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 8

Test Date:	March 2008
Code:	11751429
SAU:	Westbrook School Department
School:	Fred C Wescott 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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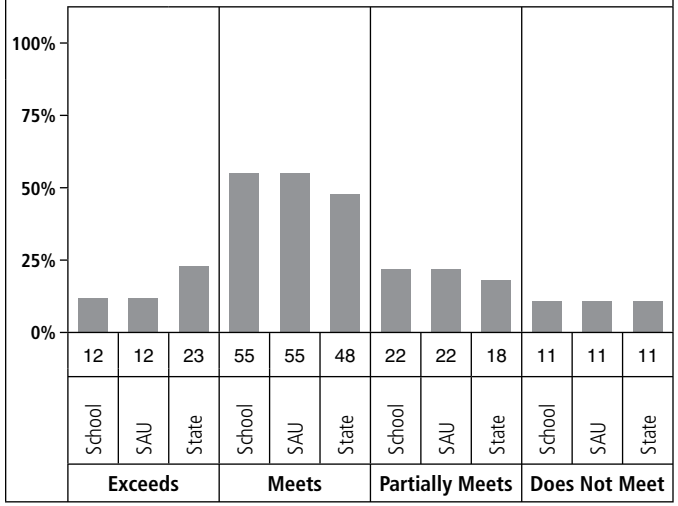
SUMMARY OF SCORES

Test Date:	March 2008
Grade:	8
SAU:	Westbrook School Department
School:	Fred C Wescott School

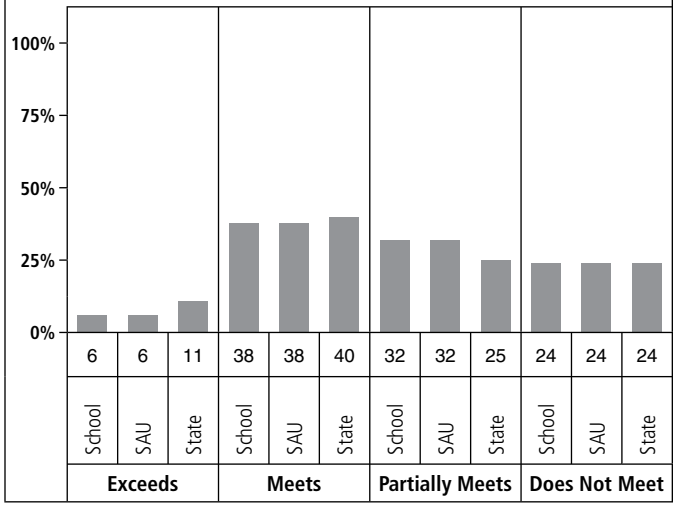
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	844	844	845
2006–2007	843	843	847
2007–2008	**847**	**847**	**849**
Cum. Avg.*	844	844	847
Mathematics			
2005–2006	838	838	840
2006–2007	837	837	842
2007–2008	**838**	**838**	**841**
Cum. Avg.*	838	838	841
Science & Technology			
2005–2006	845	845	846
2006–2007	844	844	847
2007–2008	**846**	**846**	**847**
Cum. Avg.*	845	845	847

