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:	12851836
SAU:	Southern Aroostook CSD
School:	SO Aroostook CSD 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.

Topic ***Page***

Summary of Scores 2
Summary of Student Participation 3
English Language Arts – Reading Results 4-6
Mathematics Results. 7-9
Science Results 10-12

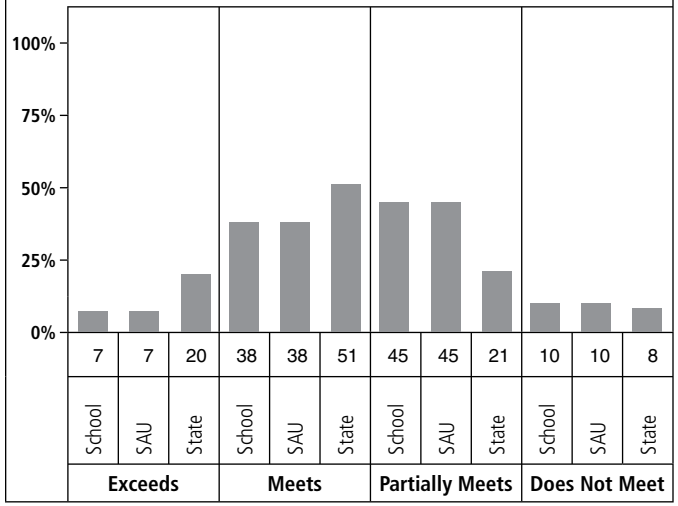
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Southern Aroostook CSD
School: SO Aroostook CSD School

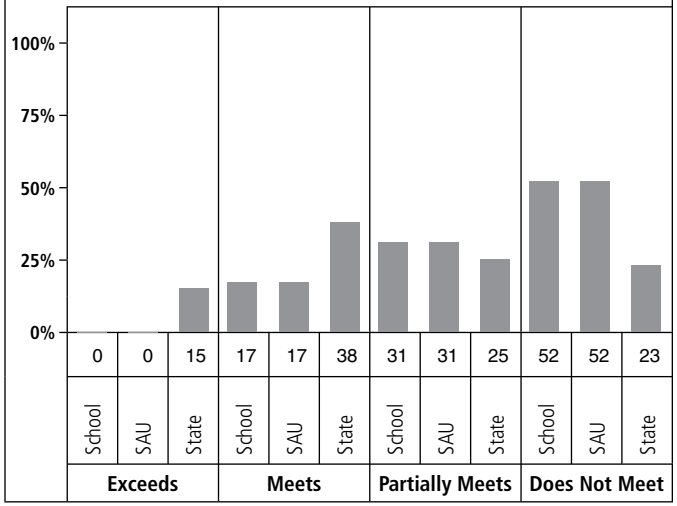
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	843	843	847
2007–2008	845	845	849
2008–2009	**841**	**841**	**850**
Cum. Avg.*	843	843	849
Mathematics			
2006–2007	837	837	842
2007–2008	836	835	841
2008–2009	**829**	**829**	**843**
Cum. Avg.*	834	834	842
Science			
2008-2009 **	**833**	**833**	**846**

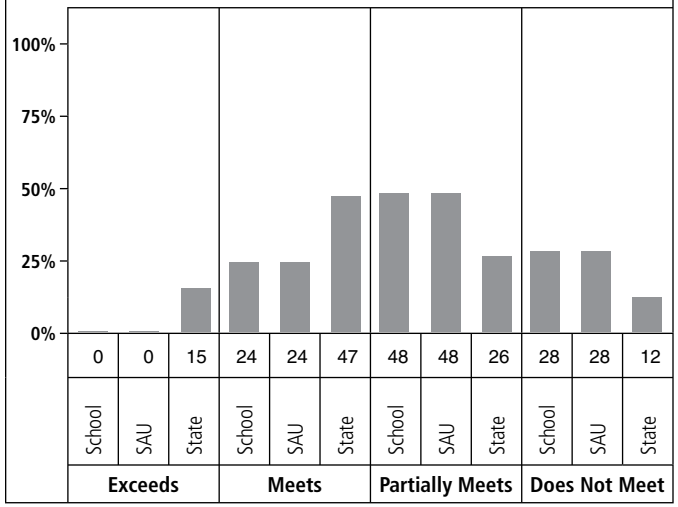
ELA – READING



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: Southern Aroostook CSD
School: SO Aroostook CSD 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	29	100	29	100	14804	100	29	100	29	100	14659	99	29	100	29	100	14653	99	29	100	29	100	14626	99
Ethnicity African American/Black	0	0	0	0	377	3	0	0	0	0	366	97	0	0	0	0	371	98	0	0	0	0	367	97
American Indian or Native Alaskan	1	3	1	3	119	1	1	100	1	100	117	99	1	100	1	100	115	97	1	100	1	100	116	98
Asian or Pacific Islander	0	0	0	0	238	2	0	0	0	0	232	97	0	0	0	0	234	98	0	0	0	0	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	28	97	28	97	13878	94	28	100	28	100	13756	99	28	100	28	100	13742	99	28	100	28	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	9	31	9	31	2489	17	9	100	9	100	2434	99	9	100	9	100	2424	98	9	100	9	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	16	55	16	55	5460	37	16	100	16	100	5380	99	16	100	16	100	5377	99	16	100	16	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	20	69	20	69	12132	82	20	69	20	69	12124	82	20	69	20	69	12169	82
Identified disability (PET/IEP)	0	0	0	0	379	3	0	0	0	0	380	3	0	0	0	0	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	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	9	31	9	31	2349	16	9	31	9	31	2347	16	9	31	9	31	2288	15
Identified disability (PET/IEP)	9	100	9	100	1877	80	9	100	9	100	1862	79	9	100	9	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	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	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:	Southern Aroostook CSD
School:	SO Aroostook CSD 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	4	13	4	13	2407	16
	2007-2008	4	12	4	12	3428	23
	2008-2009	**2**	**7**	**2**	**7**	**2857**	**20**
	Cum. Total*	10	11	10	11	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	14	45	14	45	7494	49
	2007-2008	19	56	18	55	7179	48
	2008-2009	**11**	**38**	**11**	**38**	**7431**	**51**
	Cum. Total*	44	47	43	46	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	4	13	4	13	3628	24
	2007-2008	5	15	5	15	2706	18
	2008-2009	**13**	**45**	**13**	**45**	**2979**	**21**
	Cum. Total*	22	23	22	24	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	9	29	9	29	1810	12
