



August 2011

DEPARTMENT OF EDUCATION
2010–2011 School Year Reports

Dear School Board Members and School Personnel:

The Maine Comprehensive Assessment System is the State’s measure of student progress in achieving the State standards known as *Learning Results*. The New England Common Assessment Program (NECAP) and Maine Educational Assessment (MEA) are administered in grades 3 through 8 to meet state and federal assessment requirements. Since the spring of 2006, the Maine High School Assessment, consisting of the SAT Reasoning Test™ (SAT) and a science test, has been administered to students in their third year of high school in place of the MEA for state and federal purposes. The move from the MEA to the SAT in grade 11 was made to encourage all students in the goal of attaining college and high-level workplace readiness as well as to measure academic achievement. The high school assessment also includes science testing. The combined set of tests comprises the Maine High School Assessment (MHSA).

These Maine High School Assessment Summary Reports contain the results of your student’s performance in critical reading, mathematics, writing, and science reported according to the academic standards described above and disaggregated by student and school characteristics. The MHSA achievement level standards for the 2011 critical reading, writing, mathematics, and science sections of the MHSA were determined by Maine educators with specific expertise within the content areas. This report, together with individual student and subject-specific student item-level reports, provides support for use in program evaluation and planning. All scores contained in these reports are included for Maine state and federal reporting purposes only. While scores from the SAT may also be used for college admission by most students, they may not be used for that purpose if a student received accommodations during the test administration that exceeded those made available by the College Board.

These results reflect scores based on SAT and science test questions that were taken by the nearly 15,000 publicly-funded students who were enrolled in their third year of high school across all Maine schools. The MHSA employs an assessment design that requires students to create an essay response to a writing prompt, generate answers to open-ended mathematics and science questions, and select answers to multiple-choice questions in all four disciplines. More information about the design, history, and use of the SAT can be found at: <http://www.maine.gov/education/mhsa/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 graduate from any Maine high school prepared for college, career, and citizenship.

Sincerely,

Stephen L. Bowen
Commissioner of Education



High School Report

Test Date: May 2011
Code: 10951298
SAU: Machias School Department
School: Machias Memorial High School

