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:	10071144
SAU:	Auburn School Department
School:	Auburn 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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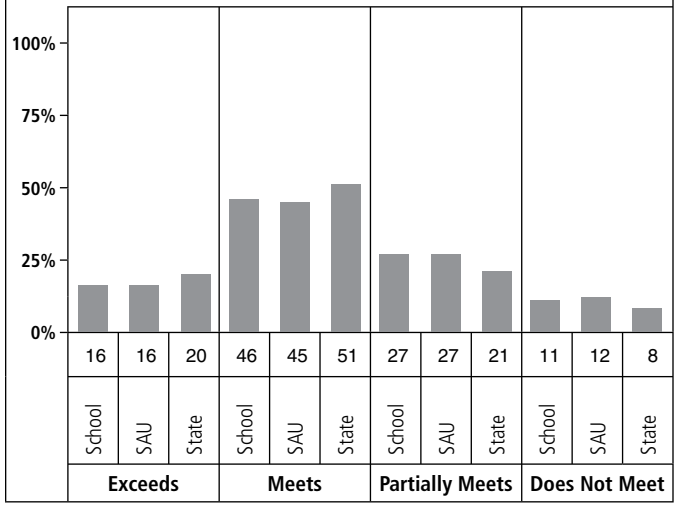
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Auburn School Department
School: Auburn Middle School

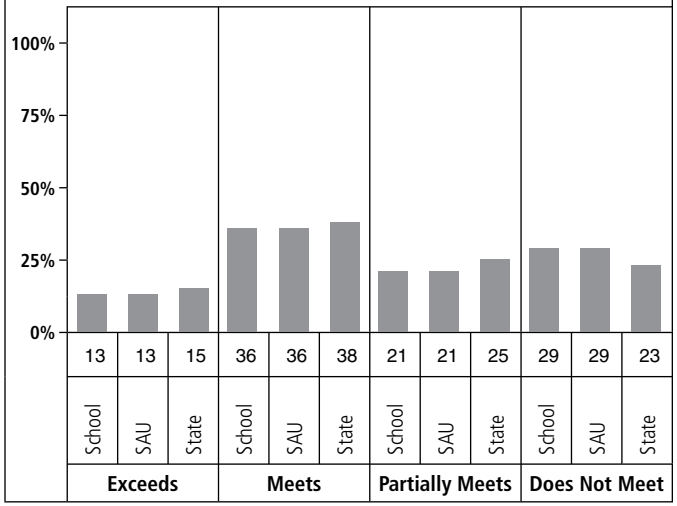
Summary of School, SAU, and State Scores

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

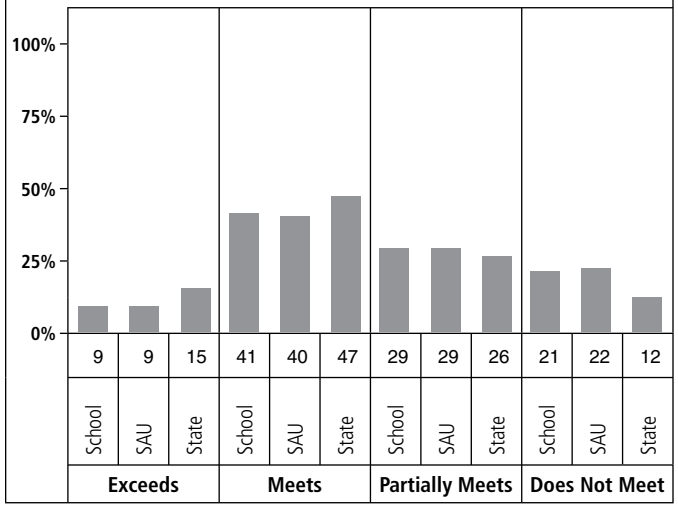
ELA – READING



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: Auburn School Department
School: Auburn 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	253	100	256	100	14804	100	242	96	244	96	14659	99	242	96	244	96	14653	99	243	97	245	96	14626	99
Ethnicity African American/Black	19	8	19	7	377	3	17	89	17	89	366	97	17	89	17	89	371	98	18	95	18	95	367	97
American Indian or Native Alaskan	2	1	2	1	119	1	2	100	2	100	117	99	2	100	2	100	115	97	2	100	2	100	116	98
Asian or Pacific Islander	4	2	4	2	238	2	4	100	4	100	232	97	4	100	4	100	234	98	4	100	4	100	234	98
Hispanic	6	2	6	2	192	1	6	100	6	100	188	98	6	100	6	100	191	100	6	100	6	100	190	99
Caucasian/White	222	88	225	88	13878	94	213	97	215	96	13756	99	213	97	215	96	13742	99	213	97	215	96	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	47	19	50	20	2489	17	45	96	47	94	2434	99	45	96	47	94	2424	98	46	98	48	96	2418	98
Current LEP	10	4	10	4	349	2	10	100	10	100	331	95	10	100	10	100	342	98	10	100	10	100	338	97
Economically disadvantaged	104	41	105	41	5460	37	97	94	98	94	5380	99	97	94	98	94	5377	99	98	95	99	95	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	197	78	199	78	12132	82	198	78	200	78	12124	82	203	80	205	80	12169	82
Identified disability (PET/IEP)	5	3	7	4	379	3	5	3	7	4	380	3	10	5	12	6	425	3
LEP	6	3	6	3	166	1	6	3	6	3	169	1	6	3	6	3	168	1
504 plan	6	3	6	3	200	2	6	3	6	3	200	2	6	3	6	3	202	2
Participation with accommodations	42	17	42	16	2349	16	41	16	41	16	2347	16	37	15	37	14	2288	15
Identified disability (PET/IEP)	37	88	37	88	1877	80	37	90	37	90	1862	79	33	89	33	89	1824	80
LEP	4	10	4	10	158	7	4	10	4	10	167	7	4	11	4	11	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	1	2	1	2	292	12	0	0	0	0	297	13	0	0	0	0	280	12
Participation through alternate assessment (PAAP)	3	1	3	1	178	1	3	1	3	1	182	1	3	1	3	1	169	1
Identified disability (PET/IEP)	3	100	3	100	178	100	3	100	3	100	182	100	3	100	3	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	2	1	2	1	32	0	2	1	2	1	34	0	2	1	2	1	38	0
Non-participation – other	9	4	10	4	113	1	9	4	10	4	117	1	8	3	9	4	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:	Auburn School Department
School:	Auburn 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	28	11	28	11	2407	16
	2007-2008	38	15	38	15	3428	23
	2008-2009	**39**	**16**	**39**	**16**	**2857**	**20**
	Cum. Total*	105	14	105	14	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	125	48	125	48	7494	49
