



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: 11701419
SAU: Waterville Public Schools
School: Waterville Senior High School

Contents of the Report

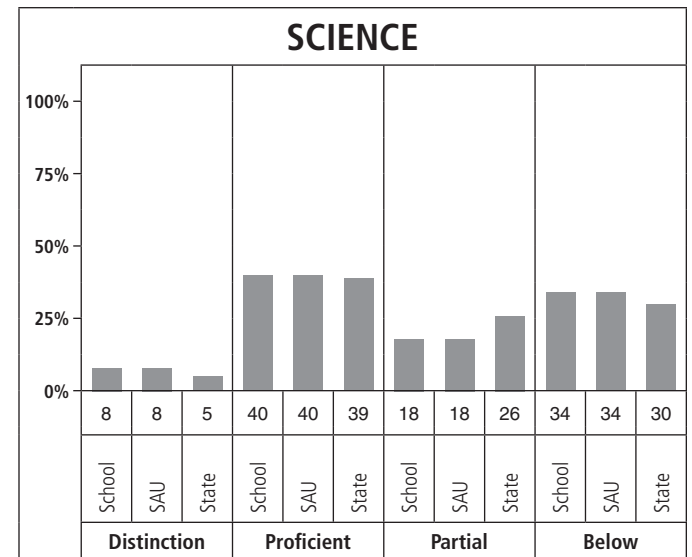
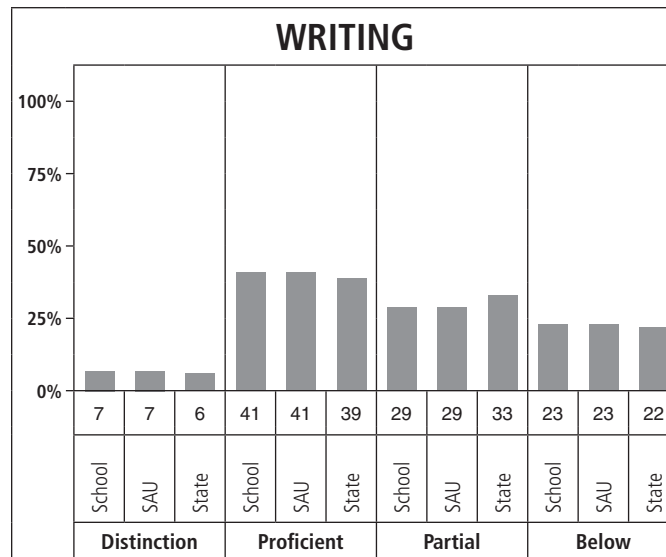
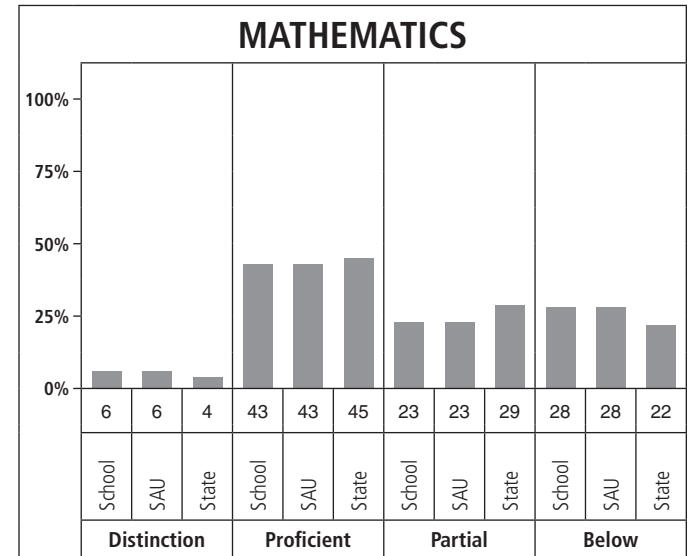
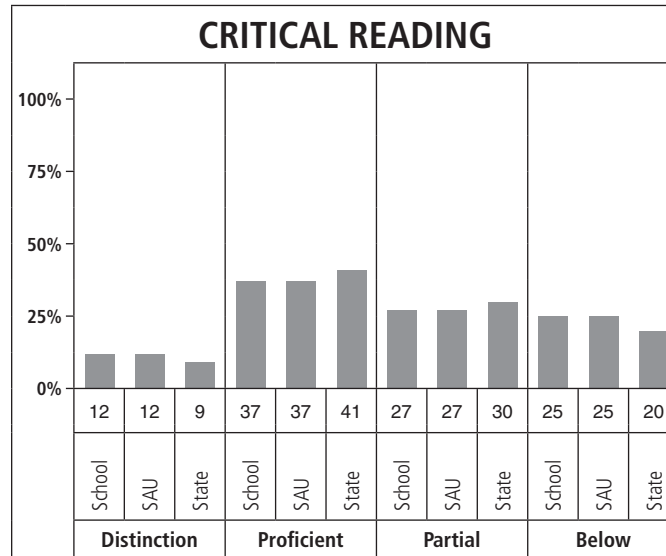
The report is divided into six main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
Critical Reading Results	4–5
Mathematics Results	6–7
Writing Results	8–9
Science Results	10–11

SUMMARY OF SCORES

Test Date: May 2011
SAU: Waterville Public Schools
School: Waterville Senior High School

Summary of School, SAU, and State Scores			
Year	Average Scaled Score		
	School	SAU	State
Critical Reading			
2008–2009	1139	1139	1141
2009–2010	1141	1141	1141
2010–2011	1142	1142	1142
Cum. Average*	1141	1141	1141
Mathematics			
2008–2009	1140	1139	1141
2009–2010	1140	1140	1142
2010–2011	1141	1141	1142
Cum. Average*	1140	1140	1142
Writing			
2008–2009	1137	1137	1140
2009–2010	1140	1140	1140
2010–2011	1140	1140	1140
Cum. Average*	1139	1139	1140
Science			
2008–2009	1139	1139	1140
2009–2010	1140	1140	1141
2010–2011	1142	1142	1141
Cum. Average*	1140	1140	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: Waterville Public Schools
School: Waterville Senior 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	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%			
Total number of students	128	100	128	100	14331	100	120	95	120	95	13752	96	120	95	120	95	13748	96	120	95	120	95	13759	96	120	94	120	94	13776	96	
Ethnicity Hispanic or Latino	3	2	3	2	174	1	0	0	0	0	155	90	0	0	0	0	155	90	0	0	0	0	155	90	1	33	1	33	160	92	
Not Hispanic or Latino	American Indian or Alaskan Native	1	1	1	1	116	1	1	100	1	100	103	89	1	100	1	100	102	88	1	100	1	100	104	90	1	100	1	100	104	90
	Asian	4	3	4	3	176	1	4	100	4	100	170	97	4	100	4	100	170	97	4	100	4	100	170	97	4	100	4	100	158	90
	Black or African American	1	1	1	1	364	3	1	100	1	100	337	93	1	100	1	100	339	93	1	100	1	100	338	93	1	100	1	100	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	119	93	119	93	13429	94	114	97	114	97	12919	96	114	97	114	97	12914	96	114	97	114	97	12924	96	113	96	113	96	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	17	13	17	13	1998	14	17	100	17	100	1820	91	17	100	17	100	1820	91	17	100	17	100	1817	91	17	100	17	100	1846	93	
Current LEP	1	1	1	1	274	2	1	100	1	100	257	94	1	100	1	100	257	94	1	100	1	100	257	94	1	100	1	100	253	92	
Economically disadvantaged	64	50	64	50	4967	35	57	92	57	92	4644	94	57	92	57	92	4644	94	57	92	57	92	4649	94	56	89	56	89	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	103	80	103	80	12231	85	103	80	103	80	12224	85	103	80	103	80	12238	85	104	81	104	81	12309	86
Identified disability (IEP)	5	5	5	5	732	6	5	5	5	5	730	6	5	5	5	5	731	6	5	5	5	5	786	6
LEP	1	1	1	1	198	2	1	1	1	1	198	2	1	1	1	1	198	2	1	1	1	1	197	2
Participation with accommodations	17	13	17	13	1315	9	17	13	17	13	1312	9	17	13	17	13	1318	9	16	13	16	13	1265	9