Contents of the Report

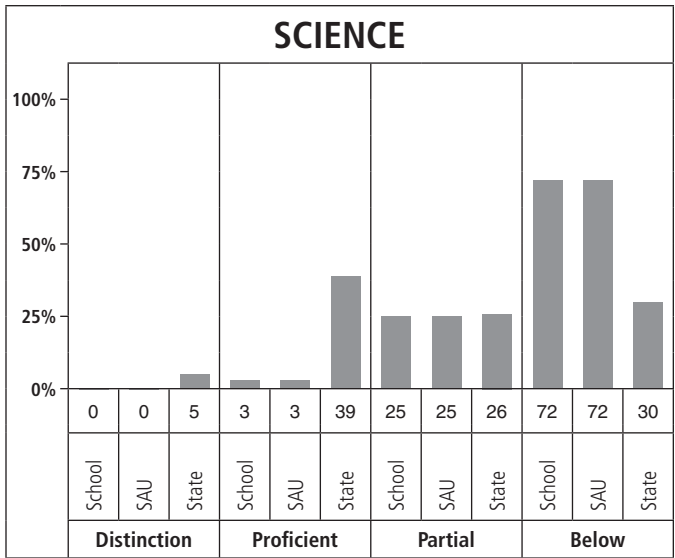
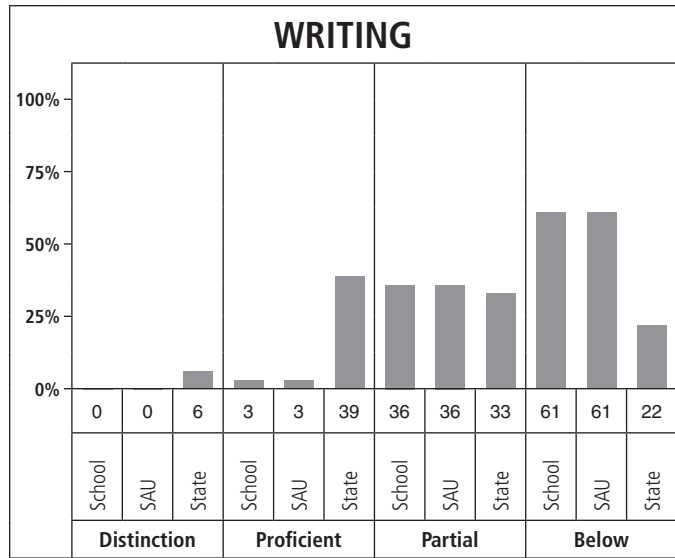
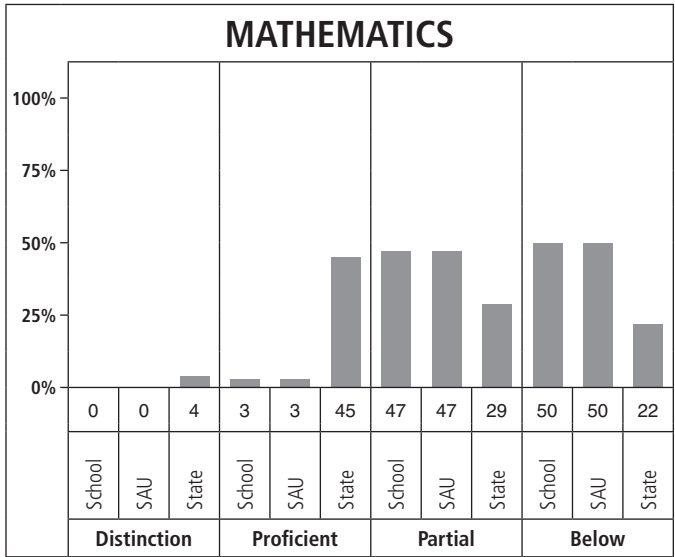
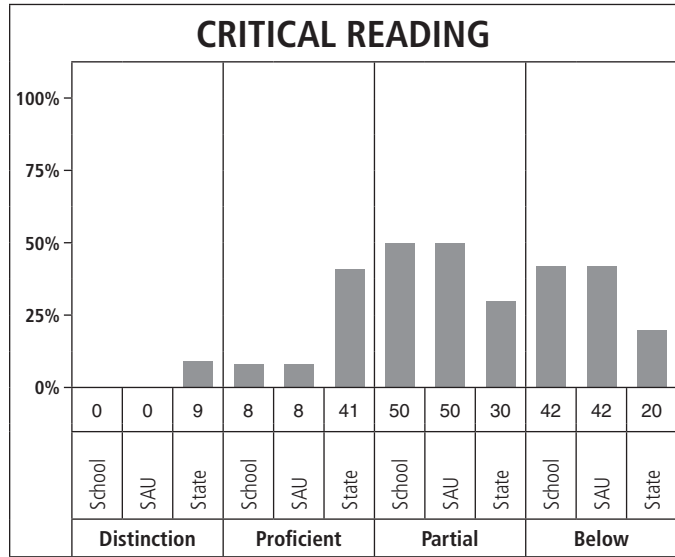
The report is divided into six main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: May 2011
SAU: Machias School Department
School: Machias Memorial High School

Summary of School, SAU, and State Scores			
Year	Average Scaled Score		
	School	SAU	State
Critical Reading			
2008–2009	1137	1134	1141
2009–2010	1134	1134	1141
2010–2011	1131	1131	1142
Cum. Average*	1134	1133	1141
Mathematics			
2008–2009	1137	1136	1141
2009–2010	1134	1134	1142
2010–2011	1131	1131	1142
Cum. Average*	1134	1133	1142
Writing			
2008–2009	1138	1136	1140
2009–2010	1131	1131	1140
2010–2011	1128	1128	1140
Cum. Average*	1132	1131	1140
Science			
2008–2009	1135	1134	1140
2009–2010	1136	1136	1141
2010–2011	1131	1131	1141
Cum. Average*	1134	1133	1141