	2007-2008	123	49	123	49	7179	48
	2008-2009	**109**	**46**	**109**	**45**	**7431**	**51**
	Cum. Total*	357	48	357	47	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	74	28	76	29	3628	24
	2007-2008	54	21	54	21	2706	18
	2008-2009	**64**	**27**	**64**	**27**	**2979**	**21**
	Cum. Total*	192	26	194	26	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	33	13	32	12	1810	12
	2007-2008	37	15	37	15	1611	11
	2008-2009	**27**	**11**	**29**	**12**	**1214**	**8**
	Cum. Total*	97	13	98	13	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**	33.5	59.8	33.4	59.6	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	**20**	**36**	11.6	58.0	11.6	58.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	**36**	**64**	21.9	60.8	21.8	60.6	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: Auburn School Department
School: Auburn 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	239	39	16	109	46	64	27	27	11	847	241	16	45	27	12	847	14481	20	51	21	8	850
Ethnicity																						
African American/Black	17	2	12	6	35	5	29	4	24	840	17	12	35	29	24	840	362	8	43	29	20	843
American Indian or Native Alaskan	2										2						116	10	46	26	18	843
Asian or Pacific Islander	4										4						231	28	43	19	10	851
Hispanic	6	1	17	3	50	2	33	0	0	852	6	17	50	33	0	852	186	17	48	23	12	847
Caucasian/White	210	36	17	95	45	57	27	22	10	847	212	17	45	27	11	847	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	42	1	2	10	24	16	38	15	36	835	44	2	23	36	39	835	2256	2	25	40	34	834
No	197	38	19	99	50	48	24	12	6	850	197	19	50	24	6	850	12225	23	56	17	4	853
Current LEP																						
Yes	10	0	0	5	50	2	20	3	30	837	10	0	50	20	30	837	324	5	34	36	26	838
No	229	39	17	104	45	62	27	24	10	848	231	17	45	27	11	847	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	96	7	7	33	34	39	41	17	18	841	97	7	34	40	19	841	5277	10	46	29	15	844
No	143	32	22	76	53	25	17	10	7	851	144	22	53	17	8	851	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	239	39	16	109	46	64	27	27	11	847	241	16	45	27	12	847	14476	20	51	21	8	850
Gender																						
Female	124	27	22	53	43	34	27	10	8	850	124	22	43	27	8	850	7074	25	51	18	6	852
Male	115	12	10	56	49	30	26	17	15	844	117	10	48	26	16	844	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	239	39	16	109	46	64	27	27	11	847	241	16	45	27	12	847	13624	20	52	20	8	850
Gifted/talented program																						
Yes	11	9	82	2	18	0	0	0	0	870	11	82	18	0	0	870	700	69	30	1	0	867
No	228	30	13	107	47	64	28	27	12	846	230	13	47	28	13	846	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: Auburn School Department
School: Auburn 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	6	0	0	2	13	11	73	2	13	837	7	0	13	69	19	836	8	8	39	29	24	841
B. less than one hour	42	11	11	46	47	27	28	14	14	845	41	11	47	28	14	845	51	17	53	22	8	849
C. one to two hours	44	24	23	52	50	21	20	6	6	852	44	23	50	20	7	851	36	24	52	18	5	852
