



July 2006

DEPARTMENT OF EDUCATION

2005–2006 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. The MEA has been based on the *Learning Results* and administered to students in grades 4 and 8 to meet state assessment requirements since 1998. For the first time this year, it was administered to students in all grades 3 through 8 and aligned to Grade Level Expectations to meet the requirements of the federal No Child Left Behind Act.

Due to those changes, it was necessary to set new standards this year. These new achievement standards will be used to establish a baseline to which future scores for both groups of students and individuals can be compared. The standards are the result of a comprehensive process approved by advisory committees and informed by Maine teachers. They will stay in place until the current Maine *Learning Results* are revised according to statute, and future assessments are aligned to the revised *Learning Results*. At such time, the standard-setting process will be conducted again.

The 2005–2006 MEA Summary Reports contain the baseline status results of student performance in reading, mathematics, and science and technology reported according to the new standards 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. Student 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. 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



School Report Grade 7

ID: 11331342
School: Bruce M Whittier Middle School
District: Poland School Department
Date: March 2006

Contents of the Report

The report is divided into four main sections including a section describing the students tested and a separate section for the results in each content area.

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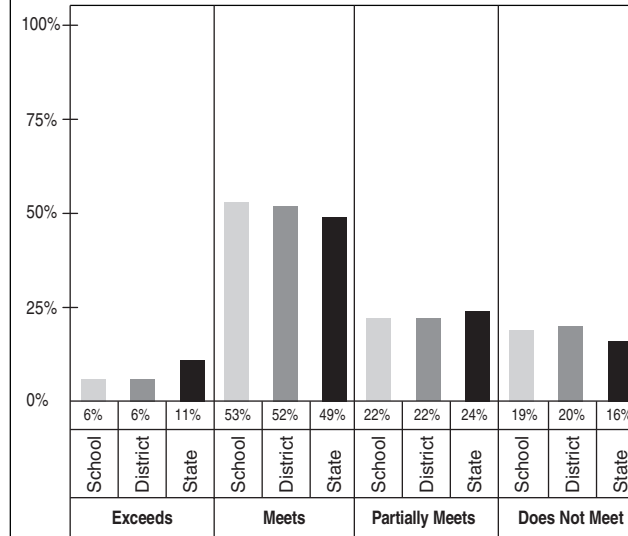
SUMMARY OF SCORES

School: Bruce M Whittier Middle School
 District: Poland School Department
 Grade: 7
 Date: March 2006

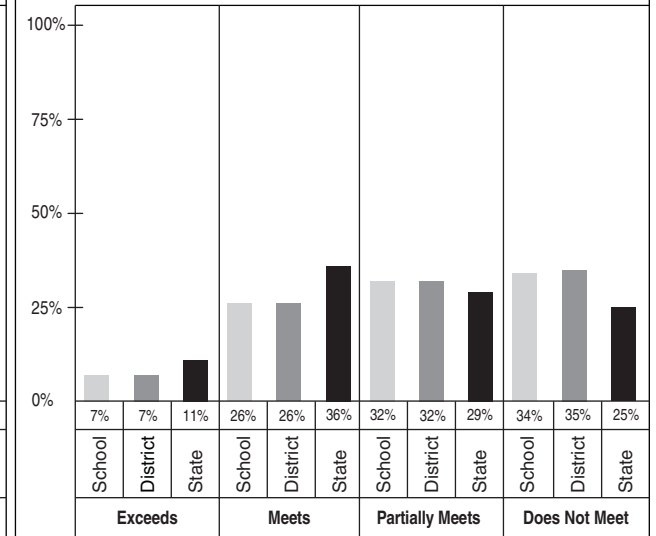
Summary of District, School and State Scores

Year	Average Scaled Score		
	School	District	State
ELA-READING 2005-2006	742	741	745
MATHEMATICS 2005-2006	734	733	740

ELA-READING



MATHEMATICS





SUMMARY OF STUDENT PARTICIPATION

School: Bruce M Whittier Middle School
 District: Poland School Department
 Grade: 7
 Date: March 2006

