July 2009

DEPARTMENT OF EDUCATION
2008–2009 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 accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed 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 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 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. More information about 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 assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education

MEA
Maine Educational Assessment

School Report
Grade 8

Test Date:	March 2009
Code:	10111163
SAU:	Bangor School Department
School:	James F. Doughty 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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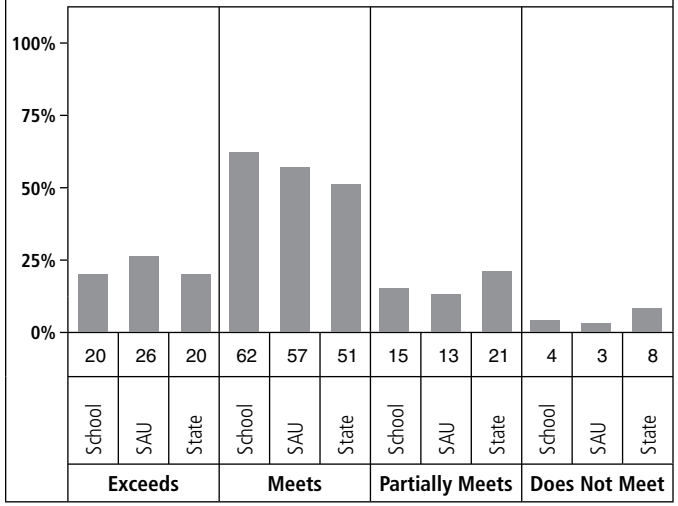
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Bangor School Department
School: James F. Doughty School

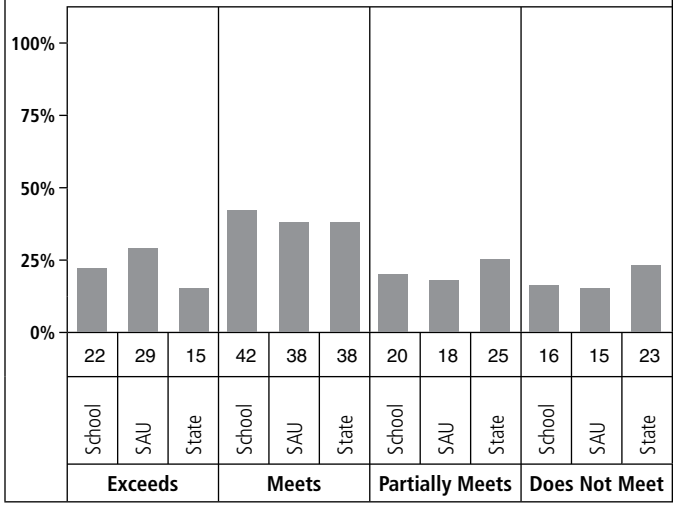
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	853	852	847
2007–2008	854	857	849
2008–2009	**852**	**854**	**850**
Cum. Avg.*	853	854	849
Mathematics			
2006–2007	850	849	842
2007–2008	845	848	841
2008–2009	**847**	**850**	**843**
Cum. Avg.*	847	849	842
Science			
2008-2009 **	**848**	**852**	**846**

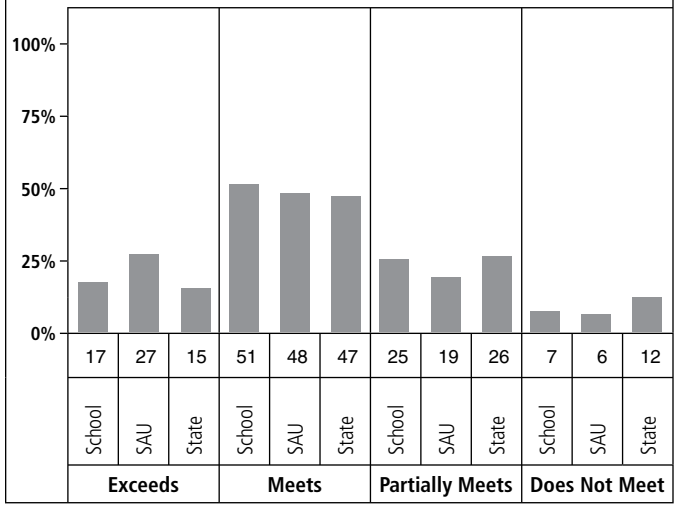
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.
** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: Bangor School Department
School: James F. Doughty School

