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:	12161560
SAU:	MSAD 22
School:	Reeds Brook 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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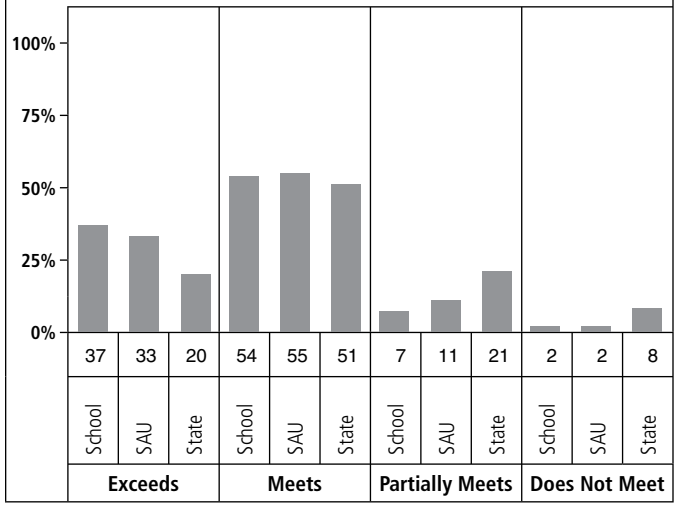
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: MSAD 22
School: Reeds Brook Middle School

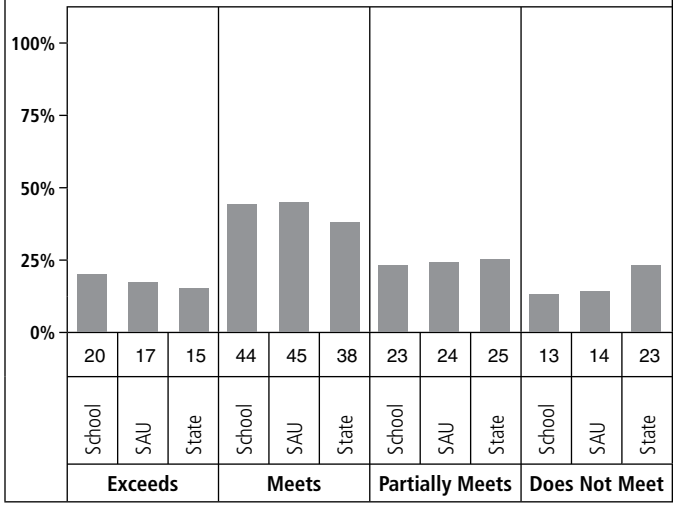
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	854	854	847
2007–2008	857	856	849
2008–2009	**858**	**856**	**850**
Cum. Avg.*	856	855	849
Mathematics			
2006–2007	848	846	842
2007–2008	849	846	841
2008–2009	**848**	**846**	**843**
Cum. Avg.*	848	846	842
Science			
2008-2009 **	**850**	**849**	**846**