	2007-2008	6	18	6	18	1611	11
	2008-2009	**3**	**10**	**3**	**10**	**1214**	**8**
	Cum. Total*	18	19	18	19	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**	29.5	52.7	29.5	52.7	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	**20**	**36**	10.0	50.0	10.0	50.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	**36**	**64**	19.6	54.4	19.6	54.4	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: Southern Aroostook CSD
School: SO Aroostook CSD 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	29	2	7	11	38	13	45	3	10	841	29	7	38	45	10	841	14481	20	51	21	8	850
Ethnicity																						
African American/Black	0										0						362	8	43	29	20	843
American Indian or Native Alaskan	1										1						116	10	46	26	18	843
Asian or Pacific Islander	0										0						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	28	1	4	11	39	13	46	3	11	840	28	4	39	46	11	840	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	1	11	6	67	2	22	833	9	0	11	67	22	833	2256	2	25	40	34	834
No	20	2	10	10	50	7	35	1	5	845	20	10	50	35	5	845	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	29	2	7	11	38	13	45	3	10	841	29	7	38	45	10	841	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	16	0	0	6	38	8	50	2	13	839	16	0	38	50	13	839	5277	10	46	29	15	844
No	13	2	15	5	38	5	38	1	8	844	13	15	38	38	8	844	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	29	2	7	11	38	13	45	3	10	841	29	7	38	45	10	841	14476	20	51	21	8	850
Gender																						
Female	19	1	5	9	47	9	47	0	0	844	19	5	47	47	0	844	7074	25	51	18	6	852
Male	10	1	10	2	20	4	40	3	30	836	10	10	20	40	30	836	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	29	2	7	11	38	13	45	3	10	841	29	7	38	45	10	841	13624	20	52	20	8	850
Gifted/talented program																						
Yes	0										0						700	69	30	1	0	867
No	29	2	7	11	38	13	45	3	10	841	29	7	38	45	10	841	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: Southern Aroostook CSD
School: SO Aroostook CSD 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	21	0	0	2	33	3	50	1	17	836	21	0	33	50	17	836	8	8	39	29	24	841
B. less than one hour	45	1	8	3	23	7	54	2	15	840	45	8	23	54	15	840	51	17	53	22	8	849
C. one to two hours	31	1	11	5	56	3	33	0	0	845	31	11	56	33	0	845	36	24	52	18	5	852
D. more than two hours	3	0	0	1	100	0	0	0	0	858	3	0	100	0	0	858	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	21	1	17	4	67	1	17	0	0	852	21	17	67	17	0	852	31	35	50	11	4	856
B. good	52	1	7	6	40	8	53	0	0	842	52	7	40	53	0	842	47	16	55	21	7	849
C. fair	24	0	0	1	14	4	57	2	29	833	24	0	14	57	29	833	18	5	47	33	15	842
D. poor	3	0	0	0	0	0	0	1	100	826	3	0	0	0	100	826	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.	34	1	10	4	40	5	50	0	0	845	34	10	40	50	0	845	32	27	54	14	5	853
B. They match some of what I have learned.	52	1	7	5	33	7	47	2	13	839	52	7	33	47	13	839	52	18	53	22	8	850
C. They match just a little of what I have learned.	10	0	0	2	67	1	33	0	0	843	10	0	67	33	0	843	12	11	45	29	15	844
D. There is no match.	3	0	0	0	0	0	0	1	100	826	3	0	0	0	100	826	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	10	0	0	1	33	1	33	1	33	831	10	0	33	33	33	831	15	13	42	28	17	844