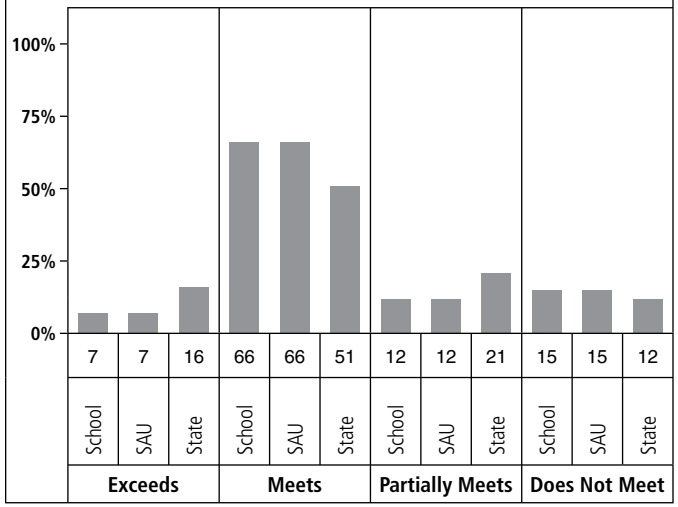
ELA – READING

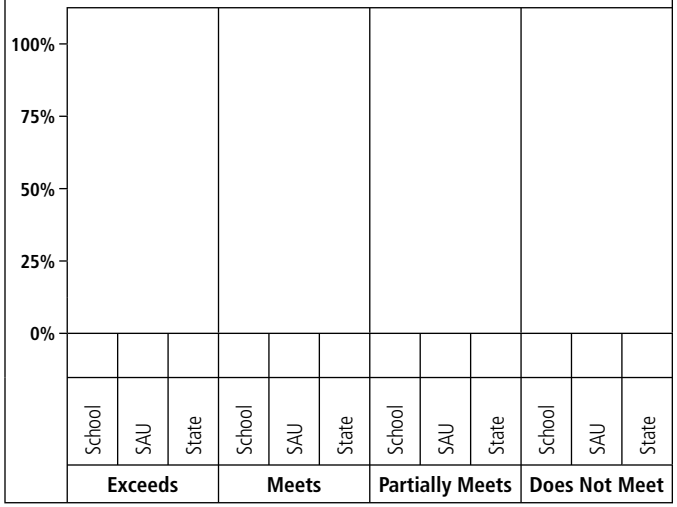


MATHEMATICS



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: 8
SAU: Westbrook School Department
School: Fred C Wescott 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	169	100	169	100	15274	100	166	98	166	98	15102	99	166	98	166	98	15097	99	166	98	166	98	15080	99						
Ethnicity African American/Black	10	6	10	6	368	2	9	90	9	90	356	97	9	90	9	90	360	98	9	90	9	90	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	2	1	2	1	186	1	2	100	2	100	181	97	2	100	2	100	182	98	2	100	2	100	182	98						
Hispanic	2	1	2	1	139	1	2	100	2	100	136	98	2	100	2	100	136	98	2	100	2	100	136	98						
Caucasian/White	155	92	155	92	14461	95	153	99	153	99	14312	99	153	99	153	99	14302	99	153	99	153	99	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	27	16	27	16	2508	16	26	96	26	96	2446	98	26	96	26	96	2441	98	26	96	26	96	2431	98						
Current LEP	3	2	3	2	327	2	3	100	3	100	316	97	3	100	3	100	322	99	3	100	3	100	322	99						
Economically disadvantaged	62	37	62	37	5420	35	62	100	62	100	5329	99	62	100	62	100	5324	99	62	100	62	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	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	134	79	134	79	12703	83	135	80	135	80	12694	83	135	80	135	80	12710	83						
Identified disability (PET/IEP)	2	1	2	1	437	3	2	1	2	1	421	3	2	1	2	1	445	4						
LEP	2	1	2	1	172	1	2	1	2	1	172	1	2	1	2	1	173	1						
504 plan	3	2	3	2	229	2	3	2	3	2	231	2	3	2	3	2	230	2						
Participation with accommodations	31	18	31	18	2221	15	30	18	30	18	2227	15	30	18	30	18	2197	14						
Identified disability (PET/IEP)	23	74	23	74	1832	82	23	77	23	77	1844	83	23	77	23	77	1813	83						
LEP	1	3	1	3	136	6	1	3	1	3	143	6	1	3	1	3	142	6						
504 plan	1	3	1	3	68	3	1	3	1	3	66	3	1	3	1	3	66	3						
Other	6	19	6	19	213	10	5	17	5	17	202	9	5	17	5	17	204	9						
Participation through alternate assessment (PAAP)	1	1	1	1	177	1	1	1	1	1	176	1	1	1	1	1	173	1						
Identified disability (PET/IEP)	1	100	1	100	177	100	1	100	1	100	176	100	1	100	1	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
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	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	3	2	3	2	140	1	3	2	3	2	143	1	3	2	3	2	160	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:	8
SAU:	Westbrook School Department
School:	Fred C Wescott 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 861–880)	2005-2006	28	13	27	13	2695	17
	2006-2007	16	7	16	7	2407	16
	2007-2008	**20**	**12**	**20**	**12**	**3428**	**23**
	Cum. Total*	64	11	63	11	8530	18
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 841–860)	2005-2006	103	47	100	47	6830	42
	2006-2007	96	45	96	44	7494	49
	2007-2008	**90**	**55**	**90**	**55**	**7179**	**48**
	Cum. Total*	289	48	286	48	21503	46
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 829–840)	2005-2006	44	20	44	20	3741	23
	2006-2007	72	33	73	34	3628	24
	2007-2008	**37**	**22**	**37**	**22**	**2706**	**18**
	Cum. Total*	153	25	154	26	10075	22
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 800–828)	2005-2006	46	21	44	20	3003	18
	2006-2007	31	14	31	14	1810	12
	2007-2008	**18**	**11**	**18**	**11**	**1611**	**11**
	Cum. Total*	95	16	93	16	6424	14