*Cumulative averages are weighted—i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: May 2011
SAU: Machias School Department
School: Machias Memorial High School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																								
	School		SAU		State		Critical Reading						Mathematics						Writing						Science						
	N	%	N	%	N	%	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	
Total number of students	37	100	37	100	14331	100	36	97	36	97	13752	96	36	97	36	97	13748	96	36	97	36	97	13759	96	36	97	36	97	13776	96	
Ethnicity Hispanic or Latino	1	3	1	3	174	1	1	100	1	100	155	90	1	100	1	100	155	90	1	100	1	100	155	90	1	100	1	100	160	92	
Not Hispanic or Latino	American Indian or Alaskan Native	0	0	0	0	116	1	0	0	0	0	103	89	0	0	0	0	102	88	0	0	0	0	104	90	0	0	0	0	104	90
	Asian	0	0	0	0	176	1	0	0	0	0	170	97	0	0	0	0	170	97	0	0	0	0	170	97	0	0	0	0	158	90
	Black or African American	0	0	0	0	364	3	0	0	0	0	337	93	0	0	0	0	339	93	0	0	0	0	338	93	0	0	0	0	344	95
	Native Hawaiian or Pacific Islander	0	0	0	0	7	<1	0	0	0	0	6	86	0	0	0	0	6	86	0	0	0	0	6	86	0	0	0	0	7	100
	White	36	97	36	97	13429	94	35	97	35	97	12919	96	35	97	35	97	12914	96	35	97	35	97	12924	96	35	97	35	97	12941	96
Two or more races	0	0	0	0	65	<1	0	0	0	0	62	97	0	0	0	0	62	97	0	0	0	0	62	97	0	0	0	0	62	95	
Identified disability	5	14	5	14	1998	14	5	100	5	100	1820	91	5	100	5	100	1820	91	5	100	5	100	1817	91	5	100	5	100	1846	93	
Current LEP	0	0	0	0	274	2	0	0	0	0	257	94	0	0	0	0	257	94	0	0	0	0	257	94	0	0	0	0	253	92	
Economically disadvantaged	14	38	14	38	4967	35	14	100	14	100	4644	94	14	100	14	100	4644	94	14	100	14	100	4649	94	14	100	14	100	4674	94	
Migrant	0	0	0	0	5	<1	0	0	0	0	3	60	0	0	0	0	3	60	0	0	0	0	3	60	0	0	0	0	4	80	

MODE OF PARTICIPATION ³	Critical Reading						Mathematics						Writing						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	%
Participation without accommodations	33	89	33	89	12231	85	33	89	33	89	12224	85	33	89	33	89	12238	85	33	89	33	89	12309	86
Identified disability (IEP)	3	9	3	9	732	6	3	9	3	9	730	6	3	9	3	9	731	6	3	9	3	9	786	6
LEP	0	0	0	0	198	2	0	0	0	0	198	2	0	0	0	0	198	2	0	0	0	0	197	2
Participation with accommodations	3	8	3	8	1315	9	3	8	3	8	1312	9	3	8	3	8	1318	9	3	8	3	8	1265	9
Identified disability (IEP)	2	67	2	67	882	67	2	67	2	67	878	67	2	67	2	67	883	67	2	67	2	67	858	68
LEP	0	0	0	0	54	4	0	0	0	0	54	4	0	0	0	0	54	4	0	0	0	0	51	4
Participation through alternate assessment (PAAP)	0	0	0	0	206	1	0	0	0	0	212	1	0	0	0	0	203	1	0	0	0	0	202	1
Identified disability (IEP)	0	0	0	0	206	100	0	0	0	0	212	100	0	0	0	0	203	100	0	0	0	0	202	100
LEP	0	0	0	0	5	2	0	0	0	0	5	2	0	0	0	0	5	2	0	0	0	0	5	2
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0																		
Approved non-participation – special consideration	0	0	0	0	14	<1	0	0	0	0	14	<1	0	0	0	0	14	<1	0	0	0	0	14	<1
Non-participation – other	1	3	1	3	565	4	1	3	1	3	569	4	1	3	1	3	558	4	1	3	1	3	541	4

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

CRITICAL READING RESULTS

Test Date: May 2011
SAU: Machias School Department
School: Machias Memorial High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student’s responses on state-level assessments in relation to the reading standards for achieving Maine’s *Learning Results*.

Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within reading at the grade level assessed. Evidence includes responses to multiple-choice items in an “on demand” setting.