CATEGORY OF PARTICIPATION	Enrollment[1] during testing window						CONTENT AREA PARTICIPATION[2]																	
							ELA–Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	131	100	264	100	14804	100	131	100	262	100	14659	99	131	100	262	100	14653	99	130	99	261	100	14626	99
Ethnicity African American/Black	4	3	8	3	377	3	4	100	8	100	366	97	4	100	8	100	371	98	3	75	7	88	367	97
American Indian or Native Alaskan	3	2	6	2	119	1	3	100	6	100	117	99	3	100	6	100	115	97	3	100	6	100	116	98
Asian or Pacific Islander	4	3	9	3	238	2	4	100	9	100	232	97	4	100	9	100	234	98	4	100	9	100	234	98
Hispanic	3	2	3	1	192	1	3	100	3	100	188	98	3	100	3	100	191	100	3	100	3	100	190	99
Caucasian/White	117	89	238	90	13878	94	117	100	236	100	13756	99	117	100	236	100	13742	99	117	100	236	100	13719	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	20	15	39	15	2489	17	20	100	37	100	2434	99	20	100	37	100	2424	98	20	100	37	100	2418	98
Current LEP	2	2	4	2	349	2	2	100	4	100	331	95	2	100	4	100	342	98	2	100	4	100	338	97
Economically disadvantaged	75	57	114	43	5460	37	75	100	114	100	5380	99	75	100	114	100	5377	99	75	100	114	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION[3]	ELA–Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	112	85	221	84	12132	82	112	85	221	84	12124	82	111	85	220	83	12169	82
Identified disability (PET/IEP)	5	4	7	3	379	3	5	4	7	3	380	3	5	5	7	3	425	3
LEP	1	1	2	1	166	1	1	1	2	1	169	1	1	1	2	1	168	1
504 plan	7	6	11	5	200	2	7	6	11	5	200	2	6	5	10	5	202	2
Participation with accommodations	18	14	32	12	2349	16	17	13	32	12	2347	16	18	14	32	12	2288	15
Identified disability (PET/IEP)	14	78	21	66	1877	80	13	76	21	66	1862	79	14	78	21	66	1824	80
LEP	1	6	2	6	158	7	1	6	2	6	167	7	1	6	2	6	165	7
504 plan	3	17	9	28	70	3	3	18	9	28	70	3	3	17	9	28	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
Participation through alternate assessment (PAAP)	1	1	9	3	178	1	2	2	9	3	182	1	1	1	9	3	169	1
Identified disability (PET/IEP)	1	100	9	100	178	100	2	100	9	100	182	100	1	100	9	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
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	0	0												
Approved non-participation – special consideration	0	0	2	1	32	0	0	0	2	1	34	0	0	0	2	1	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	1	1	1	0	140	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 2009
Grade:	8
SAU:	Bangor School Department
School:	James F. Doughty School

ACHIEVEMENT LEVEL DEFINITIONS

The quality of a student's work at each achievement level reflects progress in attaining Maine's *Learning Results: Parameters for Essential Instruction* 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 862–880)	2006-2007	34	30	61	23	2407	16
	2007-2008	46	38	98	41	3428	23
	2008-2009	**26**	**20**	**67**	**26**	**2857**	**20**
	Cum. Total*	106	29	226	30	8692	19
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 842–860)	2006-2007	50	43	141	53	7494	49
	2007-2008	50	41	101	42	7179	48
	2008-2009	**80**	**62**	**145**	**57**	**7431**	**51**
	Cum. Total*	180	49	387	51	22104	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 830–840)	2006-2007	26	23	53	20	3628	24
	2007-2008	18	15	32	13	2706	18
	2008-2009	**19**	**15**	**33**	**13**	**2979**	**21**
	Cum. Total*	63	17	118	16	9313	21
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)	2006-2007	5	4	11	4	1810	12
	2007-2008	8	7	9	4	1611	11
	2008-2009	**5**	**4**	**8**	**3**	**1214**	**8**
	Cum. Total*	18	5	28	4	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	**56**	**100**	37.5	67.0	38.5	68.8	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	**20**	**36**	13.0	65.0	13.3	66.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	**36**	**64**	24.5	68.1	25.1	69.7	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine's 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: http://www.maine.gov/education/lres/pei/index.html.