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	**56**	**100**	35.5	63.4	35.5	63.4	36.9	65.9
Literary Text	**28**	**50**	17.7	63.2	17.7	63.2	18.3	65.4
Informational Text	**28**	**50**	17.8	63.6	17.8	63.6	18.6	66.4

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: 8
SAU: Westbrook School Department
School: Fred C Wescott 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	165	20	12	90	55	37	22	18	11	847	165	12	55	22	11	847	14924	23	48	18	11	849
Ethnicity																						
African American/Black	9	1	11	3	33	1	11	4	44	839	9	11	33	11	44	839	348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	2										2						179	32	39	18	11	852
Hispanic	2										2						131	18	38	27	17	846
Caucasian/White	152	18	12	85	56	35	23	14	9	847	152	12	56	23	9	847	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	25	0	0	4	16	10	40	11	44	832	25	0	16	40	44	832	2269	3	24	32	42	833
No	140	20	14	86	61	27	19	7	5	850	140	14	61	19	5	850	12655	27	52	16	5	852
Current LEP																						
Yes	3										3						308	8	30	27	34	837
No	162	19	12	90	56	36	22	17	10	847	162	12	56	22	10	847	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	62	7	11	30	48	15	24	10	16	844	62	11	48	24	16	844	5222	12	44	25	19	843
No	103	13	13	60	58	22	21	8	8	848	103	13	58	21	8	848	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	165	20	12	90	55	37	22	18	11	847	165	12	55	22	11	847	14917	23	48	18	11	849
Gender																						
Female	69	14	20	34	49	15	22	6	9	850	69	20	49	22	9	850	7198	30	48	15	7	853
Male	96	6	6	56	58	22	23	12	13	844	96	6	58	23	13	844	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	165	20	12	90	55	37	22	18	11	847	165	12	55	22	11	847	14117	24	49	17	10	850
Gifted/talented program																						
Yes	4										4						592	71	28	1	0	867
No	161	18	11	88	55	37	23	18	11	846	161	11	55	23	11	846	14332	21	49	19	11	849