B. about the same as my regular schoolwork	79	2	9	9	39	11	48	1	4	843	79	9	39	48	4	843	64	19	53	20	7	850
C. easier than my regular schoolwork	10	0	0	1	33	1	33	1	33	835	10	0	33	33	33	835	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.	10	0	0	0	0	3	100	0	0	833	10	0	0	100	0	833	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	52	2	13	3	20	8	53	2	13	839	52	13	20	53	13	839	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	38	0	0	8	73	2	18	1	9	846	38	0	73	18	9	846	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.	29	0	0	1	13	6	75	1	13	835	29	0	13	75	13	835	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	61	2	12	8	47	6	35	1	6	845	61	12	47	35	6	845	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	11	0	0	2	67	0	0	1	33	839	11	0	67	0	33	839	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	24	0	0	4	57	3	43	0	0	843	24	0	57	43	0	843	19	26	53	15	6	853
B. 20 minutes to an hour	24	1	14	2	29	3	43	1	14	843	24	14	29	43	14	843	40	25	52	17	6	852
C. less than 20 minutes	21	0	0	3	50	3	50	0	0	844	21	0	50	50	0	844	15	18	51	21	10	849
D. I rarely read at home.	31	1	11	2	22	4	44	2	22	838	31	11	22	44	22	838	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	41	1	8	7	58	4	33	0	0	847	41	8	58	33	0	847	42	27	51	15	6	853
B. agree	55	1	6	4	25	9	56	2	13	838	55	6	25	56	13	838	50	15	53	23	9	848
C. disagree	0										0						7	8	46	32	14	843
D. strongly disagree	3	0	0	0	0	0	0	1	100	826	3	0	0	0	100	826	2	6	39	35	21	840
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	0	0	0	0	1	100	826	100	0	0	0	100	826						
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:	Southern Aroostook CSD
School:	SO Aroostook CSD 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	1	3	1	3	1952	13
	2007-2008	1	3	1	3	1657	11
	2008-2009	**0**	**0**	**0**	**0**	**2116**	**15**
	Cum. Total*	2	2	2	2	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	12	39	12	39	5870	38
	2007-2008	11	32	10	30	5956	40
	2008-2009	**5**	**17**	**5**	**17**	**5443**	**38**
	Cum. Total*	28	30	27	29	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	9	29	9	29	3982	26
	2007-2008	11	32	11	33	3729	25
	2008-2009	**9**	**31**	**9**	**31**	**3556**	**25**
	Cum. Total*	29	31	29	31	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	9	29	9	29	3534	23
	2007-2008	11	32	11	33	3579	24
	2008-2009	**15**	**52**	**15**	**52**	**3356**	**23**
	Cum. Total*	35	37	35	38	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**	19.9	35.5	19.9	35.5	28.6	51.1
A. Number	**8**	**14**	2.4	30.0	2.4	30.0	3.7	46.3
B. Data	**16**	**29**	6.1	38.1	6.1	38.1	8.9	55.6
C. Geometry	**12**	**21**	3.5	29.2	3.5	29.2	5.0	41.7
D. Algebra	**20**	**36**	8.0	40.0	8.0	40.0	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: Southern Aroostook CSD
School: SO Aroostook CSD 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	29	0	0	5	17	9	31	15	52	829	29	0	17	31	52	829	14471	15	38	25	23	843
Ethnicity																						
African American/Black	0										0						367	6	24	26	44	831