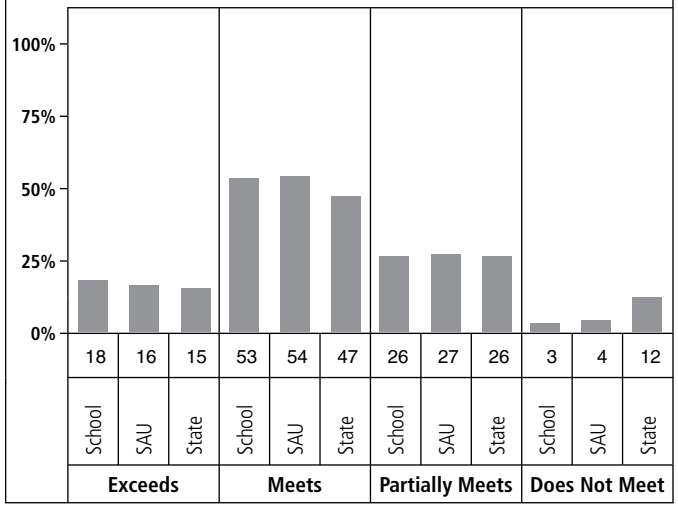
ELA – READING



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: MSAD 22
School: Reeds Brook 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	149	100	193	100	14804	100	146	98	190	98	14659	99	148	99	192	99	14653	99	148	99	192	99	14626	99
Ethnicity African American/Black	2	1	2	1	377	3	1	50	1	50	366	97	2	100	2	100	371	98	1	50	1	50	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	1	1	1	1	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	2	1	2	1	192	1	2	100	2	100	188	98	2	100	2	100	191	100	2	100	2	100	190	99
Caucasian/White	142	95	186	96	13878	94	140	99	184	99	13756	99	141	99	185	99	13742	99	142	100	186	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	29	19	38	20	2489	17	29	100	38	100	2434	99	29	100	38	100	2424	98	29	100	38	100	2418	98
Current LEP	1	1	1	1	349	2	0	0	0	0	331	95	1	100	1	100	342	98	0	0	0	0	338	97
Economically disadvantaged	23	15	41	21	5460	37	23	100	41	100	5380	99	23	100	41	100	5377	99	23	100	41	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	124	83	159	82	12132	82	125	84	160	83	12124	82	126	85	161	83	12169	82
Identified disability (PET/IEP)	7	6	7	4	379	3	7	6	7	4	380	3	7	6	7	4	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	4	3	6	4	200	2	4	3	6	4	200	2	4	3	6	4	202	2
Participation with accommodations	22	15	31	16	2349	16	23	15	32	17	2347	16	22	15	31	16	2288	15
Identified disability (PET/IEP)	22	100	31	100	1877	80	22	96	31	97	1862	79	22	100	31	100	1824	80
LEP	0	0	0	0	158	7	1	4	1	3	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	3	2	3	2	113	1	1	1	1	1	117	1	1	1	1	1	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:	MSAD 22
School:	Reeds Brook 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	48	34	58	29	2407	16
	2007-2008	49	41	69	38	3428	23
	2008-2009	**54**	**37**	**62**	**33**	**2857**	**20**
	Cum. Total*	151	37	189	33	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	61	43	94	48	7494	49
	2007-2008	55	46	85	47	7179	48
	2008-2009	**79**	**54**	**105**	**55**	**7431**	**51**
	Cum. Total*	195	48	284	50	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	27	19	37	19	3628	24
	2007-2008	13	11	23	13	2706	18
	2008-2009	**10**	**7**	**20**	**11**	**2979**	**21**
	Cum. Total*	50	12	80	14	9313	21
Does Not Meet the Standards – The student's work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student's responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	5	4	8	4	1810	12
	2007-2008	2	2	3	2	1611	11
	2008-2009	**3**	**2**	**3**	**2**	**1214**	**8**
	Cum. Total*	10	2	14	2	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**	40.8	72.9	39.8	71.1	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	**20**	**36**	14.2	71.0	13.9	69.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	**36**	**64**	26.6	73.9	25.9	71.9	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: MSAD 22
School: Reeds Brook 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	146	54	37	79	54	10	7	3	2	858	190	33	55	11	2	856	14481	20	51	21	8	850
Ethnicity																						
African American/Black	1										1						362	8	43	29	20	843
American Indian or Native Alaskan	2										2						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	2										2						186	17	48	23	12	847
Caucasian/White	140	52	37	75	54	10	7	3	2	858	184	33	55	11	2	856	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	29	4	14	13	45	9	31	3	10	846	38	11	47	34	8	846	2256	2	25	40	34	834
No	117	50	43	66	56	1	1	0	0	861	152	38	57	5	0	859	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	146	54	37	79	54	10	7	3	2	858	190	33	55	11	2	856	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	23	8	35	11	48	4	17	0	0	855	41	22	56	22	0	851	5277	10	46	29	15	844