Identified disability (IEP)	12	71	12	71	882	67	12	71	12	71	878	67	12	71	12	71	883	67	12	75	12	75	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	2	2	2	2	14	<1	2	2	2	2	14	<1	2	2	2	2	14	<1	1	1	1	1	14	<1
Non-participation – other	6	5	6	5	565	4	6	5	6	5	569	4	6	5	6	5	558	4	7	5	7	5	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: Waterville Public Schools
School: Waterville Senior 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	7	5	6	4	1339	9
	2009-2010	6	5	6	5	1369	10
	2010-2011	14	12	14	12	1165	9
	Cum. Total*	27	7	26	7	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	55	38	54	39	5897	40
	2009-2010	55	45	55	45	5248	38
	2010-2011	44	37	44	37	5595	41
	Cum. Total*	154	40	153	40	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	44	30	43	31	4169	28
	2009-2010	35	29	35	29	4121	30
	2010-2011	32	27	32	27	4010	30
	Cum. Total*	111	29	110	29	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	39	27	37	26	3255	22
	2009-2010	25	21	25	21	3081	22
	2010-2011	30	25	30	25	2776	20
	Cum. Total*	94	24	92	24	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: Waterville Public Schools
School: Waterville Senior 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	120	14	12	44	37	32	27	30	25	1142	120	12	37	27	25	1142	13546	9	41	30	20	1142
Gender																						
Male	61	9	15	24	39	15	25	13	21	1144	61	15	39	25	21	1144	7007	8	38	29	24	1140
Female	59	5	8	20	34	17	29	17	29	1140	59	8	34	29	29	1140	6539	9	44	30	16	1143
Not Reported	0										0						0					
Primary Race/Ethnicity																						
Hispanic or Latino	0										0						151	9	36	26	29	1140
American Indian or Alaskan Native	1										1						103	4	31	33	32	1137
Asian	4										4						165	10	42	19	29	1141
Black or African American	1										1						326	2	20	28	50	1131
Native Hawaiian or Pacific Islander	0										0						6					
White (non-Hispanic)	114	13	11	41	36	31	27	29	25	1142	114	11	36	27	25	1142	12734	9	42	30	19	1142
Two or more races	0										0						61	3	36	39	21	1139
LEP Status																						
Currently LEP student	1										1						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	119	13	11	44	37	32	27	30	25	1142	119	11	37	27	25	1142	13263	9	42	30	19	1142
IEP																						
Students with an IEP	17	0	0	0	0	4	24	13	76	1126	17	0	0	24	76	1126	1614	1	11	26	62	1128
All Other Students	103	14	14	44	43	28	27	17	17	1145	103	14	43	27	17	1145	11932	10	45	30	15	1144
SES																						
Economically Disadvantaged Students	57	5	9	14	25	15	26	23	40	1136	57	9	25	26	40	1136	4522	3	30	33	33	1136
All Other Students	63	9	14	30	48	17	27	7	11	1147	63	14	48	27	11	1147	9024	11	47	28	14	1144
Migrant																						
Migrant Students	0										0						3					
All Other Students	120	14	12	44	37	32	27	30	25	1142	120	12	37	27	25	1142	13543	9	41	30	20	1142
Title 1																						
Students Receiving Title 1 Services	0										0						211	3	18	45	35	1134
All Other Students	120	14	12	44	37	32	27	30	25	1142	120	12	37	27	25	1142	13335	9	42	29	20	1142
504 Plan																						
Students with a 504 plan	5										5						431	9	39	31	22	1141