American Indian or Native Alaskan	1										1						114	5	31	32	32	836
Asian or Pacific Islander	0										0						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	28	0	0	5	18	9	32	14	50	829	28	0	18	32	50	829	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	2	22	1	11	6	67	822	9	0	22	11	67	822	2242	2	12	22	63	824
No	20	0	0	3	15	8	40	9	45	832	20	0	15	40	45	832	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	29	0	0	5	17	9	31	15	52	829	29	0	17	31	52	829	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	16	0	0	4	25	4	25	8	50	831	16	0	25	25	50	831	5270	6	30	28	36	835
No	13	0	0	1	8	5	38	7	54	827	13	0	8	38	54	827	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	29	0	0	5	17	9	31	15	52	829	29	0	17	31	52	829	14466	15	38	25	23	843
Gender																						
Female	19	0	0	3	16	6	32	10	53	829	19	0	16	32	53	829	7070	15	39	25	22	843
Male	10	0	0	2	20	3	30	5	50	829	10	0	20	30	50	829	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	29	0	0	5	17	9	31	15	52	829	29	0	17	31	52	829	13614	15	38	24	22	843
Gifted/talented program																						
Yes	0										0						700	68	27	3	1	866
No	29	0	0	5	17	9	31	15	52	829	29	0	17	31	52	829	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: Southern Aroostook CSD
School: SO Aroostook CSD 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	21	0	0	1	17	3	50	2	33	835	21	0	17	50	33	835	8	8	24	24	44	833
B. less than one hour	45	0	0	1	8	4	31	8	62	826	45	0	8	31	62	826	51	12	38	26	23	842
C. one to two hours	31	0	0	2	22	2	22	5	56	827	31	0	22	22	56	827	36	19	40	23	19	845
D. more than two hours	3	0	0	1	100	0	0	0	0	846	3	0	100	0	0	846	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	10	0	0	1	33	2	67	0	0	839	10	0	33	67	0	839	28	33	41	15	11	852
B. good	48	0	0	2	14	3	21	9	64	826	48	0	14	21	64	826	45	11	43	25	21	842
C. fair	34	0	0	2	20	3	30	5	50	830	34	0	20	30	50	830	21	3	27	35	35	834
D. poor	7	0	0	0	0	1	50	1	50	828	7	0	0	50	50	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.	14	0	0	0	0	1	25	3	75	824	14	0	0	25	75	824	28	23	41	21	15	848
B. They match some of what I have learned.	59	0	0	3	18	4	24	10	59	827	59	0	18	24	59	827	52	13	40	25	21	843
C. They match just a little of what I have learned.	24	0	0	1	14	4	57	2	29	833	24	0	14	57	29	833	16	8	28	30	34	836
D. There is no match.	3	0	0	1	100	0	0	0	0	846	3	0	100	0	0	846	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	57	0	0	3	19	5	31	8	50	829	57	0	19	31	50	829	32	6	34	29	32	837
B. about the same as my regular schoolwork	39	0	0	2	18	2	18	7	64	827	39	0	18	18	64	827	52	13	41	25	20	843
C. easier than my regular schoolwork	4	0	0	0	0	1	100	0	0	836	4	0	0	100	0	836	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.	38	0	0	2	18	2	18	7	64	826	38	0	18	18	64	826	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	45	0	0	2	15	6	46	5	38	832	45	0	15	46	38	832	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	17	0	0	1	20	1	20	3	60	826	17	0	20	20	60	826	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	83	0	0	5	21	8	33	11	46	831	83	0	21	33	46	831	34	18	40	22	20	845
