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:	10851275
SAU:	Kittery School Department
School:	Shapleigh Middle 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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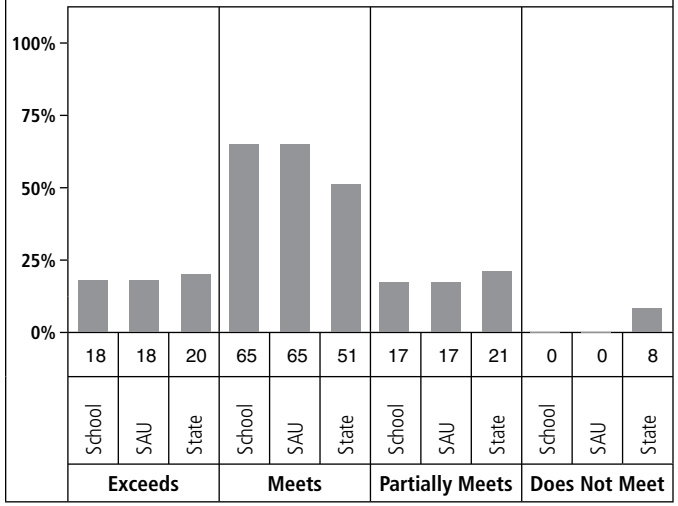
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Kittery School Department
School: Shapleigh Middle School

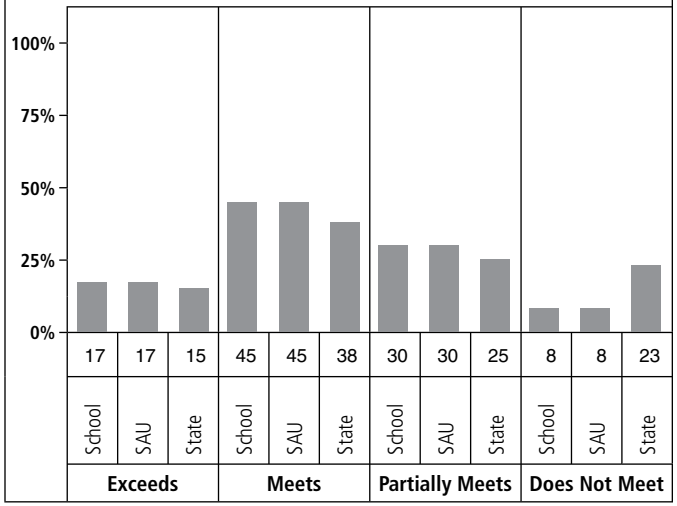
Summary of School, SAU, and State Scores