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Proficient with Distinction – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by applying a variety of reasoning skills and prior knowledge as the student draws in-depth inferences, analyzes texts for subtle clues, synthesizes information across texts, and uses knowledge of text structures and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 1162–1180)	2008-2009	2	7	1	5	1339	9
	2009-2010	0	0	0	0	1369	10
	2010-2011	0	0	0	0	1165	9
	Cum. Total*	2	2	1	1	3873	9
Proficient – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by applying a variety of reasoning skills and prior knowledge as the student draws inferences, identifies summary statements, connects ideas within and across texts, and uses knowledge of text structures and literary devices to increase comprehension. (scaled score 1142–1160)	2008-2009	8	28	3	16	5897	40
	2009-2010	6	23	6	23	5248	38
	2010-2011	3	8	3	8	5595	41
	Cum. Total*	17	19	12	15	16740	40
Partially Proficient – 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 use a variety of reasoning skills and prior knowledge varies depending on the texts as s/he draws inferences, identifies summary statements, connects ideas within and across texts, and uses knowledge of text structures and literary devices to support comprehension. (scaled score 1130–1140)	2008-2009	10	34	7	37	4169	28
	2009-2010	11	42	11	42	4121	30
	2010-2011	18	50	18	50	4010	30
	Cum. Total*	39	43	36	44	12300	29
Substantially Below Proficient – 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 incorrect leaving the impression that the student found it difficult to use a variety of reasoning skills and prior knowledge as s/he draws inferences, identifies summary statements, connects ideas within and across texts, or uses knowledge of text structures and literary devices to support comprehension. (scaled score 1100–1128)	2008-2009	9	31	8	42	3255	22
	2009-2010	9	35	9	35	3081	22
	2010-2011	15	42	15	42	2776	20
	Cum. Total*	33	36	32	40	9112	22

*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.

CRITICAL READING RESULTS BY REPORTING SUBGROUPS

Test Date: May 2011
SAU: Machias School Department
School: Machias Memorial High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	Level 4		Level 3		Level 2		Level 1		Mean Scaled Score	Tested	Level 4	Level 3	Level 2	Level 1	Mean Scaled Score	Tested	Level 4	Level 3	Level 2	Level 1	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	36	0	0	3	8	18	50	15	42	1131	36	0	8	50	42	1131	13546	9	41	30	20	1142
Gender																						
Male	18	0	0	2	11	5	28	11	61	1129	18	0	11	28	61	1129	7007	8	38	29	24	1140
Female	18	0	0	1	6	13	72	4	22	1133	18	0	6	72	22	1133	6539	9	44	30	16	1143
Not Reported	0										0						0					
Primary Race/Ethnicity																						
Hispanic or Latino	1										1						151	9	36	26	29	1140
American Indian or Alaskan Native	0										0						103	4	31	33	32	1137
Asian	0										0						165	10	42	19	29	1141
Black or African American	0										0						326	2	20	28	50	1131
Native Hawaiian or Pacific Islander	0										0						6					
White (non-Hispanic)	35	0	0	2	6	18	51	15	43	1131	35	0	6	51	43	1131	12734	9	42	30	19	1142
Two or more races	0										0						61	3	36	39	21	1139
LEP Status																						
Currently LEP student	0										0						252	<1	3	19	77	1123
Former LEP student - monitoring year 1	0										0						14	0	36	50	14	1139
Former LEP student - monitoring year 2	0										0						17	0	59	41	0	1143
All Other Students	36	0	0	3	8	18	50	15	42	1131	36	0	8	50	42	1131	13263	9	42	30	19	1142
IEP																						
Students with an IEP	5										5						1614	1	11	26	62	1128
All Other Students	31	0	0	3	10	16	52	12	39	1132	31	0	10	52	39	1132	11932	10	45	30	15	1144
SES																						
Economically Disadvantaged Students	14	0	0	1	7	7	50	6	43	1131	14	0	7	50	43	1131	4522	3	30	33	33	1136
All Other Students	22	0	0	2	9	11	50	9	41	1131	22	0	9	50	41	1131	9024	11	47	28	14	1144
Migrant																						
Migrant Students	0										0						3					
All Other Students	36	0	0	3	8	18	50	15	42	1131	36	0	8	50	42	1131	13543	9	41	30	20	1142
Title 1																						
Students Receiving Title 1 Services	13	0	0	2	15	5	38	6	46	1132	13	0	15	38	46	1132	211	3	18	45	35	1134
All Other Students	23	0	0	1	4	13	57	9	39	1130	23	0	4	57	39	1130	13335	9	42	29	20	1142
504 Plan																						
Students with a 504 plan	2										2						431	9	39	31	22	1141
All Other Students	34	0	0	3	9	17	50	14	41	1131	34	0	9	50	41	1131	13115	9	41	30	20	1142