B. two or three days a week	14	0	0	0	0	0	0	4	100	816	14	0	0	0	100	816	35	14	38	26	21	843
C. two or three times each month	3	0	0	0	0	1	100	0	0	836	3	0	0	100	0	836	18	12	37	27	24	841
D. never or almost never	0										0						13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	0										0						9	13	38	23	26	841
B. two or three days a week	14	0	0	0	0	2	50	2	50	831	14	0	0	50	50	831	17	11	37	26	26	841
C. two or three times each month	17	0	0	1	20	1	20	3	60	820	17	0	20	20	60	820	28	15	40	25	20	844
D. never or almost never	69	0	0	4	20	6	30	10	50	831	69	0	20	30	50	831	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	48	0	0	4	29	3	21	7	50	829	48	0	29	21	50	829	52	19	41	22	18	846
B. agree	45	0	0	1	8	6	46	6	46	829	45	0	8	46	46	829	39	11	35	27	27	840
C. disagree	3	0	0	0	0	0	0	1	100	828	3	0	0	0	100	828	6	7	28	26	39	835
D. strongly disagree	3	0	0	0	0	0	0	1	100	826	3	0	0	0	100	826	3	4	25	28	43	832
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	0	0	1	100	0	0	834	100	0	0	100	0	834						
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:	Southern Aroostook CSD
School:	SO Aroostook CSD 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*	0	0	0	0	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*	7	24	7	24	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*	14	48	14	48	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*	8	28	8	28	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	23.9	42.7	23.9	42.7	32.0	57.1
D. The Physical Setting	31	55	12.8	41.3	12.8	41.3	17.1	55.2
D1/D2 Earth/Space	17	30	6.8	40.0	6.8	40.0	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	6.0	42.9	6.0	42.9	7.7	55.0
E. The Living Environment	25	45	11.1	44.4	11.1	44.4	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: Southern Aroostook CSD
School: SO Aroostook CSD 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	29	0	0	7	24	14	48	8	28	833	29	0	24	48	28	833	14263	15	47	26	12	846
Ethnicity																						
African American/Black	0										0						360	4	31	35	30	835
American Indian or Native Alaskan	1										1						114	8	39	31	22	839
Asian or Pacific Islander	0										0						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	28	0	0	6	21	14	50	8	29	833	28	0	21	50	29	833	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	2	22	3	33	4	44	828	9	0	22	33	44	828	2221	3	22	36	38	832
No	20	0	0	5	25	11	55	4	20	836	20	0	25	55	20	836	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	29	0	0	7	24	14	48	8	28	833	29	0	24	48	28	833	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	16	0	0	4	25	7	44	5	31	833	16	0	25	44	31	833	5184	6	40	33	21	840
No	13	0	0	3	23	7	54	3	23	834	13	0	23	54	23	834	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	29	0	0	7	24	14	48	8	28	833	29	0	24	48	28	833	14258	15	47	26	12	846
Gender																						
Female	19	0	0	4	21	11	58	4	21	834	19	0	21	58	21	834	6953	14	47	28	11	846
Male	10	0	0	3	30	3	30	4	40	832	10	0	30	30	40	832	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	29	0	0	7	24	14	48	8	28	833	29	0	24	48	28	833	13435	16	48	25	12	846
Gifted/talented program																						