D. more than two hours	8	4	21	7	37	4	21	4	21	844	8	21	37	21	21	844	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	26	20	33	27	44	11	18	3	5	854	26	33	44	18	5	854	31	35	50	11	4	856
B. good	45	17	16	47	45	30	29	11	10	847	45	16	44	28	11	847	47	16	55	21	7	849
C. fair	24	2	4	27	48	18	32	9	16	842	24	4	47	32	18	842	18	5	47	33	15	842
D. poor	6	0	0	6	46	4	31	3	23	838	5	0	46	31	23	838	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.	23	10	19	29	55	10	19	4	8	850	22	19	55	19	8	850	32	27	54	14	5	853
B. They match some of what I have learned.	48	17	15	50	44	31	27	15	13	846	48	15	44	27	14	846	52	18	53	22	8	850
C. They match just a little of what I have learned.	23	11	21	22	42	15	28	5	9	849	23	20	41	28	11	848	12	11	45	29	15	844
D. There is no match.	7	1	6	6	38	7	44	2	13	841	7	6	38	44	13	841	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	22	3	6	22	42	20	38	7	13	842	23	6	41	37	17	841	15	13	42	28	17	844
B. about the same as my regular schoolwork	49	16	14	55	48	27	24	16	14	846	48	14	48	24	14	846	64	19	53	20	7	850
C. easier than my regular schoolwork	29	20	29	29	43	16	24	3	4	853	29	29	43	24	4	853	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.	9	0	0	9	45	7	35	4	20	839	9	0	41	32	27	837	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	50	14	12	47	41	39	34	16	14	844	50	12	41	34	14	844	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	41	25	27	49	52	15	16	5	5	853	41	27	52	16	5	853	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.	43	18	18	47	47	25	25	10	10	848	44	18	46	25	12	848	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	52	20	17	54	45	35	29	12	10	847	52	17	45	29	10	847	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	5	1	9	5	45	3	27	2	18	844	5	9	45	27	18	844	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	17	11	28	14	35	8	20	7	18	848	17	28	35	20	18	848	19	26	53	15	6	853
B. 20 minutes to an hour	36	17	20	38	45	25	29	5	6	849	37	20	44	29	8	849	40	25	52	17	6	852
C. less than 20 minutes	19	6	14	21	48	11	25	6	14	847	19	14	48	25	14	847	15	18	51	21	10	849
D. I rarely read at home.	28	5	8	34	52	19	29	8	12	844	28	8	52	29	12	844	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	45	27	25	53	50	16	15	10	9	852	46	25	49	15	11	851	42	27	51	15	6	853
B. agree	46	11	10	48	45	35	33	13	12	844	45	10	45	33	12	844	50	15	53	23	9	848
C. disagree	8	1	5	5	26	10	53	3	16	839	8	5	26	53	16	839	7	8	46	32	14	843
D. strongly disagree	1	0	0	1	50	1	50	0	0	845	1	0	50	50	0	845	2	6	39	35	21	840
Optional school/SAU question																						
A.	24	8	15	27	52	16	31	1	2	850	25	15	51	30	4	849						
B.	28	7	12	24	40	23	38	6	10	844	28	12	40	38	10	844						
C.	9	1	5	7	35	6	30	6	30	838	9	5	35	30	30	838						
D.	38	21	26	46	57	10	12	4	5	853	38	26	57	12	5	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:	Auburn School Department
School:	Auburn 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	42	16	42	16	1952	13