Level 4 = Proficient with Distinction Level 3 = Proficient Level 2 = Partially Proficient Level 1 = Substantially Below Proficient

NOTE: Some achievement level results have been left blank because fewer than ten (10) students were tested. N = Number

MATHEMATICS RESULTS

Test Date: May 2011
 SAU: Machias School Department
 School: Machias Memorial High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student's responses on state-level assessments in relation to the mathematics standards for achieving Maine's *Learning Results*. Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within mathematics at the grade level assessed. Evidence includes responses to a combination of multiple-choice items and items requiring student-created responses in an "on demand" setting.

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Proficient with Distinction – 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 or unfamiliar problems, and apply complex concepts. (scaled score 1162–1180)	2008-2009	0	0	0	0	596	4
	2009-2010	0	0	0	0	524	4
	2010-2011	0	0	0	0	571	4
	Cum. Total*	0	0	0	0	1691	4
Proficient – The student's work demonstrates an understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student's responses demonstrate the ability to reason, analyze and solve problems, and apply concepts. (scaled score 1142–1160)	2008-2009	7	23	4	20	5674	38
	2009-2010	5	20	5	20	5736	42
	2010-2011	1	3	1	3	6040	45
	Cum. Total*	13	14	10	12	17450	41
Partially Proficient – 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 apply concepts. (scaled score 1134–1140)	2008-2009	12	40	8	40	4622	31
	2009-2010	10	40	10	40	4444	32
	2010-2011	17	47	17	47	3910	29
	Cum. Total*	39	43	35	43	12976	31
Substantially Below Proficient – 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 apply concepts. (scaled score 1100–1132)	2008-2009	11	37	8	40	4116	27
	2009-2010	10	40	10	40	3103	22
	2010-2011	18	50	18	50	3015	22
	Cum. Total*	39	43	36	44	10234	24

*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 BY REPORTING SUBGROUPS

Test Date: May 2011
SAU: Machias School Department
School: Machias Memorial High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	Level 4		Level 3		Level 2		Level 1		Mean Scaled Score	Tested	Level 4	Level 3	Level 2	Level 1	Mean Scaled Score	Tested	Level 4	Level 3	Level 2	Level 1	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	36	0	0	1	3	17	47	18	50	1131	36	0	3	47	50	1131	13536	4	45	29	22	1142
Gender																						
Male	18	0	0	1	6	8	44	9	50	1132	18	0	6	44	50	1132	7003	5	45	27	22	1142
Female	18	0	0	0	0	9	50	9	50	1131	18	0	0	50	50	1131	6533	3	44	31	22	1141
Not Reported	0										0						0					
Primary Race/Ethnicity																						
Hispanic or Latino	1										1						151	5	30	33	32	1139
American Indian or Alaskan Native	0										0						102	1	31	29	38	1137
Asian	0										0						165	10	53	19	18	1145
Black or African American	0										0						327	<1	20	26	54	1132
Native Hawaiian or Pacific Islander	0										0						6					
White (non-Hispanic)	35	0	0	1	3	16	46	18	51	1131	35	0	3	46	51	1131	12724	4	46	29	21	1142
Two or more races	0										0						61	5	31	44	20	1140
LEP Status																						
Currently LEP student	0										0						252	2	10	22	66	1130
Former LEP student - monitoring year 1	0										0						14	0	64	21	14	1144
Former LEP student - monitoring year 2	0										0						17	12	47	29	12	1145
All Other Students	36	0	0	1	3	17	47	18	50	1131	36	0	3	47	50	1131	13253	4	45	29	21	1142
IEP																						
Students with an IEP	5										5						1608	<1	9	23	68	1130
All Other Students	31	0	0	1	3	17	55	13	42	1132	31	0	3	55	42	1132	11928	5	49	30	16	1143
SES																						
Economically Disadvantaged Students	14	0	0	0	0	7	50	7	50	1130	14	0	0	50	50	1130	4519	1	29	34	36	1137
All Other Students	22	0	0	1	5	10	45	11	50	1132	22	0	5	45	50	1132	9017	6	52	26	16	1144
Migrant																						
Migrant Students	0										0						3					
All Other Students	36	0	0	1	3	17	47	18	50	1131	36	0	3	47	50	1131	13533	4	45	29	22	1142
Title 1																						
Students Receiving Title 1 Services	13	0	0	0	0	7	54	6	46	1131	13	0	0	54	46	1131	211	<1	14	46	39	1135
All Other Students	23	0	0	1	4	10	43	12	52	1131	23	0	4	43	52	1131	13325	4	45	29	22	1142
504 Plan																						
Students with a 504 plan	2										2						431	4	38	33	25	1141
All Other Students	34	0	0	1	3	16	47	17	50	1132	34	0	3	47	50	1132	13105	4	45	29	22	1142