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

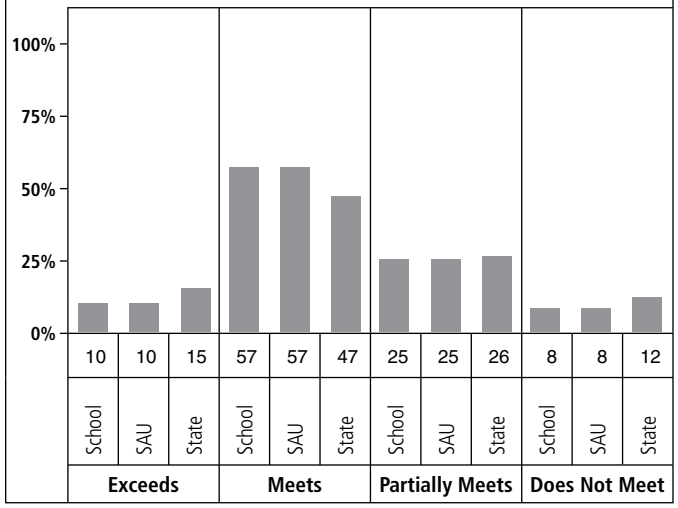
ELA – READING



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: Kittery School Department
School: Shapleigh Middle 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	61	100	61	100	14804	100	60	98	60	98	14659	99	60	98	60	98	14653	99	60	98	60	98	14626	99
Ethnicity African American/Black	2	3	2	3	377	3	2	100	2	100	366	97	2	100	2	100	371	98	2	100	2	100	367	97
American Indian or Native Alaskan	1	2	1	2	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	1	2	1	2	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	1	2	1	2	192	1	1	100	1	100	188	98	1	100	1	100	191	100	1	100	1	100	190	99
Caucasian/White	56	92	56	92	13878	94	56	100	56	100	13756	99	56	100	56	100	13742	99	56	100	56	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	8	13	8	13	2489	17	8	100	8	100	2434	99	8	100	8	100	2424	98	8	100	8	100	2418	98
Current LEP	1	2	1	2	349	2	1	100	1	100	331	95	1	100	1	100	342	98	1	100	1	100	338	97
Economically disadvantaged	14	23	14	23	5460	37	14	100	14	100	5380	99	14	100	14	100	5377	99	14	100	14	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	55	90	55	90	12132	82	55	90	55	90	12124	82	55	90	55	90	12169	82
Identified disability (PET/IEP)	3	5	3	5	379	3	3	5	3	5	380	3	3	5	3	5	425	3
LEP	1	2	1	2	166	1	1	2	1	2	169	1	1	2	1	2	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
Participation with accommodations	5	8	5	8	2349	16	5	8	5	8	2347	16	5	8	5	8	2288	15
Identified disability (PET/IEP)	5	100	5	100	1877	80	5	100	5	100	1862	79	5	100	5	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	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)	0	0	0	0	178	1	0	0	0	0	182	1	0	0	0	0	169	1
Identified disability (PET/IEP)	0	0	0	0	178	100	0	0	0	0	182	100	0	0	0	0	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	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	1	2	1	2	113	1	1	2	1	2	117	1	1	2	1	2	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: Kittery School Department
School: Shapleigh Middle 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	20	20	20	20	2407	16
	2007-2008	17	24	17	24	3428	23
	2008-2009	**11**	**18**	**11**	**18**	**2857**	**20**
	Cum. Total*	48	21	48	21	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	48	48	48	48	7494	49
	2007-2008	35	50	35	50	7179	48
	2008-2009	**39**	**65**	**39**	**65**	**7431**	**51**
	Cum. Total*	122	53	122	53	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	24	24	24	24	3628	24
	2007-2008	10	14	10	14	2706	18
	2008-2009	**10**	**17**	**10**	**17**	**2979**	**21**
	Cum. Total*	44	19	44	19	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	8	8	8	8	1810	12
	2007-2008	8	11	8	11	1611	11
	2008-2009	**0**	**0**	**0**	**0**	**1214**	**8**
	Cum. Total*	16	7	16	7	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**	37.9	67.7	37.9	67.7	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	**20**	**36**	13.2	66.0	13.2	66.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	**36**	**64**	24.7	68.6	24.7	68.6	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: Kittery School Department
School: Shapleigh Middle 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	60	11	18	39	65	10	17	0	0	853	60	18	65	17	0	853	14481	20	51	21	8	850
Ethnicity																						
African American/Black	2										2						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	1										1						186	17	48	23	12	847
Caucasian/White	56	10	18	36	64	10	18	0	0	852	56	18	64	18	0	852	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	4	50	4	50	0	0	843	8	0	50	50	0	843	2256	2	25	40	34	834
No	52	11	21	35	67	6	12	0	0	854	52	21	67	12	0	854	12225	23	56	17	4	853
Current LEP																						