*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 2009
Grade: 8
SAU: Bangor School Department
School: James F. Doughty 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	130	26	20	80	62	19	15	5	4	852	253	26	57	13	3	854	14481	20	51	21	8	850
Ethnicity																						
African American/Black	4										8	0	38	38	25	837	362	8	43	29	20	843
American Indian or Native Alaskan	3										6	17	83	0	0	854	116	10	46	26	18	843
Asian or Pacific Islander	4										9	56	33	11	0	859	231	28	43	19	10	851
Hispanic	3										3						186	17	48	23	12	847
Caucasian/White	116	22	19	73	63	17	15	4	3	852	227	26	58	13	3	854	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	19	2	11	9	47	4	21	4	21	843	28	7	43	29	21	840	2256	2	25	40	34	834
No	111	24	22	71	64	15	14	1	1	854	225	29	59	11	1	855	12225	23	56	17	4	853
Current LEP																						
Yes	2										4						324	5	34	36	26	838
No	128	26	20	79	62	18	14	5	4	852	249	27	57	13	3	854	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	74	6	8	51	69	12	16	5	7	848	109	11	62	19	7	848	5277	10	46	29	15	844
No	56	20	36	29	52	7	13	0	0	857	144	38	53	8	0	858	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	130	26	20	80	62	19	15	5	4	852	253	26	57	13	3	854	14476	20	51	21	8	850
Gender																						
Female	69	16	23	39	57	11	16	3	4	853	126	31	52	13	5	854	7074	25	51	18	6	852
Male	61	10	16	41	67	8	13	2	3	851	127	22	63	13	2	853	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	12	0	0	4	33	7	58	1	8	840	12	0	33	58	8	840	857	9	43	35	14	843
No	118	26	22	76	64	12	10	4	3	854	241	28	59	11	3	854	13624	20	52	20	8	850
Gifted/talented program																						
Yes	6	6	100	0	0	0	0	0	0	870	35	80	20	0	0	868	700	69	30	1	0	867
No	124	20	16	80	65	19	15	5	4	851	218	18	63	15	4	851	13781	17	52	22	9	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 2009
Grade: 8
SAU: Bangor School Department
School: James F. Doughty 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	3	1	25	2	50	0	0	1	25	847	2	17	50	17	17	845	8	8	39	29	24	841
B. less than one hour	47	7	11	42	69	10	16	2	3	849	49	22	60	14	4	852	51	17	53	22	8	849
C. one to two hours	42	14	26	30	56	8	15	2	4	854	42	30	55	13	2	856	36	24	52	18	5	852
D. more than two hours	8	4	40	6	60	0	0	0	0	862	7	47	53	0	0	862	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	24	15	48	13	42	3	10	0	0	861	34	48	41	8	2	859	31	35	50	11	4	856
B. good	60	9	12	52	67	13	17	4	5	850	53	17	64	15	4	851	47	16	55	21	7	849
C. fair	13	2	12	12	71	2	12	1	6	850	12	10	72	14	3	850	18	5	47	33	15	842
D. poor	2	0	0	3	100	0	0	0	0	849	2	0	80	20	0	846	3	2	39	37	22	839
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.	33	11	26	29	67	3	7	0	0	857	35	29	63	7	1	857	32	27	54	14	5	853
B. They match some of what I have learned.	48	14	23	37	60	9	15	2	3	852	47	27	58	13	2	854	52	18	53	22	8	850
C. They match just a little of what I have learned.	17	1	5	13	59	5	23	3	14	844	15	21	47	21	11	849	12	11	45	29	15	844
D. There is no match.	2	0	0	1	50	1	50	0	0	847	3	14	29	43	14	844	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	13	2	13	7	44	5	31	2	13	844	12	17	48	28	7	848	15	13	42	28	17	844
B. about the same as my regular schoolwork	60	14	18	48	63	12	16	2	3	852	57	19	63	15	3	852	64	19	53	20	7	850
C. easier than my regular schoolwork	28	10	29	23	66	1	3	1	3	856	31	45	50	3	3	860	22	25	52	16	6	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	5	63	2	25	1	13	844	5	8	54	23	15	843	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	56	10	14	46	64	13	18	3	4	850	49	13	64	19	4	850	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	38	16	33	28	58	3	6	1	2	857	46	43	50	5	1	860	40	30	53	13	4	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.	53	16	23	39	57	11	16	3	4	852	42	29	53	14	4	853	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	39	10	20	33	66	5	10	2	4	853	51	28	59	11	2	855	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	8	0	0	8	80	2	20	0	0	848	7	6	71	18	6	847	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	30	11	28	22	56	4	10	2	5	854	22	31	55	11	4	856	19	26	53	15	6	853
B. 20 minutes to an hour	37	13	27	31	65	4	8	0	0	856	39	37	55	7	1	858	40	25	52	17	6	852
C. less than 20 minutes	11	1	7	9	64	3	21	1	7	847	14	20	54	20	6	849	15	18	51	21	10	849
D. I rarely read at home.	22	1	4	18	64	7	25	2	7	846	25	10	66	19	5	848	26	7	50	30	13	844
How do you feel about the following statement? "My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	37	15	31	26	54	5	10	2	4	855	39	41	47	8	3	858	42	27	51	15	6	853
B. agree	55	10	14	48	68	11	15	2	3	852	54	18	65	15	2	852	50	15	53	23	9	848
C. disagree	5	1	14	4	57	2	29	0	0	850	4	10	60	20	10	848	7	8	46	32	14	843
D. strongly disagree	2	0	0	2	67	0	0	1	33	833	2	0	50	33	17	837	2	6	39	35	21	840
Optional school/SAU question																						
A.	0										20	29	62	10	0	856						
B.	0										45	30	55	11	4	854						
C.	100	0	0	0	0	0	0	1	100	816	28	41	41	10	7	857						
D.	0										7	29	71	0	0	853						