Level 4 = Proficient with Distinction Level 3 = Proficient Level 2 = Partially Proficient Level 1 = Substantially Below Proficient

NOTE: Some achievement level results have been left blank because fewer than ten (10) students were tested. N = Number

WRITING RESULTS

Test Date: May 2011
SAU: Machias School Department
School: Machias Memorial High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student’s responses on state-level assessments in relation to the writing standards for achieving Maine’s *Learning Results*.

Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within writing at the grade level assessed. Evidence includes responses to a combination of multiple-choice items and items requiring student-created responses in an “on demand” setting.

	STUDENTS AT EACH ACHIEVEMENT LEVEL						
	School		SAU		State		
	N	%	N	%	N	%	
<p>Proficient with Distinction – The student’s responses demonstrate skillful ability to select clear, precise sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity, precision, and overall effectiveness of a passage. The student’s essay demonstrates an effectively developed and insightful point of view on the issue and outstanding critical thinking, with clearly appropriate examples, reasons, and other evidence to support a position. The essay is well-organized and clearly focused, demonstrating clear coherence and smooth progression of ideas and free of most errors in grammar, usage, and mechanics. (scaled score 1162–1180)</p>	2008-2009	1	3	1	5	1062	7
	2009-2010	0	0	0	0	974	7
	2010-2011	0	0	0	0	865	6
	Cum. Total*	1	1	1	1	2901	7
<p>Proficient – The student’s responses demonstrate ability to select clear sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity and overall effectiveness of a passage. The student’s essay demonstrates an effectively developed point of view on the issue and strong critical thinking, with generally appropriate examples, reasons, and other evidence to support a position. The essay is well-organized and focused, demonstrating coherence and progression of ideas and generally free of most errors in grammar, usage, and mechanics. (scaled score 1142–1160)</p>	2008-2009	12	41	6	32	5706	39
	2009-2010	8	30	8	30	5463	40
	2010-2011	1	3	1	3	5255	39
	Cum. Total*	21	23	15	18	16424	39
<p>Partially Proficient – The student’s responses demonstrate inconsistent ability to select clear sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity and overall effectiveness of a passage. The student’s essay demonstrates a developed point of view on the issue and some critical thinking, but may do so inconsistently or with inadequate examples, reasons, or other evidence to support a position. The essay is generally organized and focused, but may demonstrate some lapses in coherence or progression of ideas and may contain errors in grammar, usage, and mechanics. (scaled score 1130–1140)</p>	2008-2009	7	24	4	21	4487	31
	2009-2010	9	33	9	33	4385	32
	2010-2011	13	36	13	36	4419	33
	Cum. Total*	29	32	26	32	13291	32
<p>Substantially Below Proficient – The student’s responses demonstrate limited ability to select clear sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity and overall effectiveness of a passage. The student’s essay demonstrates a vague or seriously limited point of view on the issues and weak critical thinking, with inappropriate or insufficient examples, reasons, or other evidence to support a position. The essay is poorly organized and/or focused and may contain an accumulation of errors in grammar, usage, and mechanics that interfere with understanding the message of the essay. (scaled score 1100–1128)</p>	2008-2009	9	31	8	42	3408	23
	2009-2010	10	37	10	37	2997	22
	2010-2011	22	61	22	61	3017	22
	Cum. Total*	41	45	40	49	9422	22

*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.