Yes	1										1						324	5	34	36	26	838
No	59	11	19	38	64	10	17	0	0	853	59	19	64	17	0	853	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	14	1	7	9	64	4	29	0	0	847	14	7	64	29	0	847	5277	10	46	29	15	844
No	46	10	22	30	65	6	13	0	0	854	46	22	65	13	0	854	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	60	11	18	39	65	10	17	0	0	853	60	18	65	17	0	853	14476	20	51	21	8	850
Gender																						
Female	23	6	26	16	70	1	4	0	0	857	23	26	70	4	0	857	7074	25	51	18	6	852
Male	37	5	14	23	62	9	24	0	0	850	37	14	62	24	0	850	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	60	11	18	39	65	10	17	0	0	853	60	18	65	17	0	853	13624	20	52	20	8	850
Gifted/talented program																						
Yes	6	6	100	0	0	0	0	0	0	875	6	100	0	0	0	875	700	69	30	1	0	867
No	54	5	9	39	72	10	19	0	0	850	54	9	72	19	0	850	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: Kittery School Department
School: Shapleigh Middle 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	0										0						8	8	39	29	24	841
B. less than one hour	20	1	8	8	67	3	25	0	0	848	20	8	67	25	0	848	51	17	53	22	8	849
C. one to two hours	75	9	20	30	67	6	13	0	0	854	75	20	67	13	0	854	36	24	52	18	5	852
D. more than two hours	5	1	33	1	33	1	33	0	0	855	5	33	33	33	0	855	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	22	6	46	6	46	1	8	0	0	861	22	46	46	8	0	861	31	35	50	11	4	856
B. good	53	5	16	23	72	4	13	0	0	853	53	16	72	13	0	853	47	16	55	21	7	849
C. fair	22	0	0	8	62	5	38	0	0	845	22	0	62	38	0	845	18	5	47	33	15	842
D. poor	3	0	0	2	100	0	0	0	0	850	3	0	100	0	0	850	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.	22	4	31	8	62	1	8	0	0	855	22	31	62	8	0	855	32	27	54	14	5	853
B. They match some of what I have learned.	68	5	12	28	68	8	20	0	0	851	68	12	68	20	0	851	52	18	53	22	8	850
C. They match just a little of what I have learned.	7	1	25	2	50	1	25	0	0	854	7	25	50	25	0	854	12	11	45	29	15	844
D. There is no match.	3	1	50	1	50	0	0	0	0	864	3	50	50	0	0	864	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	5	0	0	2	67	1	33	0	0	847	5	0	67	33	0	847	15	13	42	28	17	844
B. about the same as my regular schoolwork	73	6	14	31	70	7	16	0	0	851	73	14	70	16	0	851	64	19	53	20	7	850
C. easier than my regular schoolwork	22	5	38	6	46	2	15	0	0	860	22	38	46	15	0	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.	5	0	0	2	67	1	33	0	0	847	5	0	67	33	0	847	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	57	4	12	23	70	6	18	0	0	851	57	12	70	18	0	851	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	38	6	27	13	59	3	14	0	0	855	38	27	59	14	0	855	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.	24	3	21	10	71	1	7	0	0	854	24	21	71	7	0	854	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	71	7	17	26	63	8	20	0	0	852	71	17	63	20	0	852	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	3	100	0	0	0	0	850	5	0	100	0	0	850	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	15	3	33	6	67	0	0	0	0	860	15	33	67	0	0	860	19	26	53	15	6	853
B. 20 minutes to an hour	53	6	19	23	72	3	9	0	0	854	53	19	72	9	0	854	40	25	52	17	6	852
C. less than 20 minutes	18	2	18	3	27	6	55	0	0	847	18	18	27	55	0	847	15	18	51	21	10	849
D. I rarely read at home.	13	0	0	7	88	1	13	0	0	848	13	0	88	13	0	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	38	7	30	16	70	0	0	0	0	858	38	30	70	0	0	858	42	27	51	15	6	853
B. agree	53	3	9	19	59	10	31	0	0	849	53	9	59	31	0	849	50	15	53	23	9	848
C. disagree	7	0	0	4	100	0	0	0	0	847	7	0	100	0	0	847	7	8	46	32	14	843
D. strongly disagree	2	1	100	0	0	0	0	0	0	868	2	100	0	0	0	868	2	6	39	35	21	840
Optional school/SAU question																						
A.	100	0	0	1	50	1	50	0	0	843	100	0	50	50	0	843						
B.	0										0											
C.	0										0											
D.	0										0											