All Other Students	115	14	12	41	36	31	27	29	25	1142	115	12	36	27	25	1142	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: Waterville Public Schools
School: Waterville Senior 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	4	3	4	3	596	4
	2009-2010	4	3	4	3	524	4
	2010-2011	7	6	7	6	571	4
	Cum. Total*	15	4	15	4	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	45	31	43	30	5674	38
	2009-2010	37	31	37	31	5736	42
	2010-2011	52	43	52	43	6040	45
	Cum. Total*	134	35	132	34	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	56	38	53	37	4622	31
	2009-2010	47	39	47	39	4444	32
	2010-2011	27	23	27	23	3910	29
	Cum. Total*	130	34	127	33	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	42	29	42	30	4116	27
	2009-2010	33	27	33	27	3103	22
	2010-2011	34	28	34	28	3015	22
	Cum. Total*	109	28	109	28	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: Waterville Public Schools
School: Waterville Senior 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	120	7	6	52	43	27	23	34	28	1141	120	6	43	23	28	1141	13536	4	45	29	22	1142
Gender																						
Male	61	6	10	32	52	11	18	12	20	1144	61	10	52	18	20	1144	7003	5	45	27	22	1142
Female	59	1	2	20	34	16	27	22	37	1137	59	2	34	27	37	1137	6533	3	44	31	22	1141
Not Reported	0										0						0					
Primary Race/Ethnicity																						
Hispanic or Latino	0										0						151	5	30	33	32	1139
American Indian or Alaskan Native	1										1						102	1	31	29	38	1137
Asian	4										4						165	10	53	19	18	1145
Black or African American	1										1						327	<1	20	26	54	1132
Native Hawaiian or Pacific Islander	0										0						6					
White (non-Hispanic)	114	6	5	49	43	26	23	33	29	1141	114	5	43	23	29	1141	12724	4	46	29	21	1142
Two or more races	0										0						61	5	31	44	20	1140
LEP Status																						
Currently LEP student	1										1						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	119	6	5	52	44	27	23	34	29	1141	119	5	44	23	29	1141	13253	4	45	29	21	1142
IEP																						
Students with an IEP	17	0	0	1	6	4	24	12	71	1129	17	0	6	24	71	1129	1608	<1	9	23	68	1130
All Other Students	103	7	7	51	50	23	22	22	21	1143	103	7	50	22	21	1143	11928	5	49	30	16	1143
SES																						
Economically Disadvantaged Students	57	2	4	18	32	17	30	20	35	1138	57	4	32	30	35	1138	4519	1	29	34	36	1137
All Other Students	63	5	8	34	54	10	16	14	22	1144	63	8	54	16	22	1144	9017	6	52	26	16	1144
Migrant																						
Migrant Students	0										0						3					
All Other Students	120	7	6	52	43	27	23	34	28	1141	120	6	43	23	28	1141	13533	4	45	29	22	1142
Title 1																						
Students Receiving Title 1 Services	0										0						211	<1	14	46	39	1135
All Other Students	120	7	6	52	43	27	23	34	28	1141	120	6	43	23	28	1141	13325	4	45	29	22	1142
504 Plan																						
Students with a 504 plan	5										5						431	4	38	33	25	1141
All Other Students	115	7	6	49	43	26	23	33	29	1141	115	6	43	23	29	1141	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: Waterville Public Schools