CONTENT AREA PARTICIPATION²

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window					
	School		District		State	
	n	%	n	%	n	%
Total number of students	69	100	70	100	15803	100
Ethnicity						
African American/Black	0	0	0	0	317	2
American Indian/Native Alaskan	0	0	0	0	112	1
Asian/Pacific Islander	0	0	0	0	181	1
Caucasian/White	68	99	69	99	15025	95
Hispanic	1	1	1	1	155	1
Not Reported	0	0	0	0	13	0
Identified disability	1	1	2	3	2564	16
Current LEP	0	0	0	0	268	2
Economically disadvantaged	21	30	21	30	5627	36
Migrant	0	0	0	0	24	0

ELA-Reading			Mathematics												
School		District	State		School		District	State		School		District	State		
n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
68	99	69	99	15617	99	68	99	69	99	15612	99				
0		0		310	98	0		0		311	98				
0		0		109	97	0		0		110	98				
0		0		175	97	0		0		177	98				
67	99	68	99	14860	99	67	99	68	99	14849	99				
1	100	1	100	150	97	1	100	1	100	152	98				
0		0		13	100	0		0		13	100				
1	100	2	100	2482	97	1	100	2	100	2476	97				
0		0		256	96	0		0		264	99				
21	100	21	100	5526	98	21	100	21	100	5523	98				
0		0		24	100	0		0		24	100				

MODE OF PARTICIPATION³

MODE OF PARTICIPATION ³	ELA-Reading			Mathematics												
	School		District	State		School		District	State		School		District	State		
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Students who took the assessment without accommodations	57	84	57	83	13199	85	57	84	57	83	13211	85				
Identified disability (PET/IEP)	0	0	0	0	541	4	0	0	0	0	542	4				
LEP	0	0	0	0	144	1	0	0	0	0	144	1				
504 plan	0	0	0	0	149	1	0	0	0	0	149	1				
Students who took the assessment with accommodations	11	16	12	17	2263	14	11	16	12	17	2243	14				
Identified disability (PET/IEP)	1	9	2	17	1796	79	1	9	2	17	1784	80				
LEP	0	0	0	0	105	5	0	0	0	0	114	5				
504 plan	0	0	0	0	31	1	0	0	0	0	30	1				
Other	10	91	10	83	356	16	10	91	10	83	339	15				
Students who would have participated through a PAAP if one had been available	0	0	0	0	155	1	0	0	0	0	158	1				
Identified disability (PET/IEP)	0		0		145	94	0		0		150	95				
LEP	0		0		7	5	0		0		6	4				
504 plan	0		0		0	0	0		0		0	0				

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 who participated with each mode of participation.



ELA-READING RESULTS

School: Bruce M Whittier Middle School
 District: Poland School Department
 Grade: 7
 Date: March 2006

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		District		State	
		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 761-780)		2005–2006	4	6	4	6	11
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 741-760)		2005–2006	36	53	36	52	49
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 729-740)		2005–2006	15	22	15	22	24
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 700-728)		2005–2006	13	19	14	20	16

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		District		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	33.0	58.9	32.8	58.6	34.8	62.1
Literary Text	28	50	17.5	62.5	17.3	61.8	18.6	66.4
Informational Text	28	50	15.5	55.4	15.4	55.0	16.2	57.9

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 authentic texts, selected from developmentally appropriate published works. Grade Level Expectations, based on Maine's *Learning Results*, are the basis for the MEA at grades 3, 5, 6, and 7 and can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

School: Bruce M Whittier Middle School
 District: Poland School Department
 Grade: 7
 Date: March 2006

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		District		State	
		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 761-780)		2005–2006	5	7	5	7	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 741-760)		2005–2006	18	26	18	26	36
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 727-740)		2005–2006	22	32	22	32	29
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 700-726)		2005–2006	23	34	24	35	25

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
	N	%	School		District		State	
			N	%	N	%	N	%
Cluster 1: Numbers and Operations	19	34	8.4	44.2	8.3	43.7	9.4	49.5
Cluster 2: Shape and Size	14	25	5.1	36.4	5.1	36.4	6.3	45.0
Cluster 3: Mathematical Decision Making	8	14	4.3	53.8	4.2	52.5	4.8	60.0
Cluster 4: Patterns	15	27	6.4	42.7	6.3	42.0	7.4	49.3

