	**1546**	**11**
	Cum. Total*	38	7	38	7	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**	8.5	70.8	8.5	70.8	8.0	66.7
Cluster 2: Physical Sciences	**12**	**25**	7.0	58.3	7.0	58.3	7.2	60.0
Cluster 3: Earth and Space Sciences	**12**	**25**	8.2	68.3	8.2	68.3	7.4	61.7
Cluster 4: Nature and Implications of Science	**12**	**25**	8.4	70.0	8.4	70.0	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 51
School: North Yarmouth Memorial 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	184	14	8	109	59	46	25	15	8	447	184	8	59	25	8	447	13991	6	51	32	11	444
Ethnicity																						
African American/Black	1										1						385	2	27	35	36	434
American Indian or Native Alaskan	0										0						101	3	44	44	10	441
Asian or Pacific Islander	5	0	0	4	80	1	20	0	0	446	5	0	80	20	0	446	262	5	52	28	14	443
Hispanic	1										1						162	2	38	39	21	439
Caucasian/White	177	14	8	104	59	44	25	15	8	447	177	8	59	25	8	447	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	26	1	4	9	35	8	31	8	31	437	26	4	35	31	31	437	2370	2	32	41	25	437
No	158	13	8	100	63	38	24	7	4	449	158	8	63	24	4	449	11621	7	55	30	8	445
Current LEP																						
Yes	0										0						379	1	25	35	39	433
No	184	14	8	109	59	46	25	15	8	447	184	8	59	25	8	447	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	11	0	0	5	45	4	36	2	18	440	11	0	45	36	18	440	5470	3	41	39	18	440
No	173	14	8	104	60	42	24	13	8	447	173	8	60	24	8	447	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	184	14	8	109	59	46	25	15	8	447	184	8	59	25	8	447	13986	6	51	32	11	444
Gender																						
Female	97	6	6	59	61	23	24	9	9	446	97	6	61	24	9	446	6929	6	49	33	12	443
Male	87	8	9	50	57	23	26	6	7	448	87	9	57	26	7	448	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1888	1	32	44	23	437
No	184	14	8	109	59	46	25	15	8	447	184	8	59	25	8	447	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	184	14	8	109	59	46	25	15	8	447	184	8	59	25	8	447	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 51
School: North Yarmouth Memorial 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	1	0	0	2	100	0	0	0	0	448	1	0	100	0	0	448	5	4	37	36	22	439
B. less than one hour	80	11	8	85	58	36	25	14	10	447	80	8	58	25	10	447	74	6	53	31	10	444
C. one to two hours	19	3	9	21	62	9	26	1	3	449	19	9	62	26	3	449	18	7	52	32	8	445
D. more than two hours	1	0	0	1	100	0	0	0	0	448	1	0	100	0	0	448	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.	5	0	0	6	60	2	20	2	20	442	5	0	60	20	20	442	24	9	53	28	10	446
B. They match some of what I have learned.	30	4	7	32	58	14	25	5	9	446	30	7	58	25	9	446	49	6	54	31	9	445
C. They match just a little of what I have learned.	55	6	6	62	62	26	26	6	6	447	55	6	62	26	6	447	21	4	47	36	13	442
D. There is no match.	9	4	24	8	47	3	18	2	12	450	9	24	47	18	12	450	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	13	2	9	19	83	0	0	2	9	453	13	9	83	0	9	453	25	9	53	27	10	446
B. good	54	10	10	57	59	23	24	7	7	448	54	10	59	24	7	448	54	6	55	30	9	445
C. fair	32	1	2	31	53	20	34	6	10	443	32	2	53	34	10	443	19	3	43	40	15	441
D. poor	2	1	33	1	33	1	33	0	0	449	2	33	33	33	0	449	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	36	3	5	40	62	17	26	5	8	446	36	5	62	26	8	446	22	5	45	35	15	442
B. about the same as my regular schoolwork	57	9	9	58	56	27	26	10	10	447	57	9	56	26	10	447	62	7	53	31	9	445
C. easier than my regular schoolwork	7	2	15	10	77	1	8	0	0	453	7	15	77	8	0	453	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	12	0	0	11	50	8	36	3	14	441	12	0	50	36	14	441	24	7	48	33	12	444
B. a few times a week	52	7	7	65	69	19	20	3	3	449	52	7	69	20	3	449	53	7	54	31	9	445
C. once a week	8	3	21	6	43	2	14	3	21	446	8	21	43	14	21	446	9	6	46	33	15	442
D. a few times a month	29	4	8	26	50	16	31	6	12	445	29	8	50	31	12	445	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.	21	4	10	20	51	11	28	4	10	446	21	10	51	28	10	446	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	26	3	6	24	50	15	31	6	13	444	26	6	50	31	13	444	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	36	3	5	44	68	14	22	4	6	448	36	5	68	22	6	448	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	16	4	13	20	67	5	17	1	3	451	16	13	67	17	3	451	22	9	55	26	9	446
Optional school/SAU question																						
A.	100	0	0	0	0	1	100	0	0	438	100	0	0	100	0	438						
B.	0										0											
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