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

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: Kittery School Department
School: Shapleigh Middle 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	16	16	16	16	1952	13
	2007-2008	7	10	7	10	1657	11
	2008-2009	**10**	**17**	**10**	**17**	**2116**	**15**
	Cum. Total*	33	14	33	14	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	33	33	33	33	5870	38
	2007-2008	37	53	37	53	5956	40
	2008-2009	**27**	**45**	**27**	**45**	**5443**	**38**
	Cum. Total*	97	42	97	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	28	28	28	28	3982	26
	2007-2008	14	20	14	20	3729	25
	2008-2009	**18**	**30**	**18**	**30**	**3556**	**25**
	Cum. Total*	60	26	60	26	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	24	24	24	24	3534	23
	2007-2008	12	17	12	17	3579	24
	2008-2009	**5**	**8**	**5**	**8**	**3356**	**23**
	Cum. Total*	41	18	41	18	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	31.2	55.7	28.6	51.1
A. Number	**8**	**14**	3.8	47.5	3.8	47.5	3.7	46.3
B. Data	**16**	**29**	10.0	62.5	10.0	62.5	8.9	55.6
C. Geometry	**12**	**21**	4.9	40.8	4.9	40.8	5.0	41.7
D. Algebra	**20**	**36**	12.5	62.5	12.5	62.5	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: Kittery School Department
School: Shapleigh Middle 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	60	10	17	27	45	18	30	5	8	847	60	17	45	30	8	847	14471	15	38	25	23	843
Ethnicity																						
African American/Black	2										2						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	1										1						190	8	31	26	34	836
Caucasian/White	56	10	18	25	45	16	29	5	9	847	56	18	45	29	9	847	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	0	0	7	88	1	13	835	8	0	0	88	13	835	2242	2	12	22	63	824
No	52	10	19	27	52	11	21	4	8	849	52	19	52	21	8	849	12229	17	42	25	16	846
Current LEP																						
Yes	1										1						336	6	18	26	51	829
No	59	10	17	26	44	18	31	5	8	847	59	17	44	31	8	847	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	14	1	7	3	21	9	64	1	7	842	14	7	21	64	7	842	5270	6	30	28	36	835
No	46	9	20	24	52	9	20	4	9	849	46	20	52	20	9	849	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	60	10	17	27	45	18	30	5	8	847	60	17	45	30	8	847	14466	15	38	25	23	843
Gender																						
Female	23	6	26	9	39	6	26	2	9	850	23	26	39	26	9	850	7070	15	39	25	22	843
Male	37	4	11	18	49	12	32	3	8	846	37	11	49	32	8	846	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	60	10	17	27	45	18	30	5	8	847	60	17	45	30	8	847	13614	15	38	24	22	843
Gifted/talented program																						
Yes	6	6	100	0	0	0	0	0	0	873	6	100	0	0	0	873	700	68	27	3	1	866
No	54	4	7	27	50	18	33	5	9	845	54	7	50	33	9	845	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: Kittery School Department
School: Shapleigh Middle 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	0										0						8	8	24	24	44	833
B. less than one hour	20	2	17	4	33	3	25	3	25	842	20	17	33	25	25	842	51	12	38	26	23	842
C. one to two hours	75	6	13	22	49	15	33	2	4	848	75	13	49	33	4	848	36	19	40	23	19	845
D. more than two hours	5	2	67	1	33	0	0	0	0	861	5	67	33	0	0	861	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	18	4	36	6	55	1	9	0	0	858	18	36	55	9	0	858	28	33	41	15	11	852
B. good	55	5	15	15	45	10	30	3	9	848	55	15	45	30	9	848	45	11	43	25	21	842
C. fair	23	1	7	6	43	6	43	1	7	842	23	7	43	43	7	842	21	3	27	35	35	834
D. poor	3	0	0	0	0	1	50	1	50	827	3	0	0	50	50	827	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.	27	4	25	6	38	5	31	1	6	850	27	25	38	31	6	850	28	23	41	21	15	848
B. They match some of what I have learned.	63	4	11	20	53	11	29	3	8	846	63	11	53	29	8	846	52	13	40	25	21	843
C. They match just a little of what I have learned.	10	2	33	1	17	2	33	1	17	850	10	33	17	33	17	850	16	8	28	30	34	836
D. There is no match.	0										0						4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	17	1	10	6	60	3	30	0	0	849	17	10	60	30	0	849	32	6	34	29	32	837
B. about the same as my regular schoolwork	67	6	15	18	45	12	30	4	10	846	67	15	45	30	10	846	52	13	41	25	20	843
C. easier than my regular schoolwork	17	3	30	3	30	3	30	1	10	852	17	30	30	30	10	852	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.	30	1	6	10	56	7	39	0	0	846	30	6	56	39	0	846	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	62	9	24	14	38	9	24	5	14	849	62	24	38	24	14	849	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	8	0	0	3	60	2	40	0	0	844	8	0	60	40	0	844	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	28	4	24	5	29	5	29	3	18	845	28	24	29	29	18	845	34	18	40	22	20	845
B. two or three days a week	62	3	8	20	54	12	32	2	5	846	62	8	54	32	5	846	35	14	38	26	21	843
C. two or three times each month	8	2	40	2	40	1	20	0	0	858	8	40	40	20	0	858	18	12	37	27	24	841
D. never or almost never	2	1	100	0	0	0	0	0	0	870	2	100	0	0	0	870	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	3	0	0	0	0	2	100	0	0	836	3	0	0	100	0	836	9	13	38	23	26	841
B. two or three days a week	28	2	12	10	59	4	24	1	6	847	28	12	59	24	6	847	17	11	37	26	26	841
C. two or three times each month	57	4	12	15	44	11	32	4	12	845	57	12	44	32	12	845	28	15	40	25	20	844
D. never or almost never	12	4	57	2	29	1	14	0	0	862	12	57	29	14	0	862	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	43	6	23	14	54	5	19	1	4	852	43	23	54	19	4	852	52	19	41	22	18	846
B. agree	53	4	13	11	34	13	41	4	13	844	53	13	34	41	13	844	39	11	35	27	27	840
C. disagree	2	0	0	1	100	0	0	0	0	844	2	0	100	0	0	844	6	7	28	26	39	835
D. strongly disagree	2	0	0	1	100	0	0	0	0	858	2	0	100	0	0	858	3	4	25	28	43	832
Optional school/SAU question																						
A.	100	0	0	0	0	2	100	0	0	834	100	0	0	100	0	834						
B.	0										0											
C.	0										0											
D.	0										0											