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 2009
Grade: 8
SAU: Bangor School Department
School: James F. Doughty School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's *Learning Results: Parameters for Essential Instruction* 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 862–880)	2006-2007	30	26	66	25	1952	13
	2007-2008	19	16	49	20	1657	11
	2008-2009	**28**	**22**	**73**	**29**	**2116**	**15**
	Cum. Total*	77	21	188	25	5725	13
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 842–860)	2006-2007	45	39	112	42	5870	38
	2007-2008	54	44	109	45	5956	40
	2008-2009	**54**	**42**	**97**	**38**	**5443**	**38**
	Cum. Total*	153	42	318	42	17269	39
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 830–840)	2006-2007	30	26	58	22	3982	26
	2007-2008	25	20	47	20	3729	25
	2008-2009	**26**	**20**	**45**	**18**	**3556**	**25**
	Cum. Total*	81	22	150	20	11267	25
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)	2006-2007	10	9	30	11	3534	23
	2007-2008	24	20	35	15	3579	24
	2008-2009	**21**	**16**	**38**	**15**	**3356**	**23**
	Cum. Total*	55	15	103	14	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	**56**	**100**	31.2	55.7	33.0	58.9	28.6	51.1
A. Number	**8**	**14**	4.3	53.8	4.6	57.5	3.7	46.3
B. Data	**16**	**29**	9.2	57.5	9.9	61.9	8.9	55.6
C. Geometry	**12**	**21**	5.4	45.0	5.8	48.3	5.0	41.7
D. Algebra	**20**	**36**	12.3	61.5	12.8	64.0	10.9	54.5

The MEA assesses students' mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine's 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: http://www.maine.gov/education/lres/pei/index.html.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