No	123	46	37	68	55	6	5	3	2	858	149	36	55	7	2	857	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	146	54	37	79	54	10	7	3	2	858	190	33	55	11	2	856	14476	20	51	21	8	850
Gender																						
Female	69	31	45	37	54	1	1	0	0	861	91	40	56	4	0	859	7074	25	51	18	6	852
Male	77	23	30	42	55	9	12	3	4	855	99	26	55	16	3	854	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	146	54	37	79	54	10	7	3	2	858	190	33	55	11	2	856	13624	20	52	20	8	850
Gifted/talented program																						
Yes	16	13	81	3	19	0	0	0	0	870	20	80	20	0	0	870	700	69	30	1	0	867
No	130	41	32	76	58	10	8	3	2	856	170	27	59	12	2	855	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: MSAD 22
School: Reeds Brook 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	2	1	33	2	67	0	0	0	0	863	2	33	67	0	0	863	8	8	39	29	24	841
B. less than one hour	37	21	39	30	56	2	4	1	2	857	40	35	53	11	1	855	51	17	53	22	8	849
C. one to two hours	49	24	33	39	54	8	11	1	1	858	46	29	56	14	1	856	36	24	52	18	5	852
D. more than two hours	12	8	47	8	47	0	0	1	6	858	13	42	54	0	4	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	38	28	50	28	50	0	0	0	0	863	35	53	47	0	0	863	31	35	50	11	4	856
B. good	51	25	34	40	54	9	12	0	0	856	52	27	59	14	0	855	47	16	55	21	7	849
C. fair	8	1	9	8	73	0	0	2	18	847	8	6	63	19	13	845	18	5	47	33	15	842
D. poor	3	0	0	3	60	1	20	1	20	842	5	0	56	33	11	841	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.	28	19	46	21	51	1	2	0	0	861	30	40	51	9	0	858	32	27	54	14	5	853
B. They match some of what I have learned.	63	32	35	50	54	8	9	2	2	857	61	31	57	10	2	856	52	18	53	22	8	850
C. They match just a little of what I have learned.	6	3	33	5	56	1	11	0	0	855	6	25	50	25	0	851	12	11	45	29	15	844
D. There is no match.	3	0	0	3	75	0	0	1	25	847	2	0	75	0	25	847	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	14	10	50	6	30	2	10	2	10	857	15	36	39	18	7	853	15	13	42	28	17	844
B. about the same as my regular schoolwork	59	29	34	51	60	5	6	0	0	858	61	32	59	9	0	857	64	19	53	20	7	850
C. easier than my regular schoolwork	28	15	38	21	53	3	8	1	3	858	24	33	54	11	2	856	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	6	1	11	7	78	0	0	1	11	850	9	6	56	31	6	846	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	53	20	26	48	63	6	8	2	3	855	50	23	66	9	2	854	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	41	32	54	23	39	4	7	0	0	862	41	49	42	9	0	860	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	44	23	36	37	58	3	5	1	2	858	46	34	56	9	1	857	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	53	30	39	39	51	7	9	1	1	858	52	33	55	11	1	856	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	3	1	25	2	50	0	0	1	25	850	2	25	50	0	25	850	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	19	13	46	15	54	0	0	0	0	862	20	42	55	3	0	860	19	26	53	15	6	853
B. 20 minutes to an hour	39	20	35	30	53	6	11	1	2	857	39	33	55	11	1	857	40	25	52	17	6	852
C. less than 20 minutes	23	17	50	15	44	2	6	0	0	859	22	43	48	10	0	858	15	18	51	21	10	849
D. I rarely read at home.	18	4	15	18	69	2	8	2	8	852	19	11	63	20	6	849	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	29	53	26	47	0	0	0	0	862	35	48	49	3	0	861	42	27	51	15	6	853
B. agree	53	21	27	45	58	9	12	2	3	856	53	26	58	14	2	855	50	15	53	23	9	848
C. disagree	8	4	36	6	55	1	9	0	0	856	8	25	50	25	0	850	7	8	46	32	14	843
D. strongly disagree	2	0	0	2	67	0	0	1	33	840	3	0	80	0	20	843	2	6	39	35	21	840
Optional school/SAU question																						
A.	42	0	0	5	100	0	0	0	0	855	42	0	100	0	0	855						
B.	17	1	50	0	0	1	50	0	0	858	17	50	0	50	0	858						
C.	17	2	100	0	0	0	0	0	0	867	17	100	0	0	0	867						
D.	25	1	33	2	67	0	0	0	0	861	25	33	67	0	0	861						