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: 8
SAU: Westbrook School Department
School: Fred C Wescott School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	2	14	4	29	3	21	5	36	838	9	14	29	21	36	838	9	10	39	24	26	841
B. less than one hour	41	8	12	42	64	11	17	5	8	849	41	12	64	17	8	849	46	20	50	20	11	849
C. one to two hours	46	9	12	40	55	19	26	5	7	848	46	12	55	26	7	848	41	28	49	15	7	852
D. more than two hours	4	0	0	3	43	2	29	2	29	840	4	0	43	29	29	840	5	28	44	15	12	850
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.	39	13	21	30	48	11	17	9	14	848	39	21	48	17	14	848	33	31	48	14	7	853
B. They match some of what I have learned.	51	6	7	53	65	19	23	4	5	848	51	7	65	23	5	848	53	21	51	19	9	849
C. They match just a little of what I have learned.	6	0	0	4	40	4	40	2	20	841	6	0	40	40	20	841	11	14	41	25	20	844
D. There is no match.	3	0	0	2	40	1	20	2	40	836	3	0	40	20	40	836	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	29	10	21	30	64	5	11	2	4	853	29	21	64	11	4	853	31	42	44	8	6	857
B. good	50	8	10	47	59	18	23	7	9	847	50	10	59	23	9	847	49	19	54	19	9	849
C. fair	16	0	0	9	35	10	38	7	27	838	16	0	35	38	27	838	18	5	42	31	22	840
D. poor	4	1	14	3	43	2	29	1	14	842	4	14	43	29	14	842	2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	14	1	4	9	39	6	26	7	30	839	14	4	39	26	30	839	15	16	44	22	18	845
B. about the same as my regular schoolwork	65	16	15	58	56	21	20	9	9	849	65	15	56	20	9	849	65	23	49	18	9	850
C. easier than my regular schoolwork	20	2	6	21	66	8	25	1	3	847	20	6	66	25	3	847	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	6	0	0	2	22	5	56	2	22	837	6	0	22	56	22	837	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	50	8	10	44	56	20	25	7	9	847	50	10	56	25	9	847	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	44	11	16	42	61	9	13	7	10	849	44	16	61	13	10	849	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	46	9	13	34	47	21	29	8	11	847	46	13	47	29	11	847	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	49	10	13	50	65	11	14	6	8	849	49	13	65	14	8	849	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	4	50	2	25	2	25	837	5	0	50	25	25	837	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	19	4	13	14	47	7	23	5	17	847	19	13	47	23	17	847	18	31	47	13	9	852
B. 20 minutes to an hour	38	9	15	32	52	15	25	5	8	848	38	15	52	25	8	848	41	28	49	15	7	852
C. less than 20 minutes	6	1	11	6	67	2	22	0	0	850	6	11	67	22	0	850	13	20	49	18	12	848
D. I rarely read at home.	38	5	8	37	62	11	18	7	12	846	38	8	62	18	12	846	28	12	47	26	16	844
How do you feel about the following statement? ***"My knowledge of reading will be useful to me as an adult."***																						
A. strongly agree	47	12	16	37	49	20	27	6	8	848	47	16	49	27	8	848	43	31	48	14	7	853
B. agree	44	6	9	45	64	12	17	7	10	847	44	9	64	17	10	847	48	18	50	20	12	848
C. disagree	7	1	9	6	55	2	18	2	18	846	7	9	55	18	18	846	6	11	43	24	21	843
D. strongly disagree	3	0	0	1	25	1	25	2	50	830	3	0	25	25	50	830	2	6	36	32	26	839
Optional school/SAU question																						
A.	33	0	0	0	0	0	0	2	100	821	33	0	0	0	100	821						
B.	17	0	0	0	0	0	0	1	100	826	17	0	0	0	100	826						
C.	17	0	0	0	0	1	100	0	0	836	17	0	0	100	0	836						
D.	33	0	0	0	0	2	100	0	0	836	33	0	0	100	0	836						

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:	8
SAU:	Westbrook School Department
School:	Fred C Wescott 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 861–880)	2005-2006	21	9	20	9	1714	11
	2006-2007	14	7	14	6	1952	13
	2007-2008	**10**	**6**	**10**	**6**	**1657**	**11**
	Cum. Total*	45	7	44	7	5323	11
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 841–860)	2005-2006	78	35	77	35	5533	34
	2006-2007	81	38	81	38	5870	38
	2007-2008	**63**	**38**	**63**	**38**	**5956**	**40**
	Cum. Total*	222	37	221	37	17359	37
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 829–840)	2005-2006	60	27	58	27	4764	29
	2006-2007	57	27	57	26	3982	26
	2007-2008	**52**	**32**	**52**	**32**	**3729**	**25**
	Cum. Total*	169	28	167	28	12475	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 800–828)	2005-2006	63	28	62	29	4251	26
	2006-2007	63	29	64	30	3534	23
	2007-2008	**40**	**24**	**40**	**24**	**3579**	**24**
	Cum. Total*	166	28	166	28	11364	24

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	**16**	**29**	8.2	51.3	8.2	51.3	8.4	52.5
Cluster 2: Shape and Size	**14**	**25**	5.2	37.1	5.2	37.1	5.9	42.1
Cluster 3: Mathematical Decision Making	**8**	**14**	4.4	55.0	4.4	55.0	4.6	57.5
Cluster 4: Patterns	**18**	**32**	8.0	44.4	8.0	44.4	8.9	49.4