*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 2009
Grade: 8
SAU: Bangor School Department
School: James F. Doughty 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	129	28	22	54	42	26	20	21	16	847	253	29	38	18	15	850	14471	15	38	25	23	843
Ethnicity																						
African American/Black	4										8	13	25	25	38	833	367	6	24	26	44	831
American Indian or Native Alaskan	3										6	17	67	0	17	851	114	5	31	32	32	836
Asian or Pacific Islander	4										9	56	33	0	11	861	233	27	33	20	21	847
Hispanic	3										3						190	8	31	26	34	836
Caucasian/White	115	27	23	46	40	24	21	18	16	847	227	29	39	18	14	850	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	18	0	0	9	50	3	17	6	33	835	28	0	39	18	43	833	2242	2	12	22	63	824
No	111	28	25	45	41	23	21	15	14	848	225	32	38	18	12	852	12229	17	42	25	16	846
Current LEP																						
Yes	2										4						336	6	18	26	51	829
No	127	28	22	53	42	26	20	20	16	847	249	29	39	18	15	850	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	73	8	11	33	45	18	25	14	19	843	108	15	40	22	23	843	5270	6	30	28	36	835
No	56	20	36	21	38	8	14	7	13	852	145	39	37	14	9	855	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	129	28	22	54	42	26	20	21	16	847	253	29	38	18	15	850	14466	15	38	25	23	843
Gender																						
Female	69	8	12	33	48	13	19	15	22	843	126	23	40	17	20	847	7070	15	39	25	22	843
Male	60	20	33	21	35	13	22	6	10	851	127	35	37	18	10	852	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	12	0	0	2	17	2	17	8	67	825	12	0	17	17	67	825	857	5	25	33	37	835
No	117	28	24	52	44	24	21	13	11	849	241	30	39	18	12	851	13614	15	38	24	22	843
Gifted/talented program																						
Yes	6	6	100	0	0	0	0	0	0	875	35	89	11	0	0	872	700	68	27	3	1	866
No	123	22	18	54	44	26	21	21	17	845	218	19	43	21	17	846	13771	12	38	26	24	841

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 2009
Grade: 8
SAU: Bangor School Department
School: James F. Doughty 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	3	0	0	2	50	1	25	1	25	833	2	0	50	17	33	835	8	8	24	24	44	833
B. less than one hour	47	13	22	24	40	11	18	12	20	845	49	26	39	16	18	848	51	12	38	26	23	842
C. one to two hours	42	14	26	21	39	13	24	6	11	849	42	33	35	22	10	852	36	19	40	23	19	845
D. more than two hours	8	1	10	7	70	1	10	1	10	851	7	35	53	6	6	856	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	28	16	46	12	34	3	9	4	11	855	30	52	32	7	9	858	28	33	41	15	11	852
B. good	44	12	21	30	54	10	18	4	7	850	45	28	51	15	6	853	45	11	43	25	21	842
C. fair	22	0	0	9	32	10	36	9	32	834	20	4	24	40	32	835	21	3	27	35	35	834
D. poor	6	0	0	2	29	2	29	3	43	832	4	0	27	18	55	828	5	2	14	30	54	828
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.	40	13	25	25	49	10	20	3	6	851	38	33	44	15	8	854	28	23	41	21	15	848
B. They match some of what I have learned.	45	12	21	26	45	11	19	9	16	847	47	30	39	18	13	850	52	13	40	25	21	843
C. They match just a little of what I have learned.	14	3	17	3	17	5	28	7	39	836	14	15	21	29	35	838	16	8	28	30	34	836
D. There is no match.	1	0	0	0	0	0	0	1	100	816	1	0	50	0	50	838	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	24	0	0	10	32	8	26	13	42	832	22	4	36	27	33	837	32	6	34	29	32	837
B. about the same as my regular schoolwork	60	15	19	37	48	18	23	7	9	848	59	23	46	20	11	849	52	13	41	25	20	843
C. easier than my regular schoolwork	16	13	65	7	35	0	0	0	0	866	20	76	20	0	4	868	16	39	35	13	13	853
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.	48	10	16	31	51	11	18	9	15	846	44	20	45	18	17	847	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	47	16	27	22	37	13	22	9	15	848	52	36	34	18	12	852	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	5	2	29	1	14	2	29	2	29	841	4	36	27	18	18	850	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	49	19	30	27	43	10	16	7	11	852	48	40	40	12	8	856	34	18	40	22	20	845
B. two or three days a week	36	7	15	19	41	12	26	8	17	843	38	22	37	25	16	846	35	14	38	26	21	843
C. two or three times each month	12	2	13	6	40	3	20	4	27	840	10	16	36	20	28	841	18	12	37	27	24	841
D. never or almost never	3	0	0	2	50	1	25	1	25	833	4	0	40	20	40	833	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	4	0	0	2	40	1	20	2	40	836	5	0	31	23	46	832	9	13	38	23	26	841
B. two or three days a week	9	2	18	7	64	2	18	0	0	850	22	13	57	21	9	848	17	11	37	26	26	841
C. two or three times each month	34	3	7	21	49	8	19	11	26	840	33	22	43	17	18	847	28	15	40	25	20	844
D. never or almost never	54	23	33	24	35	15	22	7	10	851	40	48	26	16	10	856	46	16	36	24	23	843
How do you feel about the following statement? "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	59	19	25	36	47	11	14	10	13	849	56	34	44	11	11	853	52	19	41	22	18	846
B. agree	35	8	18	17	38	12	27	8	18	844	37	25	30	28	17	847	39	11	35	27	27	840
C. disagree	4	1	20	1	20	3	60	0	0	844	6	14	50	21	14	847	6	7	28	26	39	835
D. strongly disagree	2	0	0	0	0	0	0	2	100	814	1	0	0	0	100	814	3	4	25	28	43	832
Optional school/SAU question																						
A.	0										20	38	33	19	10	854						
B.	0										46	36	36	13	15	852						
C.	0										27	43	32	18	7	856						
D.	0										7	29	57	14	0	855						