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:	MSAD 22
School:	Reeds Brook 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	28	20	32	16	1952	13
	2007-2008	24	20	31	17	1657	11
	2008-2009	**30**	**20**	**32**	**17**	**2116**	**15**
	Cum. Total*	82	20	95	17	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	64	45	88	45	5870	38
	2007-2008	58	49	78	43	5956	40
	2008-2009	**65**	**44**	**87**	**45**	**5443**	**38**
	Cum. Total*	187	46	253	44	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	33	23	48	24	3982	26
	2007-2008	21	18	41	23	3729	25
	2008-2009	**34**	**23**	**46**	**24**	**3556**	**25**
	Cum. Total*	88	22	135	24	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	16	11	29	15	3534	23
	2007-2008	16	13	30	17	3579	24
	2008-2009	**19**	**13**	**27**	**14**	**3356**	**23**
	Cum. Total*	51	13	86	15	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**	31.7	56.6	30.8	55.0	28.6	51.1
A. Number	**8**	**14**	4.1	51.3	4.0	50.0	3.7	46.3
B. Data	**16**	**29**	10.1	63.1	9.8	61.3	8.9	55.6
C. Geometry	**12**	**21**	5.4	45.0	5.5	45.8	5.0	41.7
D. Algebra	**20**	**36**	12.0	60.0	11.5	57.5	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: MSAD 22
School: Reeds Brook 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	148	30	20	65	44	34	23	19	13	848	192	17	45	24	14	846	14471	15	38	25	23	843
Ethnicity																						
African American/Black	2										2						367	6	24	26	44	831
American Indian or Native Alaskan	2										2						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	2										2						190	8	31	26	34	836
Caucasian/White	141	28	20	64	45	31	22	18	13	848	185	16	46	23	14	846	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	29	2	7	5	17	9	31	13	45	833	38	8	21	32	39	834	2242	2	12	22	63	824
No	119	28	24	60	50	25	21	6	5	852	154	19	51	22	8	849	12229	17	42	25	16	846
Current LEP																						
Yes	1										1						336	6	18	26	51	829
No	147	30	20	65	44	33	22	19	13	848	191	17	46	24	14	846	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	23	2	9	8	35	10	43	3	13	842	41	7	29	46	17	840	5270	6	30	28	36	835
No	125	28	22	57	46	24	19	16	13	849	151	19	50	18	13	848	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	148	30	20	65	44	34	23	19	13	848	192	17	45	24	14	846	14466	15	38	25	23	843
Gender																						
Female	69	13	19	35	51	13	19	8	12	849	91	15	51	21	13	847	7070	15	39	25	22	843
Male	79	17	22	30	38	21	27	11	14	847	101	18	41	27	15	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	148	30	20	65	44	34	23	19	13	848	192	17	45	24	14	846	13614	15	38	24	22	843
Gifted/talented program																						
Yes	16	14	88	2	13	0	0	0	0	870	20	70	30	0	0	867	700	68	27	3	1	866
No	132	16	12	63	48	34	26	19	14	845	172	10	47	27	16	844	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: MSAD 22
School: Reeds Brook 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	2	1	33	2	67	0	0	0	0	857	2	33	67	0	0	857	8	8	24	24	44	833