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: 8
SAU: Westbrook School Department
School: Fred C Wescott 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	165	10	6	63	38	52	32	40	24	838	165	6	38	32	24	838	14921	11	40	25	24	841
Ethnicity																						
African American/Black	9	0	0	2	22	2	22	5	56	825	9	0	22	22	56	825	352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	2										2						181	24	42	20	14	848
Hispanic	2										2						131	7	34	26	33	836
Caucasian/White	152	10	7	60	39	48	32	34	22	839	152	7	39	32	22	839	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	25	0	0	5	20	5	20	15	60	824	25	0	20	20	60	824	2265	1	14	22	62	824
No	140	10	7	58	41	47	34	25	18	841	140	7	41	34	18	841	12656	13	45	26	17	844
Current LEP																						
Yes	3										3						315	5	24	20	51	828
No	162	10	6	62	38	52	32	38	23	838	162	6	38	32	23	838	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	62	1	2	16	26	23	37	22	35	833	62	2	26	37	35	833	5217	5	30	29	37	834
No	103	9	9	47	46	29	28	18	17	842	103	9	46	28	17	842	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	165	10	6	63	38	52	32	40	24	838	165	6	38	32	24	838	14914	11	40	25	24	841
Gender																						
Female	69	6	9	20	29	27	39	16	23	838	69	9	29	39	23	838	7199	11	40	26	23	841
Male	96	4	4	43	45	25	26	24	25	839	96	4	45	26	25	839	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	165	10	6	63	38	52	32	40	24	838	165	6	38	32	24	838	14115	12	41	25	23	842
Gifted/talented program																						
Yes	4										4						592	58	39	2	1	864
No	161	10	6	60	37	51	32	40	25	838	161	6	37	32	25	838	14329	9	40	26	25	840

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: 8
SAU: Westbrook School Department
School: Fred C Wescott School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	1	7	2	14	4	29	7	50	829	9	7	14	29	50	829	9	5	30	23	41	833
B. less than one hour	41	2	3	32	48	18	27	14	21	839	41	3	48	27	21	839	46	10	40	26	25	840
C. one to two hours	46	7	10	27	37	26	36	13	18	841	46	10	37	36	18	841	41	14	42	25	19	843
D. more than two hours	4	0	0	1	14	3	43	3	43	833	4	0	14	43	43	833	5	14	38	23	24	842
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.	35	9	16	22	39	15	27	10	18	843	35	16	39	27	18	843	30	17	43	22	18	845
B. They match some of what I have learned.	44	1	1	30	43	23	33	16	23	838	44	1	43	33	23	838	50	10	42	26	22	841
C. They match just a little of what I have learned.	16	0	0	9	35	9	35	8	31	835	16	0	35	35	31	835	17	6	32	29	33	836
D. There is no match.	4	0	0	1	14	3	43	3	43	830	4	0	14	43	43	830	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	20	9	28	17	53	4	13	2	6	852	20	28	53	13	6	852	26	29	46	14	11	851
B. good	42	1	2	33	50	22	33	10	15	840	42	2	50	33	15	840	45	7	46	27	20	841
C. fair	28	0	0	12	27	17	38	16	36	832	28	0	27	38	36	832	23	1	26	34	38	833
D. poor	9	0	0	0	0	7	47	8	53	825	9	0	0	47	53	825	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	34	0	0	17	31	19	35	18	33	834	34	0	31	35	33	834	34	4	35	28	32	836
B. about the same as my regular schoolwork	47	4	5	32	43	25	33	14	19	839	47	5	43	33	19	839	52	10	43	26	21	842
C. easier than my regular schoolwork	18	6	21	13	45	5	17	5	17	847	18	21	45	17	17	847	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	46	3	4	29	40	22	31	18	25	839	46	4	40	31	25	839	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	48	7	9	31	41	23	31	14	19	840	48	9	41	31	19	840	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	6	0	0	2	20	4	40	4	40	830	6	0	20	40	40	830	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	4	0	0	2	33	1	17	3	50	830	4	0	33	17	50	830	9	6	38	27	29	837
B. two or three days a week	6	0	0	4	44	2	22	3	33	834	6	0	44	22	33	834	16	8	38	27	27	839
C. two or three times each month	23	0	0	16	44	10	28	10	28	836	23	0	44	28	28	836	28	12	41	27	21	843
D. never or almost never	68	10	9	40	37	37	34	21	19	841	68	9	37	34	19	841	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	29	5	11	16	35	16	35	9	20	841	29	11	35	35	20	841	38	14	42	23	21	843
B. two or three times a week	38	2	3	29	48	15	25	15	25	839	38	3	48	25	25	839	33	10	41	26	23	841
C. two or three times each month	11	3	18	5	29	7	41	2	12	845	11	18	29	41	12	845	18	10	36	27	27	840
D. never or almost never	22	0	0	12	34	12	34	11	31	833	22	0	34	34	31	833	11	7	34	26	33	836
How do you feel about the following statement? ***"My knowledge of mathematics will be useful to me as an adult."***																						
A. strongly agree	57	6	7	41	46	27	30	16	18	842	57	7	46	30	18	842	54	14	44	23	18	844
B. agree	35	4	7	17	31	18	33	16	29	834	35	7	31	33	29	834	38	8	36	27	28	838
C. disagree	6	0	0	3	30	4	40	3	30	836	6	0	30	40	30	836	6	6	31	28	36	835
D. strongly disagree	3	0	0	1	25	1	25	2	50	834	3	0	25	25	50	834	2	3	23	25	49	831
Optional school/SAU question																						
A.	33	0	0	0	0	1	50	1	50	829	33	0	0	50	50	829						
B.	17	0	0	0	0	0	0	1	100	800	17	0	0	0	100	800						
C.	17	0	0	0	0	1	100	0	0	836	17	0	0	100	0	836						
D.	33	0	0	0	0	0	0	2	100	828	33	0	0	0	100	828						