Cluster 1: Numbers and Operations
 A. Numbers and Number Sense
 B. Computation
 I. Discrete Mathematics

Cluster 2: Shape and Size
 E. Geometry
 F. Measurement

Cluster 3: Mathematical Decision Making
 C. Data Analysis and Statistics
 D. Probability
 J. Mathematical Reasoning

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 *Learning Results*. Grade Level Expectations, based on Maine's *Learning Results*, are the basis for the MEA at grades 3, 5, 6, and 7 and can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

School: Bruce M Whittier Middle School
 District: Poland School Department
 Grade: 7
 Date: March 2006

Reporting Categories	School					State					Questionnaire Items	Sch.		State		
	% Students in Each Category	Scaled Score	% Exceeds or Meets the Standards	% Partially Meets the Standards	% Does Not Meet the Standards	% Students in Each Category	Scaled Score	% Exceeds or Meets the Standards	% Partially Meets the Standards	% Does Not Meet the Standards		% Students in Each Category	% Students in Each Category	Scaled Score	% Exceeds or Meets the Standards	% Does Not Meet the Standards
Gender																
Female	46	734	35	29	35	49	739	45	30	24	Do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?					
Male	54	733	32	35	32	51	740	47	28	25						
Ethnicity											A. Yes, the questions on the test match what I have learned in mathematics class.	28	27	745	58	18
African American/Black						2	731	27	34	39						
American Indian/Native Alaskan						1	729	24	28	48	B. Yes, they match some of what I have learned.	56	46	741	49	21
Asian/Pacific Islander						1	743	55	25	20						
Caucasian/White	99	733	34	31	34	95	740	47	29	24	C. Yes, they match just a little of what I have learned.	15	21	734	33	32
Hispanic						1	736	37	28	35						
Not Reported						0	734	38	31	31	D. No, there is no match.	1	6	726	19	54
Economically disadvantaged																
Yes	31	724	14	29	57	35	733	32	32	37	Which of the following best describes how you rate yourself as a student in mathematics?	22	22	751	73	11
No	69	738	43	34	23	65	743	54	28	18						
Title 1A targeted program											A. very good	51	46	741	51	20
Yes						5	732	25	37	39						
No	100	734	34	32	34	95	740	47	29	24	B. good	24	27	732	26	36
Migrant																
Yes						0	737	25	33	42	C. fair	3	6	725	10	55
No	100	734	34	32	34	100	740	46	29	25						
Gifted/talented program											D. poor	39	45	739	45	25
Yes						3	762	95	5	1						
No	100	734	34	32	34	97	739	45	30	25	How difficult was the mathematics part of this test?	54	49	741	50	22
Identified disability																
Yes						15	723	13	26	61	A. I tried harder on this test than I do on my regular schoolwork.	7	6	733	29	37
No	99	734	34	33	33	85	742	52	30	18						
Limited English proficient students											How often do you use laptops in mathematics class?	3	7	736	41	32
Current LEP in first 10 months						0	714	8	8	83						
Current LEP beyond first 10 months						2	728	24	31	45	B. two or three days a week	24	17	738	43	26
How much homework do you do on school nights?																
A. None						7	730	28	27	45	C. two or three times each month	62	41	741	50	20
B. Less than one hour	65	734	34	32	34	48	740	47	29	24						
C. One to two hours	31	735	38	33	29	40	741	49	30	21	D. never	12	35	739	46	26
D. More than two hours						5	738	43	30	27						
Optional school/district question											Which statement best describes the use of calculators in mathematics class?	18	23	742	51	23
A.																
B.											A. Calculators are used daily.	64	35	741	48	23
C.																
D.											B. Calculators are used once or twice a week.	13	18	739	46	23
											C. Calculators are used once or twice a month.	4	24	737	41	28
											D. Calculators are rarely or never used.					
											On average, how many minutes a day do you spend working on mathematics in class?	12	10	734	34	36
											A. less than 30 minutes	12	45	739	44	26
											B. 30-45 minutes	26	36	743	53	19
											C. 45-60 minutes	50	10	739	46	25
											D. more than 60 minutes					