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

SCIENCE RESULTS

Test Date:	March 2009
Grade:	8
SAU:	Kittery School Department
School:	Shapleigh Middle 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*	6	10	6	10	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*	34	57	34	57	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*	15	25	15	25	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*	5	8	5	8	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**	32.5	58.0	32.5	58.0	32.0	57.1
D. The Physical Setting	**31**	**55**	17.9	57.7	17.9	57.7	17.1	55.2
D1/D2 Earth/Space	**17**	**30**	9.6	56.5	9.6	56.5	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	**14**	**25**	8.3	59.3	8.3	59.3	7.7	55.0
E. The Living Environment	**25**	**45**	14.7	58.8	14.7	58.8	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: Kittery School Department
School: Shapleigh Middle 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	60	6	10	34	57	15	25	5	8	847	60	10	57	25	8	847	14263	15	47	26	12	846
Ethnicity																						
African American/Black	2										2						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	1										1						184	9	45	29	16	842
Caucasian/White	56	6	11	31	55	14	25	5	9	846	56	11	55	25	9	846	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	1	13	3	38	4	50	833	8	0	13	38	50	833	2221	3	22	36	38	832
No	52	6	12	33	63	12	23	1	2	849	52	12	63	23	2	849	12042	17	51	24	7	848
Current LEP																						
Yes	1										1						331	4	20	39	37	832
No	59	6	10	34	58	14	24	5	8	847	59	10	58	24	8	847	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	14	0	0	8	57	4	29	2	14	844	14	0	57	29	14	844	5184	6	40	33	21	840
No	46	6	13	26	57	11	24	3	7	847	46	13	57	24	7	847	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	60	6	10	34	57	15	25	5	8	847	60	10	57	25	8	847	14258	15	47	26	12	846
Gender																						
Female	23	2	9	13	57	6	26	2	9	847	23	9	57	26	9	847	6953	14	47	28	11	846
Male	37	4	11	21	57	9	24	3	8	846	37	11	57	24	8	846	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	60	6	10	34	57	15	25	5	8	847	60	10	57	25	8	847	13435	16	48	25	12	846
Gifted/talented program																						
Yes	6	3	50	3	50	0	0	0	0	863	6	50	50	0	0	863	699	65	34	2	0	865
No	54	3	6	31	57	15	28	5	9	845	54	6	57	28	9	845	13564	13	48	27	13	845