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:	8
SAU:	Westbrook School Department
School:	Fred C Wescott 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 861–880)	2005-2006	18	8	18	8	1879	12
	2006-2007	20	9	20	9	2192	14
	2007-2008	**12**	**7**	**12**	**7**	**2371**	**16**
	Cum. Total*	50	8	50	8	6442	14
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 841–860)	2005-2006	120	54	116	54	8604	53
	2006-2007	111	52	111	51	7916	52
	2007-2008	**109**	**66**	**109**	**66**	**7630**	**51**
	Cum. Total*	340	57	336	56	24150	52
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 831–840)	2005-2006	47	21	46	21	3618	22
	2006-2007	43	20	43	20	3340	22
	2007-2008	**19**	**12**	**19**	**12**	**3175**	**21**
	Cum. Total*	109	18	108	18	10133	22
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 800–830)	2005-2006	36	16	36	17	2174	13
	2006-2007	41	19	42	19	1865	12
	2007-2008	**25**	**15**	**25**	**15**	**1731**	**12**
	Cum. Total*	102	17	103	17	5770	12

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	**14**	**25**	7.4	52.9	7.4	52.9	8.1	57.9
Cluster 2: Physical Sciences	**14**	**25**	8.1	57.9	8.1	57.9	7.3	52.1
Cluster 3: Earth and Space Sciences	**14**	**25**	6.8	48.6	6.8	48.6	7.7	55.0
Cluster 4: Nature and Implications of Science	**14**	**25**	8.3	59.3	8.3	59.3	8.5	60.7

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: 8
SAU: Westbrook School Department
School: Fred C Wescott 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	165	12	7	109	66	19	12	25	15	846	165	7	66	12	15	846	14907	16	51	21	12	847
Ethnicity																						
African American/Black	9	0	0	5	56	0	0	4	44	838	9	0	56	0	44	838	349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	2										2						181	20	50	15	15	849
Hispanic	2										2						131	5	50	22	23	842
Caucasian/White	152	12	8	103	68	16	11	21	14	846	152	8	68	11	14	846	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	25	1	4	7	28	6	24	11	44	834	25	4	28	24	44	834	2258	3	29	31	37	836
No	140	11	8	102	73	13	9	14	10	848	140	8	73	9	10	848	12649	18	55	20	7	850
Current LEP																						
Yes	3										3						315	4	29	25	42	834
No	162	12	7	108	67	19	12	23	14	846	162	7	67	12	14	846	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	62	1	2	36	58	10	16	15	24	841	62	2	58	16	24	841	5206	8	45	28	20	842
No	103	11	11	73	71	9	9	10	10	848	103	11	71	9	10	848	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	165	12	7	109	66	19	12	25	15	846	165	7	66	12	15	846	14900	16	51	21	12	847
Gender																						
Female	69	7	10	44	64	4	6	14	20	845	69	10	64	6	20	845	7196	14	52	23	12	847
Male	96	5	5	65	68	15	16	11	11	846	96	5	68	16	11	846	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	165	12	7	109	66	19	12	25	15	846	165	7	66	12	15	846	14103	16	52	21	11	848
Gifted/talented program																						
Yes	4										4						592	63	35	1	0	865
No	161	11	7	106	66	19	12	25	16	845	161	7	66	12	16	845	14315	14	52	22	12	847