	2007-2008	33	13	33	13	1657	11
	2008-2009	**32**	**13**	**32**	**13**	**2116**	**15**
	Cum. Total*	107	14	107	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	88	34	88	33	5870	38
	2007-2008	95	38	95	38	5956	40
	2008-2009	**87**	**36**	**87**	**36**	**5443**	**38**
	Cum. Total*	270	36	270	36	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	72	27	72	27	3982	26
	2007-2008	69	27	69	27	3729	25
	2008-2009	**51**	**21**	**51**	**21**	**3556**	**25**
	Cum. Total*	192	25	192	25	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	60	23	61	23	3534	23
	2007-2008	55	22	55	22	3579	24
	2008-2009	**69**	**29**	**71**	**29**	**3356**	**23**
	Cum. Total*	184	24	187	25	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**	28.0	50.0	27.8	49.6	28.6	51.1
A. Number	**8**	**14**	3.3	41.3	3.3	41.3	3.7	46.3
B. Data	**16**	**29**	8.4	52.5	8.3	51.9	8.9	55.6
C. Geometry	**12**	**21**	5.3	44.2	5.3	44.2	5.0	41.7
D. Algebra	**20**	**36**	10.9	54.5	10.9	54.5	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: Auburn School Department
School: Auburn 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	239	32	13	87	36	51	21	69	29	841	241	13	36	21	29	841	14471	15	38	25	23	843
Ethnicity																						
African American/Black	17	0	0	5	29	3	18	9	53	830	17	0	29	18	53	830	367	6	24	26	44	831
American Indian or Native Alaskan	2										2						114	5	31	32	32	836
Asian or Pacific Islander	4										4						233	27	33	20	21	847
Hispanic	6	1	17	2	33	1	17	2	33	847	6	17	33	17	33	847	190	8	31	26	34	836
Caucasian/White	210	30	14	78	37	45	21	57	27	842	212	14	37	21	28	842	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	42	0	0	6	14	10	24	26	62	826	44	0	14	23	64	825	2242	2	12	22	63	824
No	197	32	16	81	41	41	21	43	22	845	197	16	41	21	22	845	12229	17	42	25	16	846
Current LEP																						
Yes	10	0	0	1	10	4	40	5	50	824	10	0	10	40	50	824	336	6	18	26	51	829
No	229	32	14	86	38	47	21	64	28	842	231	14	37	20	29	842	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	96	5	5	27	28	20	21	44	46	834	97	5	28	21	46	834	5270	6	30	28	36	835
No	143	27	19	60	42	31	22	25	17	846	144	19	42	22	18	846	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	239	32	13	87	36	51	21	69	29	841	241	13	36	21	29	841	14466	15	38	25	23	843
Gender																						
Female	124	19	15	45	36	27	22	33	27	843	124	15	36	22	27	843	7070	15	39	25	22	843
Male	115	13	11	42	37	24	21	36	31	840	117	11	36	21	32	839	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	239	32	13	87	36	51	21	69	29	841	241	13	36	21	29	841	13614	15	38	24	22	843
Gifted/talented program																						
Yes	11	10	91	1	9	0	0	0	0	873	11	91	9	0	0	873	700	68	27	3	1	866
No	228	22	10	86	38	51	22	69	30	840	230	10	37	22	31	840	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: Auburn School Department
School: Auburn 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	6	0	0	1	7	7	47	7	47	828	7	0	6	44	50	826	8	8	24	24	44	833