School: Waterville Senior 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	%	
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)	2008-2009	6	4	6	4	1062	7
	2009-2010	8	7	8	7	974	7
	2010-2011	8	7	8	7	865	6
	Cum. Total*	22	6	22	6	2901	7
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)	2008-2009	46	32	44	31	5706	39
	2009-2010	53	44	53	44	5463	40
	2010-2011	49	41	49	41	5255	39
	Cum. Total*	148	38	146	38	16424	39
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)	2008-2009	47	32	44	31	4487	31
	2009-2010	32	26	32	26	4385	32
	2010-2011	35	29	35	29	4419	33
	Cum. Total*	114	30	111	29	13291	32
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)	2008-2009	46	32	46	33	3408	23
	2009-2010	28	23	28	23	2997	22
	2010-2011	28	23	28	23	3017	22
	Cum. Total*	102	26	102	27	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: Waterville Public Schools
School: Waterville Senior 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	120	8	7	49	41	35	29	28	23	1140	120	7	41	29	23	1140	13556	6	39	33	22	1140
Gender																						
Male	61	6	10	25	41	17	28	13	21	1141	61	10	41	28	21	1141	7014	5	33	34	28	1138
Female	59	2	3	24	41	18	31	15	25	1139	59	3	41	31	25	1139	6542	8	44	31	17	1142
Not Reported	0										0						0					
Primary Race/Ethnicity																						
Hispanic or Latino	0										0						151	7	27	40	25	1138
American Indian or Alaskan Native	1										1						104	5	23	36	37	1134
Asian	4										4						165	5	41	26	28	1139
Black or African American	1										1						327	2	21	29	48	1131
Native Hawaiian or Pacific Islander	0										0						6					
White (non-Hispanic)	114	8	7	45	39	35	31	26	23	1140	114	7	39	31	23	1140	12742	7	39	33	21	1140
Two or more races	0										0						61	2	38	34	26	1138
LEP Status																						
Currently LEP student	1										1						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	119	8	7	48	40	35	29	28	24	1140	119	7	40	29	24	1140	13273	7	39	33	21	1140
IEP																						
Students with an IEP	17	0	0	0	0	5	29	12	71	1124	17	0	0	29	71	1124	1614	1	8	24	68	1126
All Other Students	103	8	8	49	48	30	29	16	16	1143	103	8	48	29	16	1143	11942	7	43	34	16	1142
SES																						
Economically Disadvantaged Students	57	2	4	17	30	17	30	21	37	1135	57	4	30	30	37	1135	4528	2	26	36	36	1134
All Other Students	63	6	10	32	51	18	29	7	11	1145	63	10	51	29	11	1145	9028	9	45	31	15	1143
Migrant																						
Migrant Students	0										0						3					
All Other Students	120	8	7	49	41	35	29	28	23	1140	120	7	41	29	23	1140	13553	6	39	33	22	1140
Title 1																						
Students Receiving Title 1 Services	0										0						211	1	14	43	42	1132
All Other Students	120	8	7	49	41	35	29	28	23	1140	120	7	41	29	23	1140	13345	6	39	32	22	1140
504 Plan																						
Students with a 504 plan	5										5						434	7	33	37	23	1139
All Other Students	115	8	7	46	40	33	29	28	24	1140	115	7	40	29	24	1140	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: Waterville Public Schools