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: 8
SAU: Westbrook School Department
School: Fred C Wescott School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	2	14	3	21	1	7	8	57	835	9	14	21	7	57	835	9	10	40	26	23	842
B. less than one hour	41	3	5	48	73	11	17	4	6	847	41	5	73	17	6	847	46	14	52	22	12	847
C. one to two hours	46	7	10	54	74	6	8	6	8	848	46	10	74	8	8	848	41	19	53	19	9	849
D. more than two hours	4	0	0	3	43	1	14	3	43	837	4	0	43	14	43	837	5	19	47	21	14	848
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.	35	4	7	39	70	8	14	5	9	847	35	7	70	14	9	847	29	19	54	19	9	849
B. They match some of what I have learned.	45	8	11	50	69	8	11	6	8	849	45	11	69	11	8	849	49	16	51	22	11	848
C. They match just a little of what I have learned.	14	0	0	14	64	2	9	6	27	841	14	0	64	9	27	841	18	13	51	23	13	846
D. There is no match.	6	0	0	4	44	1	11	4	44	837	6	0	44	11	44	837	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	19	3	10	23	77	3	10	1	3	851	19	10	77	10	3	851	23	28	51	13	8	853
B. good	51	9	11	57	70	8	10	7	9	849	51	11	70	10	9	849	54	15	55	21	9	848
C. fair	25	0	0	23	58	6	15	11	28	840	25	0	58	15	28	840	20	5	45	32	18	842
D. poor	5	0	0	4	50	2	25	2	25	838	5	0	50	25	25	838	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	25	2	5	20	51	7	18	10	26	843	25	5	51	18	26	843	27	15	49	22	14	846
B. about the same as my regular schoolwork	63	9	9	74	74	9	9	8	8	848	63	9	74	9	8	848	59	15	53	22	10	848
C. easier than my regular schoolwork	12	1	5	12	63	3	16	3	16	845	12	5	63	16	16	845	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	40	4	6	46	73	5	8	8	13	847	40	6	73	8	13	847	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	57	8	9	58	64	12	13	12	13	846	57	9	64	13	13	846	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	4	0	0	3	50	2	33	1	17	839	4	0	50	33	17	839	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	32	4	8	39	78	2	4	5	10	849	32	8	78	4	10	849	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	24	4	11	24	65	6	16	3	8	849	24	11	65	16	8	849	24	18	53	20	10	849
C. the course(s) described in B, plus physics	15	3	13	15	65	2	9	3	13	847	15	13	65	9	13	847	22	30	47	14	8	853
D. a life science and physical science class	30	1	2	27	57	9	19	10	21	841	30	2	57	19	21	841	29	8	52	27	14	844
How do you feel about the following statement? ***"My knowledge of science and technology will be useful to me as an adult."***																						
A. strongly agree	24	5	13	25	66	5	13	3	8	850	24	13	66	13	8	850	27	23	51	17	9	851
B. agree	59	7	7	63	67	13	14	11	12	846	59	7	67	14	12	846	54	15	53	21	11	847
C. disagree	14	0	0	17	74	1	4	5	22	843	14	0	74	4	22	843	15	10	50	26	14	845
D. strongly disagree	3	0	0	2	50	0	0	2	50	832	3	0	50	0	50	832	4	7	39	30	24	841
How well does the following statement reflect your future goals? ***"I am interested in a career related to science, technology, engineering, or mathematics."***																						
A. strongly agree	27	5	12	25	60	7	17	5	12	848	27	12	60	17	12	848	25	24	52	15	8	851
B. agree	37	3	5	45	76	4	7	7	12	847	37	5	76	7	12	847	37	15	50	22	12	847
C. disagree	25	2	5	25	63	5	13	8	20	844	25	5	63	13	20	844	26	12	53	23	12	846
D. strongly disagree	11	2	12	12	71	2	12	1	6	847	11	12	71	12	6	847	12	8	48	28	15	844
Optional school/SAU question																						
A.	33	0	0	0	0	2	100	0	0	840	33	0	0	100	0	840						
B.	17	0	0	0	0	0	0	1	100	816	17	0	0	0	100	816						
C.	17	0	0	0	0	0	0	1	100	818	17	0	0	0	100	818						
D.	33	0	0	0	0	0	0	2	100	824	33	0	0	0	100	824						

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