Yes	0										0						699	65	34	2	0	865
No	29	0	0	7	24	14	48	8	28	833	29	0	24	48	28	833	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: Southern Aroostook CSD
School: SO Aroostook CSD 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	21	0	0	2	33	3	50	1	17	837	21	0	33	50	17	837	8	8	34	28	30	837
B. less than one hour	45	0	0	1	8	6	46	6	46	827	45	0	8	46	46	827	51	14	48	27	11	846
C. one to two hours	31	0	0	3	33	5	56	1	11	838	31	0	33	56	11	838	36	19	48	24	9	848
D. more than two hours	3	0	0	1	100	0	0	0	0	846	3	0	100	0	0	846	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	24	0	0	0	0	5	71	2	29	829	24	0	0	71	29	829	23	27	47	17	8	851
B. good	59	0	0	7	41	6	35	4	24	837	59	0	41	35	24	837	53	15	50	26	10	847
C. fair	14	0	0	0	0	3	75	1	25	830	14	0	0	75	25	830	20	4	43	35	18	840
D. poor	3	0	0	0	0	0	0	1	100	814	3	0	0	0	100	814	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.	17	0	0	0	0	3	60	2	40	831	17	0	0	60	40	831	26	20	49	23	9	849
B. They match some of what I have learned.	55	0	0	6	38	4	25	6	38	832	55	0	38	25	38	832	51	14	48	26	11	846
C. They match just a little of what I have learned.	24	0	0	0	0	7	100	0	0	835	24	0	0	100	0	835	18	13	44	28	15	844
D. There is no match.	3	0	0	1	100	0	0	0	0	850	3	0	100	0	0	850	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	38	0	0	3	27	5	45	3	27	833	38	0	27	45	27	833	32	13	45	28	14	844
B. about the same as my regular schoolwork	45	0	0	3	23	5	38	5	38	832	45	0	23	38	38	832	56	15	49	25	11	847
C. easier than my regular schoolwork	17	0	0	1	20	4	80	0	0	838	17	0	20	80	0	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.	38	0	0	2	18	7	64	2	18	832	38	0	18	64	18	832	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	59	0	0	5	29	7	41	5	29	835	59	0	29	41	29	835	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	3	0	0	0	0	0	0	1	100	822	3	0	0	0	100	822	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	41	0	0	5	42	4	33	3	25	836	41	0	42	33	25	836	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	17	0	0	1	20	2	40	2	40	828	17	0	20	40	40	828	23	17	49	22	12	847
C. the course(s) described in B, plus physics	10	0	0	0	0	3	100	0	0	834	10	0	0	100	0	834	21	31	44	17	7	852
D. a life science and physical science class	31	0	0	1	11	5	56	3	33	832	31	0	11	56	33	832	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	24	0	0	0	0	5	71	2	29	829	24	0	0	71	29	829	27	23	47	20	10	849
B. agree	24	0	0	1	14	4	57	2	29	833	24	0	14	57	29	833	37	14	47	27	12	846
C. disagree	38	0	0	4	36	4	36	3	27	835	38	0	36	36	27	835	25	11	48	29	12	845
D. strongly disagree	14	0	0	2	50	1	25	1	25	836	14	0	50	25	25	836	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	34	0	0	1	10	8	80	1	10	835	34	0	10	80	10	835	31	22	46	22	10	849
B. agree	48	0	0	4	29	4	29	6	43	831	48	0	29	29	43	831	50	14	49	26	11	846
C. disagree	10	0	0	1	33	2	67	0	0	838	10	0	33	67	0	838	14	9	45	31	15	843
D. strongly disagree	7	0	0	1	50	0	0	1	50	831	7	0	50	0	50	831	5	3	38	34	25	837
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	0	0	0	0	1	100	812	100	0	0	0	100	812						
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