WRITING RESULTS

BY REPORTING SUBGROUPS

Test Date: May 2011
SAU: Machias School Department
School: Machias Memorial High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	Level 4		Level 3		Level 2		Level 1		Mean Scaled Score	Tested	Level 4	Level 3	Level 2	Level 1	Mean Scaled Score	Tested	Level 4	Level 3	Level 2	Level 1	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	36	0	0	1	3	13	36	22	61	1128	36	0	3	36	61	1128	13556	6	39	33	22	1140
Gender																						
Male	18	0	0	1	6	5	28	12	67	1126	18	0	6	28	67	1126	7014	5	33	34	28	1138
Female	18	0	0	0	0	8	44	10	56	1130	18	0	0	44	56	1130	6542	8	44	31	17	1142
Not Reported	0										0						0					
Primary Race/Ethnicity																						
Hispanic or Latino	1										1						151	7	27	40	25	1138
American Indian or Alaskan Native	0										0						104	5	23	36	37	1134
Asian	0										0						165	5	41	26	28	1139
Black or African American	0										0						327	2	21	29	48	1131
Native Hawaiian or Pacific Islander	0										0						6					
White (non-Hispanic)	35	0	0	1	3	12	34	22	63	1128	35	0	3	34	63	1128	12742	7	39	33	21	1140
Two or more races	0										0						61	2	38	34	26	1138
LEP Status																						
Currently LEP student	0										0						252	<1	3	25	71	1124
Former LEP student - monitoring year 1	0										0						14	0	14	57	29	1136
Former LEP student - monitoring year 2	0										0						17	0	65	35	0	1146
All Other Students	36	0	0	1	3	13	36	22	61	1128	36	0	3	36	61	1128	13273	7	39	33	21	1140
IEP																						
Students with an IEP	5										5						1614	1	8	24	68	1126
All Other Students	31	0	0	1	3	12	39	18	58	1130	31	0	3	39	58	1130	11942	7	43	34	16	1142
SES																						
Economically Disadvantaged Students	14	0	0	0	0	6	43	8	57	1127	14	0	0	43	57	1127	4528	2	26	36	36	1134
All Other Students	22	0	0	1	5	7	32	14	64	1129	22	0	5	32	64	1129	9028	9	45	31	15	1143
Migrant																						
Migrant Students	0										0						3					
All Other Students	36	0	0	1	3	13	36	22	61	1128	36	0	3	36	61	1128	13553	6	39	33	22	1140
Title 1																						
Students Receiving Title 1 Services	13	0	0	0	0	5	38	8	62	1128	13	0	0	38	62	1128	211	1	14	43	42	1132
All Other Students	23	0	0	1	4	8	35	14	61	1128	23	0	4	35	61	1128	13345	6	39	32	22	1140
504 Plan																						
Students with a 504 plan	2										2						434	7	33	37	23	1139
All Other Students	34	0	0	1	3	12	35	21	62	1128	34	0	3	35	62	1128	13122	6	39	32	22	1140

Level 4 = Proficient with Distinction Level 3 = Proficient Level 2 = Partially Proficient Level 1 = Substantially Below Proficient

NOTE: Some achievement level results have been left blank because fewer than ten (10) students were tested. N = Number

SCIENCE RESULTS

Test Date: May 2011
SAU: Machias School Department
School: Machias Memorial High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student's responses on state-level assessments in relation to the science standards for achieving Maine's *Learning Results*.

Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within science at the grade level assessed. Evidence includes responses to a combination of multiple-choice items and items requiring student-created responses in an "on demand" setting.

	STUDENTS AT EACH ACHIEVEMENT LEVEL						
	School		SAU		State		
	N	%	N	%	N	%	
Proficient with Distinction – 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 1162–1180)	2008–2009	0	0	0	0	602	4
	2009–2010	0	0	0	0	607	4
	2010–2011	0	0	0	0	644	5
	Cum. Total*	0	0	0	0	1853	4
Proficient – 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 1142–1160)	2008–2009	4	13	2	10	5431	37
	2009–2010	6	21	6	21	5120	37
	2010–2011	1	3	1	3	5312	39
	Cum. Total*	11	12	9	11	15863	37
Partially Proficient – 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 1134–1140)	2008–2009	9	30	7	35	3876	26
	2009–2010	10	36	10	36	3857	27
	2010–2011	9	25	9	25	3580	26
	Cum. Total*	28	30	26	31	11313	27
Substantially Below Proficient – 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 1100–1132)	2008–2009	17	57	11	55	4958	33
	2009–2010	12	43	12	43	4443	32
	2010–2011	26	72	26	72	4038	30
	Cum. Total*	55	59	49	58	13439	32