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

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: Bangor School Department
School: James F. Doughty School

ACHIEVEMENT LEVEL DEFINITIONS The quality of a student's work at each achievement level reflects progress in attaining Maine's *Learning Results: Parameters for Essential Instruction* in science.		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, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	22	17	67	27	2155	15
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 and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	66	51	122	48	6687	47
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 but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	32	25	49	19	3672	26
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. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	9	7	14	6	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	**56**	**100**	33.7	60.2	35.8	63.9	32.0	57.1
D. The Physical Setting	**31**	**55**	18.1	58.4	19.4	62.6	17.1	55.2
D1/D2 Earth/Space	**17**	**30**	10.3	60.6	10.9	64.1	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	**14**	**25**	7.8	55.7	8.6	61.4	7.7	55.0
E. The Living Environment	**25**	**45**	15.6	62.4	16.4	65.6	14.9	59.6

The MEA assesses students' science knowledge based on questions that measure the science accountability content standards highlighted in Maine's 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: http://www.maine.gov/education/lres/pei/index.html.

Content Standard D. The Physical Setting
- D1 - Universe and Solar System
- D2 - Earth
- D3 - Matter and Energy
- D4 - Force and Motion

Content Standard E. The Living Environment
- E1 - Biodiversity
- E2 - Ecosystems
- E3 - Cells
- E4 - Heredity and Reproduction
- E5 - Evolution

*Because Science standards were reset in May 2009, no historical data are available.

SCIENCE RESULTS
(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: Bangor School Department
School: James F. Doughty 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	129	22	17	66	51	32	25	9	7	848	252	27	48	19	6	852	14263	15	47	26	12	846
Ethnicity																						
African American/Black	3										7	14	29	29	29	840	360	4	31	35	30	835
American Indian or Native Alaskan	3										6	17	67	17	0	851	114	8	39	31	22	839
Asian or Pacific Islander	4										9	22	67	11	0	854	230	20	44	23	13	848
Hispanic	3										3						184	9	45	29	16	842
Caucasian/White	116	21	18	58	50	29	25	8	7	849	227	28	48	19	5	852	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	19	1	5	8	42	8	42	2	11	841	28	4	39	43	14	839	2221	3	22	36	38	832
No	110	21	19	58	53	24	22	7	6	850	224	29	50	17	4	854	12042	17	51	24	7	848
Current LEP																						
Yes	2										4						331	4	20	39	37	832
No	127	22	17	65	51	31	24	9	7	849	248	27	48	19	6	852	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	74	7	9	39	53	21	28	7	9	845	109	14	49	28	10	846	5184	6	40	33	21	840
No	55	15	27	27	49	11	20	2	4	853	143	36	48	13	2	856	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	129	22	17	66	51	32	25	9	7	848	252	27	48	19	6	852	14258	15	47	26	12	846
Gender																						
Female	69	8	12	35	51	20	29	6	9	847	126	19	48	25	8	849	6953	14	47	28	11	846
Male	60	14	23	31	52	12	20	3	5	851	126	34	49	13	3	855	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	11	0	0	2	18	5	45	4	36	831	11	0	18	45	36	831	828	5	35	40	20	839
No	118	22	19	64	54	27	23	5	4	850	241	28	50	18	4	853	13435	16	48	25	12	846
Gifted/talented program																						
Yes	6	6	100	0	0	0	0	0	0	872	35	83	17	0	0	869	699	65	34	2	0	865
No	123	16	13	66	54	32	26	9	7	847	217	18	53	23	6	849	13564	13	48	27	13	845