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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: Kittery School Department
School: Shapleigh Middle 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	0										0						8	8	34	28	30	837
B. less than one hour	20	0	0	9	75	3	25	0	0	845	20	0	75	25	0	845	51	14	48	27	11	846
C. one to two hours	75	5	11	24	53	11	24	5	11	846	75	11	53	24	11	846	36	19	48	24	9	848
D. more than two hours	5	1	33	1	33	1	33	0	0	854	5	33	33	33	0	854	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	33	3	15	10	50	5	25	2	10	848	33	15	50	25	10	848	23	27	47	17	8	851
B. good	57	2	6	22	65	9	26	1	3	847	57	6	65	26	3	847	53	15	50	26	10	847
C. fair	10	1	17	2	33	1	17	2	33	840	10	17	33	17	33	840	20	4	43	35	18	840
D. poor	0										0						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.	27	1	6	9	56	5	31	1	6	845	27	6	56	31	6	845	26	20	49	23	9	849
B. They match some of what I have learned.	52	4	13	19	61	6	19	2	6	849	52	13	61	19	6	849	51	14	48	26	11	846
C. They match just a little of what I have learned.	22	1	8	6	46	4	31	2	15	843	22	8	46	31	15	843	18	13	44	28	15	844
D. There is no match.	0										0						4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	32	3	16	8	42	5	26	3	16	846	32	16	42	26	16	846	32	13	45	28	14	844
B. about the same as my regular schoolwork	58	3	9	23	66	8	23	1	3	848	58	9	66	23	3	848	56	15	49	25	11	847
C. easier than my regular schoolwork	10	0	0	3	50	2	33	1	17	842	10	0	50	33	17	842	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.	22	2	15	6	46	4	31	1	8	846	22	15	46	31	8	846	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	70	4	10	25	60	11	26	2	5	848	70	10	60	26	5	848	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	8	0	0	3	60	0	0	2	40	839	8	0	60	0	40	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	23	0	0	9	64	4	29	1	7	844	23	0	64	29	7	844	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	25	1	7	10	67	4	27	0	0	849	25	7	67	27	0	849	23	17	49	22	12	847
C. the course(s) described in B, plus physics	28	5	29	6	35	5	29	1	6	850	28	29	35	29	6	850	21	31	44	17	7	852
D. a life science and physical science class	23	0	0	9	64	2	14	3	21	842	23	0	64	14	21	842	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	28	1	6	12	71	4	24	0	0	848	28	6	71	24	0	848	27	23	47	20	10	849
B. agree	38	3	13	11	48	7	30	2	9	847	38	13	48	30	9	847	37	14	47	27	12	846
C. disagree	22	1	8	6	46	4	31	2	15	844	22	8	46	31	15	844	25	11	48	29	12	845
D. strongly disagree	12	1	14	5	71	0	0	1	14	848	12	14	71	0	14	848	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	27	1	6	12	75	3	19	0	0	850	27	6	75	19	0	850	31	22	46	22	10	849
B. agree	57	5	15	16	47	9	26	4	12	847	57	15	47	26	12	847	50	14	49	26	11	846
C. disagree	13	0	0	5	63	2	25	1	13	841	13	0	63	25	13	841	14	9	45	31	15	843
D. strongly disagree	3	0	0	1	50	1	50	0	0	838	3	0	50	50	0	838	5	3	38	34	25	837
Optional school/SAU question																						
A.	100	0	0	1	50	0	0	1	50	834	100	0	50	0	50	834						
B.	0										0											
C.	0										0											
D.	0										0											

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