B. less than one hour	37	12	22	23	43	15	28	4	7	849	39	17	40	32	11	846	51	12	38	26	23	842
C. one to two hours	50	14	19	32	44	16	22	11	15	847	46	16	47	20	17	846	36	19	40	23	19	845
D. more than two hours	12	3	18	8	47	2	12	4	24	847	13	13	58	13	17	848	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	20	14	48	10	34	3	10	2	7	859	21	39	42	8	11	855	28	33	41	15	11	852
B. good	51	14	19	38	52	15	21	6	8	849	49	16	51	23	10	848	45	11	43	25	21	842
C. fair	22	2	6	12	39	13	42	4	13	841	25	4	43	39	13	841	21	3	27	35	35	834
D. poor	8	0	0	3	27	2	18	6	55	829	6	0	27	18	55	829	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.	18	8	31	12	46	4	15	2	8	854	19	22	47	17	14	849	28	23	41	21	15	848
B. They match some of what I have learned.	54	18	23	41	52	17	22	3	4	851	53	19	51	22	8	849	52	13	40	25	21	843
C. They match just a little of what I have learned.	24	3	9	12	34	11	31	9	26	839	24	7	39	35	20	840	16	8	28	30	34	836
D. There is no match.	4	0	0	0	0	1	17	5	83	827	3	0	0	17	83	827	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	39	6	11	27	47	12	21	12	21	843	40	8	47	24	21	843	32	6	34	29	32	837
B. about the same as my regular schoolwork	47	15	22	29	42	18	26	7	10	848	46	18	45	26	10	847	52	13	41	25	20	843
C. easier than my regular schoolwork	14	8	40	9	45	3	15	0	0	859	13	32	44	16	8	853	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	15	22	31	46	9	13	13	19	847	47	18	46	16	20	846	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	46	13	19	31	46	20	30	3	4	849	47	15	49	31	6	848	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	8	1	9	3	27	4	36	3	27	840	6	8	25	33	33	838	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	20	12	41	11	38	5	17	1	3	855	17	38	44	16	3	854	34	18	40	22	20	845
B. two or three days a week	44	12	18	28	43	14	22	11	17	846	44	14	43	25	17	845	35	14	38	26	21	843
C. two or three times each month	22	4	13	13	41	11	34	4	13	846	21	10	44	33	13	845	18	12	37	27	24	841
D. never or almost never	14	2	10	13	62	3	14	3	14	846	19	8	56	17	19	843	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	23	1	3	21	64	8	24	3	9	845	18	3	65	24	9	845	9	13	38	23	26	841
B. two or three days a week	52	16	21	37	49	13	17	10	13	849	47	18	49	19	13	848	17	11	37	26	26	841
C. two or three times each month	19	13	46	3	11	8	29	4	14	852	25	30	21	28	21	846	28	15	40	25	20	844
D. never or almost never	6	0	0	3	33	4	44	2	22	840	10	0	53	37	11	843	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	56	21	26	37	45	17	21	7	9	851	50	22	45	23	9	850	52	19	41	22	18	846
B. agree	37	8	15	24	44	12	22	10	19	844	42	11	46	24	19	843	39	11	35	27	27	840
C. disagree	6	1	11	3	33	4	44	1	11	843	6	8	42	33	17	842	6	7	28	26	39	835
D. strongly disagree	1	0	0	1	50	0	0	1	50	839	2	0	67	0	33	843	3	4	25	28	43	832
Optional school/SAU question																						
A.	42	0	0	4	80	1	20	0	0	850	42	0	80	20	0	850						
B.	17	1	50	0	0	0	0	1	50	843	17	50	0	0	50	843						
C.	17	0	0	0	0	2	100	0	0	835	17	0	0	100	0	835						
D.	25	0	0	2	67	1	33	0	0	848	25	0	67	33	0	848						