B. less than one hour	42	9	9	32	33	20	20	37	38	838	41	9	33	20	38	838	51	12	38	26	23	842
C. one to two hours	44	21	20	45	44	19	18	18	17	847	44	20	43	18	18	846	36	19	40	23	19	845
D. more than two hours	8	2	11	7	37	4	21	6	32	843	8	11	37	21	32	843	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	36	22	27	33	40	11	13	17	20	849	35	27	40	13	20	849	28	33	41	15	11	852
B. good	47	10	9	41	38	27	25	30	28	840	47	9	38	25	28	840	45	11	43	25	21	842
C. fair	15	0	0	10	29	9	26	15	44	833	15	0	29	26	46	832	21	3	27	35	35	834
D. poor	3	0	0	0	0	1	14	6	86	821	3	0	0	14	86	821	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.	26	13	22	22	37	9	15	16	27	846	25	22	37	15	27	846	28	23	41	21	15	848
B. They match some of what I have learned.	50	16	14	48	41	29	25	25	21	843	50	13	40	24	22	843	52	13	40	25	21	843
C. They match just a little of what I have learned.	18	2	5	13	30	9	21	19	44	834	19	5	30	20	45	833	16	8	28	30	34	836
D. There is no match.	6	1	7	2	14	3	21	8	57	832	6	7	14	21	57	832	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	28	3	5	15	23	22	33	26	39	833	29	4	22	33	40	833	32	6	34	29	32	837
B. about the same as my regular schoolwork	46	10	9	45	42	20	19	33	31	841	46	9	41	18	31	841	52	13	41	25	20	843
C. easier than my regular schoolwork	25	19	32	24	41	8	14	8	14	852	25	32	41	14	14	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.	47	12	11	40	37	23	21	33	31	841	47	11	36	21	32	840	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	46	15	14	42	40	23	22	26	25	842	46	14	40	22	25	842	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	7	5	31	2	13	4	25	5	31	842	7	31	13	25	31	842	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	39	17	18	40	43	19	21	16	17	847	39	18	43	20	18	846	34	18	40	22	20	845
B. two or three days a week	34	12	15	26	32	19	23	24	30	842	34	15	32	23	30	842	35	14	38	26	21	843
C. two or three times each month	17	1	3	13	33	11	28	15	38	835	17	3	33	28	38	835	18	12	37	27	24	841
D. never or almost never	9	2	9	6	27	1	5	13	59	830	10	9	26	4	61	829	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	9	1	5	4	19	8	38	8	38	834	9	5	19	38	38	834	9	13	38	23	26	841
B. two or three days a week	15	2	6	8	23	9	26	16	46	833	15	6	23	26	46	833	17	11	37	26	26	841
C. two or three times each month	37	16	18	36	41	15	17	20	23	846	37	18	41	17	23	846	28	15	40	25	20	844
D. never or almost never	39	13	14	37	40	18	20	24	26	842	40	14	39	19	28	841	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	50	24	20	46	39	27	23	21	18	847	51	20	38	23	19	846	52	19	41	22	18	846
B. agree	40	8	9	34	36	17	18	35	37	837	40	9	36	18	37	837	39	11	35	27	27	840
C. disagree	8	0	0	4	22	4	22	10	56	833	8	0	22	22	56	833	6	7	28	26	39	835
D. strongly disagree	2	0	0	1	20	2	40	2	40	832	2	0	20	40	40	832	3	4	25	28	43	832
Optional school/SAU question																						
A.	24	6	12	22	42	13	25	11	21	843	25	11	42	25	23	842						
B.	28	3	5	21	35	14	23	22	37	838	28	5	35	23	37	838						