Learning Results Content Strands	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	12.80	22.9	12.80	22.9	24.90	44.5
D. The Physical Setting	34	61	7.30	21.5	7.30	21.5	15.30	45.0
D1/D2 Space/Earth	11	20	2.60	23.6	2.60	23.6	4.60	41.8
D3/D4 Matter and Energy/Force and Motion	23	41	4.80	20.9	4.80	20.9	10.70	46.5
E. The Living Environment	22	39	5.40	24.5	5.40	24.5	9.60	43.6

The MHSA assesses students' science knowledge based on questions that measure the science accountability content strands 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 Strand D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

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

SCIENCE RESULTS

BY REPORTING SUBGROUPS

Test Date: May 2011
SAU: Machias School Department
School: Machias Memorial High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	Level 4		Level 3		Level 2		Level 1		Mean Scaled Score	Tested	Level 4	Level 3	Level 2	Level 1	Mean Scaled Score	Tested	Level 4	Level 3	Level 2	Level 1	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	36	0	0	1	3	9	25	26	72	1131	36	0	3	25	72	1131	13574	5	39	26	30	1141
Gender																						
Male	18	0	0	1	6	5	28	12	67	1132	18	0	6	28	67	1132	7041	6	42	24	29	1142
Female	18	0	0	0	0	4	22	14	78	1130	18	0	0	22	78	1130	6533	3	36	29	31	1140
Not Reported	0										0						0					
Primary Race/Ethnicity																						
Hispanic or Latino	1										1						156	5	33	26	37	1140
American Indian or Alaskan Native	0										0						104	3	23	30	44	1137
Asian	0										0						153	6	44	25	25	1142
Black or African American	0										0						333	1	17	15	67	1132
Native Hawaiian or Pacific Islander	0										0						7					
White (non-Hispanic)	35	0	0	1	3	9	26	25	71	1131	35	0	3	26	71	1131	12760	5	40	27	29	1141
Two or more races	0										0						61	3	36	31	30	1140
LEP Status																						
Currently LEP student	0										0						248	1	5	11	83	1128
Former LEP student - monitoring year 1	0										0						13	0	31	54	15	1140
Former LEP student - monitoring year 2	0										0						16	0	50	31	19	1142
All Other Students	36	0	0	1	3	9	25	26	72	1131	36	0	3	25	72	1131	13297	5	40	27	29	1141
IEP																						
Students with an IEP	5										5						1644	1	10	19	70	1132
All Other Students	31	0	0	1	3	9	29	21	68	1132	31	0	3	29	68	1132	11930	5	43	27	24	1142
SES																						
Economically Disadvantaged Students	14	0	0	0	0	2	14	12	86	1130	14	0	0	14	86	1130	4554	2	26	28	44	1137
All Other Students	22	0	0	1	5	7	32	14	64	1132	22	0	5	32	64	1132	9020	6	46	26	22	1143
Migrant																						
Migrant Students	0										0						4					
All Other Students	36	0	0	1	3	9	25	26	72	1131	36	0	3	25	72	1131	13570	5	39	26	30	1141
Title 1																						
Students Receiving Title 1 Services	13	0	0	0	0	6	46	7	54	1133	13	0	0	46	54	1133	210	0	18	31	51	1135
All Other Students	23	0	0	1	4	3	13	19	83	1130	23	0	4	13	83	1130	13364	5	39	26	29	1141
504 Plan																						
Students with a 504 plan	2										2						430	5	40	25	30	1142
All Other Students	34	0	0	1	3	9	26	24	71	1131	34	0	3	26	71	1131	13144	5	39	26	30	1141

Level 4 = Proficient with Distinction Level 3 = Proficient Level 2 = Partially Proficient Level 1 = Substantially Below Proficient

NOTE: Some achievement level results have been left blank because fewer than ten (10) students were tested. N = Number