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 RESULTS
(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Bangor School Department
School: James F. Doughty 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	3	0	0	2	50	2	50	0	0	839	2	0	50	33	17	838	8	8	34	28	30	837
B. less than one hour	47	10	17	25	42	22	37	3	5	847	49	26	41	27	6	850	51	14	48	27	11	846
C. one to two hours	42	11	20	30	56	8	15	5	9	850	42	30	51	13	5	854	36	19	48	24	9	848
D. more than two hours	8	1	10	9	90	0	0	0	0	856	7	18	82	0	0	859	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	29	8	22	20	54	6	16	3	8	849	29	36	49	10	5	856	23	27	47	17	8	851
B. good	52	14	21	34	51	17	25	2	3	851	57	27	49	20	4	852	53	15	50	26	10	847
C. fair	16	0	0	11	52	8	38	2	10	842	12	10	47	37	7	845	20	4	43	35	18	840
D. poor	2	0	0	1	33	1	33	1	33	841	2	0	25	50	25	839	4	4	27	34	35	834
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.	30	8	21	23	59	6	15	2	5	851	33	28	55	15	2	854	26	20	49	23	9	849
B. They match some of what I have learned.	48	12	19	31	50	15	24	4	6	849	48	31	45	18	6	853	51	14	48	26	11	846
C. They match just a little of what I have learned.	20	2	8	12	46	11	42	1	4	845	18	16	45	34	5	848	18	13	44	28	15	844
D. There is no match.	1	0	0	0	0	0	0	1	100	826	1	0	33	0	67	825	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	25	1	3	17	53	12	38	2	6	845	25	15	53	26	6	849	32	13	45	28	14	844
B. about the same as my regular schoolwork	59	14	19	40	53	17	23	4	5	850	58	27	49	19	4	852	56	15	49	25	11	847
C. easier than my regular schoolwork	16	7	33	9	43	3	14	2	10	851	17	43	38	12	7	856	11	21	43	22	13	847
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.	45	6	10	38	66	12	21	2	3	848	40	18	62	17	2	851	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	47	14	23	26	43	17	28	3	5	850	55	34	42	21	4	854	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	8	2	20	2	20	3	30	3	30	841	5	23	15	23	38	839	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	42	10	19	31	58	8	15	4	8	850	37	22	53	20	5	851	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	22	5	18	14	50	8	29	1	4	848	26	36	45	16	3	855	23	17	49	22	12	847
C. the course(s) described in B, plus physics	13	5	31	9	56	2	13	0	0	856	15	50	42	5	3	860	21	31	44	17	7	852
D. a life science and physical science class	24	2	7	12	40	13	43	3	10	843	22	9	50	31	9	846	30	7	46	32	14	842
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	30	4	10	27	69	6	15	2	5	849	33	28	54	13	5	853	27	23	47	20	10	849
B. agree	31	12	30	14	35	11	28	3	8	851	30	33	37	23	7	852	37	14	47	27	12	846
C. disagree	27	5	15	20	59	8	24	1	3	850	26	19	63	17	2	853	25	11	48	29	12	845
D. strongly disagree	12	1	7	5	33	7	47	2	13	840	11	25	29	36	11	847	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	30	7	18	22	56	7	18	3	8	850	33	30	52	14	4	855	31	22	46	22	10	849
B. agree	48	14	23	32	52	14	23	2	3	851	49	30	46	20	4	853	50	14	49	26	11	846
C. disagree	16	1	5	11	55	7	35	1	5	844	15	14	54	24	8	846	14	9	45	31	15	843
D. strongly disagree	5	0	0	1	14	4	57	2	29	835	3	0	25	50	25	837	5	3	38	34	25	837
Optional school/SAU question																						
A.	0										20	24	52	24	0	853						
B.	0										45	32	47	17	4	854						
C.	100	0	0	0	0	0	0	1	100	822	28	45	45	0	10	859						
D.	0										7	43	57	0	0	855						

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