C.	9	1	5	4	20	4	20	11	55	830	9	5	20	20	55	830						
D.	38	22	27	33	41	16	20	10	12	850	38	27	41	20	12	850						

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: Auburn School Department
School: Auburn 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*	21	9	21	9	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*	98	41	98	40	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*	70	29	70	29	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*	51	21	53	22	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**	28.7	51.3	28.6	51.1	32.0	57.1
D. The Physical Setting	**31**	**55**	15.7	50.6	15.6	50.3	17.1	55.2
D1/D2 Earth/Space	**17**	**30**	8.8	51.8	8.8	51.8	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	**14**	**25**	6.9	49.3	6.9	49.3	7.7	55.0
E. The Living Environment	**25**	**45**	13.0	52.0	12.9	51.6	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: Auburn School Department
School: Auburn 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	240	21	9	98	41	70	29	51	21	841	242	9	40	29	22	841	14263	15	47	26	12	846
Ethnicity																						
African American/Black	18	0	0	6	33	5	28	7	39	830	18	0	33	28	39	830	360	4	31	35	30	835
American Indian or Native Alaskan	2										2						114	8	39	31	22	839
Asian or Pacific Islander	4										4						230	20	44	23	13	848
Hispanic	6	0	0	2	33	2	33	2	33	836	6	0	33	33	33	836	184	9	45	29	16	842
Caucasian/White	210	20	10	87	41	62	30	41	20	842	212	9	41	29	20	841	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	43	1	2	3	7	18	42	21	49	828	45	2	7	40	51	828	2221	3	22	36	38	832
No	197	20	10	95	48	52	26	30	15	843	197	10	48	26	15	843	12042	17	51	24	7	848
Current LEP																						
Yes	10	0	0	2	20	4	40	4	40	828	10	0	20	40	40	828	331	4	20	39	37	832
No	230	21	9	96	42	66	29	47	20	841	232	9	41	28	21	841	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	97	3	3	26	27	39	40	29	30	835	98	3	27	40	31	835	5184	6	40	33	21	840
No	143	18	13	72	50	31	22	22	15	845	144	13	50	22	16	844	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	240	21	9	98	41	70	29	51	21	841	242	9	40	29	22	841	14258	15	47	26	12	846
Gender																						
Female	124	13	10	50	40	38	31	23	19	842	124	10	40	31	19	842	6953	14	47	28	11	846
Male	116	8	7	48	41	32	28	28	24	840	118	7	41	27	25	839	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	240	21	9	98	41	70	29	51	21	841	242	9	40	29	22	841	13435	16	48	25	12	846
Gifted/talented program																						
Yes	11	7	64	4	36	0	0	0	0	868	11	64	36	0	0	868	699	65	34	2	0	865
No	229	14	6	94	41	70	31	51	22	839	231	6	41	30	23	839	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: Auburn School Department
School: Auburn 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	6	0	0	2	13	6	40	7	47	828	7	0	13	38	50	827	8	8	34	28	30	837
B. less than one hour	42	7	7	32	33	29	30	30	31	838	41	7	33	30	31	838	51	14	48	27	11	846
C. one to two hours	44	11	11	55	53	28	27	9	9	846	44	11	53	27	10	846	36	19	48	24	9	848