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: MSAD 22
School: Reeds Brook 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*	26	18	30	16	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*	79	53	103	54	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*	39	26	51	27	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*	4	3	8	4	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**	34.9	62.3	34.3	61.3	32.0	57.1
D. The Physical Setting	**31**	**55**	18.1	58.4	17.8	57.4	17.1	55.2
D1/D2 Earth/Space	**17**	**30**	10.1	59.4	10.0	58.8	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	**14**	**25**	8.0	57.1	7.8	55.7	7.7	55.0
E. The Living Environment	**25**	**45**	16.8	67.2	16.4	65.6	14.9	59.6

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

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

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

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

SCIENCE RESULTS
(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: MSAD 22
School: Reeds Brook 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	148	26	18	79	53	39	26	4	3	850	192	16	54	27	4	849	14263	15	47	26	12	846
Ethnicity																						
African American/Black	1										1						360	4	31	35	30	835
American Indian or Native Alaskan	2										2						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	2										2						184	9	45	29	16	842
Caucasian/White	142	25	18	77	54	36	25	4	3	851	186	16	54	26	4	849	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	29	2	7	6	21	17	59	4	14	840	38	8	29	50	13	841	2221	3	22	36	38	832
No	119	24	20	73	61	22	18	0	0	853	154	18	60	21	2	851	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	148	26	18	79	53	39	26	4	3	850	192	16	54	27	4	849	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	23	3	13	12	52	8	35	0	0	848	41	7	51	37	5	845	5184	6	40	33	21	840
No	125	23	18	67	54	31	25	4	3	851	151	18	54	24	4	850	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	148	26	18	79	53	39	26	4	3	850	192	16	54	27	4	849	14258	15	47	26	12	846
Gender																						
Female	70	11	16	39	56	20	29	0	0	850	92	13	55	27	4	848	6953	14	47	28	11	846
Male	78	15	19	40	51	19	24	4	5	851	100	18	52	26	4	850	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	148	26	18	79	53	39	26	4	3	850	192	16	54	27	4	849	13435	16	48	25	12	846
Gifted/talented program																						
Yes	16	13	81	2	13	1	6	0	0	868	20	70	25	5	0	865	699	65	34	2	0	865
No	132	13	10	77	58	38	29	4	3	848	172	9	57	29	5	848	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: MSAD 22
School: Reeds Brook 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	2	0	0	3	100	0	0	0	0	849	2	0	100	0	0	849	8	8	34	28	30	837
B. less than one hour	36	11	20	32	59	10	19	1	2	854	39	16	55	25	4	851	51	14	48	27	11	846
C. one to two hours	50	14	19	35	47	23	31	2	3	849	47	17	51	28	4	849	36	19	48	24	9	848
D. more than two hours	11	1	6	9	53	6	35	1	6	846	13	8	58	29	4	847	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	23	7	21	23	68	3	9	1	3	853	19	19	65	14	3	853	23	27	47	17	8	851
B. good	52	16	21	35	46	23	30	2	3	851	53	19	50	29	3	850	53	15	50	26	10	847
C. fair	22	3	9	16	50	13	41	0	0	848	23	7	56	33	5	847	20	4	43	35	18	840
D. poor	3	0	0	4	80	0	0	1	20	845	5	0	44	33	22	841	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.	20	8	28	14	48	7	24	0	0	852	19	22	47	28	3	850	26	20	49	23	9	849
B. They match some of what I have learned.	52	14	18	41	53	20	26	2	3	851	55	14	57	24	5	849	51	14	48	26	11	846
C. They match just a little of what I have learned.	26	4	11	23	61	10	26	1	3	849	24	13	57	28	2	850	18	13	44	28	15	844
D. There is no match.	3	0	0	1	25	2	50	1	25	837	2	0	25	50	25	837	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	31	8	18	26	58	10	22	1	2	850	31	17	59	21	3	850	32	13	45	28	14	844
B. about the same as my regular schoolwork	52	12	16	36	47	26	34	3	4	849	54	13	51	32	4	849	56	15	49	25	11	847
C. easier than my regular schoolwork	17	6	24	16	64	3	12	0	0	854	16	20	53	20	7	851	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.	39	9	16	28	49	17	30	3	5	849	43	14	51	30	6	848	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	55	17	21	45	56	18	22	1	1	852	52	18	56	22	3	851	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	6	0	0	6	67	3	33	0	0	848	5	0	70	30	0	848	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	20	8	28	12	41	6	21	3	10	851	19	22	44	25	8	850	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	27	6	15	24	62	9	23	0	0	852	29	13	57	24	6	849	23	17	49	22	12	847
C. the course(s) described in B, plus physics	21	9	29	17	55	5	16	0	0	855	22	27	56	17	0	854	21	31	44	17	7	852
D. a life science and physical science class	32	2	4	26	55	18	38	1	2	846	31	3	57	36	3	846	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	27	13	33	18	46	7	18	1	3	854	26	27	53	16	4	852	27	23	47	20	10	849
B. agree	38	10	18	32	57	13	23	1	2	853	40	17	51	28	4	850	37	14	47	27	12	846
C. disagree	23	3	9	16	48	13	39	1	3	846	22	7	50	38	5	846	25	11	48	29	12	845
D. strongly disagree	12	0	0	13	72	4	22	1	6	845	12	0	78	17	4	846	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	29	12	28	18	42	10	23	3	7	850	30	25	47	21	7	850	31	22	46	22	10	849
B. agree	52	12	16	44	57	20	26	1	1	851	52	13	54	29	4	849	50	14	49	26	11	846
C. disagree	17	2	8	16	64	7	28	0	0	849	16	6	68	26	0	849	14	9	45	31	15	843
D. strongly disagree	1	0	0	1	50	1	50	0	0	845	2	0	50	50	0	847	5	3	38	34	25	837
Optional school/SAU question																						
A.	42	1	20	2	40	2	40	0	0	851	42	20	40	40	0	851						
B.	17	1	50	0	0	1	50	0	0	852	17	50	0	50	0	852						
C.	17	0	0	2	100	0	0	0	0	850	17	0	100	0	0	850						
D.	25	0	0	3	100	0	0	0	0	856	25	0	100	0	0	856						

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