School: Waterville Senior 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	7	5	6	4	602	4
	2009–2010	4	3	4	3	607	4
	2010–2011	9	8	9	8	644	5
	Cum. Total*	20	5	19	5	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	50	34	49	34	5431	37
	2009–2010	44	35	44	35	5120	37
	2010–2011	48	40	48	40	5312	39
	Cum. Total*	142	36	141	36	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	39	26	38	27	3876	26
	2009–2010	35	28	35	28	3857	27
	2010–2011	22	18	22	18	3580	26
	Cum. Total*	96	24	95	24	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	52	35	50	35	4958	33
	2009–2010	42	34	42	34	4443	32
	2010–2011	41	34	41	34	4038	30
	Cum. Total*	135	34	133	34	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	25.40	45.4	25.40	45.4	24.90	44.5
D. The Physical Setting	34	61	15.40	45.3	15.40	45.3	15.30	45.0
D1/D2 Space/Earth	11	20	4.70	42.7	4.70	42.7	4.60	41.8
D3/D4 Matter and Energy/Force and Motion	23	41	10.70	46.5	10.70	46.5	10.70	46.5
E. The Living Environment	22	39	10.00	45.5	10.00	45.5	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: Waterville Public Schools
School: Waterville Senior 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	120	9	8	48	40	22	18	41	34	1142	120	8	40	18	34	1142	13574	5	39	26	30	1141
Gender																						
Male	62	8	13	29	47	11	18	14	23	1146	62	13	47	18	23	1146	7041	6	42	24	29	1142
Female	58	1	2	19	33	11	19	27	47	1138	58	2	33	19	47	1138	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	1										1						104	3	23	30	44	1137
Asian	4										4						153	6	44	25	25	1142
Black or African American	1										1						333	1	17	15	67	1132
Native Hawaiian or Pacific Islander	0										0						7					
White (non-Hispanic)	113	9	8	44	39	20	18	40	35	1142	113	8	39	18	35	1142	12760	5	40	27	29	1141
Two or more races	0										0						61	3	36	31	30	1140
LEP Status																						
Currently LEP student	1										1						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	119	9	8	47	39	22	18	41	34	1142	119	8	39	18	34	1142	13297	5	40	27	29	1141
IEP																						
Students with an IEP	17	0	0	2	12	3	18	12	71	1132	17	0	12	18	71	1132	1644	1	10	19	70	1132
All Other Students	103	9	9	46	45	19	18	29	28	1144	103	9	45	18	28	1144	11930	5	43	27	24	1142
SES																						
Economically Disadvantaged Students	56	3	5	14	25	12	21	27	48	1139	56	5	25	21	48	1139	4554	2	26	28	44	1137
All Other Students	64	6	9	34	53	10	16	14	22	1145	64	9	53	16	22	1145	9020	6	46	26	22	1143
Migrant																						
Migrant Students	0										0						4					
All Other Students	120	9	8	48	40	22	18	41	34	1142	120	8	40	18	34	1142	13570	5	39	26	30	1141
Title 1																						
Students Receiving Title 1 Services	0										0						210	0	18	31	51	1135
All Other Students	120	9	8	48	40	22	18	41	34	1142	120	8	40	18	34	1142	13364	5	39	26	29	1141
504 Plan																						
Students with a 504 plan	5										5						430	5	40	25	30	1142
All Other Students	115	9	8	45	39	22	19	39	34	1142	115	8	39	19	34	1142	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