D. more than two hours	8	3	16	8	42	5	26	3	16	842	8	16	42	26	16	842	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	12	18	31	46	16	24	9	13	847	29	17	45	23	14	847	23	27	47	17	8	851
B. good	49	9	8	48	42	33	29	24	21	841	48	8	42	29	21	841	53	15	50	26	10	847
C. fair	20	0	0	17	35	16	33	15	31	834	20	0	35	33	31	834	20	4	43	35	18	840
D. poor	2	0	0	1	20	3	60	1	20	831	3	0	17	50	33	829	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.	18	6	15	15	37	9	22	11	27	843	18	14	36	21	29	842	26	20	49	23	9	849
B. They match some of what I have learned.	54	10	8	51	41	37	30	27	22	840	54	8	40	29	22	840	51	14	48	26	11	846
C. They match just a little of what I have learned.	22	4	8	24	47	15	29	8	16	844	22	8	47	29	16	844	18	13	44	28	15	844
D. There is no match.	7	1	6	6	38	6	38	3	19	837	7	6	38	38	19	837	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	35	4	5	37	46	25	31	14	18	841	35	5	46	31	19	841	32	13	45	28	14	844
B. about the same as my regular schoolwork	52	12	10	51	43	31	26	25	21	842	51	10	43	26	21	842	56	15	49	25	11	847
C. easier than my regular schoolwork	13	5	16	8	26	10	32	8	26	839	14	16	25	31	28	838	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.	42	8	8	38	40	29	30	21	22	841	43	8	39	30	23	840	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	49	12	11	49	44	32	29	19	17	843	49	11	44	29	17	843	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	9	0	0	8	40	5	25	7	35	834	9	0	40	25	35	834	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	24	2	4	23	41	17	30	14	25	837	24	4	41	30	25	837	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	23	8	15	19	35	15	28	12	22	842	23	15	35	27	24	842	23	17	49	22	12	847
C. the course(s) described in B, plus physics	20	9	20	26	57	7	15	4	9	850	20	20	57	15	9	850	21	31	44	17	7	852
D. a life science and physical science class	33	1	1	29	38	28	36	19	25	838	33	1	37	36	26	837	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	31	12	17	31	43	19	26	10	14	846	31	16	42	26	16	845	27	23	47	20	10	849
B. agree	32	4	5	31	42	22	30	17	23	839	31	5	42	30	23	839	37	14	47	27	12	846
C. disagree	24	4	7	22	39	14	25	16	29	838	24	7	39	25	29	838	25	11	48	29	12	845
D. strongly disagree	13	1	3	13	42	11	35	6	19	839	13	3	42	35	19	839	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	37	12	14	44	51	14	16	16	19	845	37	14	50	16	20	844	31	22	46	22	10	849
B. agree	46	9	8	36	33	37	34	26	24	839	46	8	33	34	24	839	50	14	49	26	11	846
C. disagree	13	0	0	13	43	13	43	4	13	840	13	0	43	43	13	840	14	9	45	31	15	843
D. strongly disagree	4	0	0	4	40	3	30	3	30	836	4	0	40	30	30	836	5	3	38	34	25	837
Optional school/SAU question																						
A.	24	5	10	21	40	19	37	7	13	842	25	9	40	36	15	842						
B.	28	4	7	21	35	24	40	11	18	840	28	7	35	40	18	840						
C.	9	0	0	2	10	6	30	12	60	826	9	0	10	30	60	826						
D.	38	11	14	50	62	14	17	6	7	848	38	14	62	17	7	848						

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