



July 2008

**DEPARTMENT OF EDUCATION**  
2007–2008 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*, adopted by the Maine Legislature in 1997. The Maine Educational Assessment (MEA) is administered in grades 3 through 8 to meet these state assessment requirements. Since the spring of 2006, the SAT Reasoning Test™ (SAT) 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 achievement. As last year, the mathematics portion of the SAT Reasoning Test™ was augmented with 18 additional mathematics items (the Math-A test) to more fully measure Maine’s *Learning Results*. Additionally, Science and Technology testing resumed this year after a two-year hiatus. The combined tests form the Maine High School Assessment (MHSA).

Because the MHSA Science & Technology achievement level standards had not been revised in 2006 like all other disciplines, it was necessary to revise the standards for that discipline this spring. The new achievement level standards are the result of a comprehensive process informed by Maine teachers and reviewed by advisory committees. The achievement level standards for the 2008 Critical Reading, Writing and Mathematics sections of the MHSA were not changed.

These 2007-2008 Maine High School Assessment Summary Reports contain the results of student performance in critical reading, mathematics, writing, and science & technology reported according to the achievement standards described above and disaggregated by student and school characteristics. This report, together with individual student and subject-specific student roster 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 for most students may also be used for college admission, scores for students who received accommodations during the test administration that exceeded those made available by the College Board are not college reportable.

The state results reflect scores based on SAT, Math-A, and Science & Technology test questions that were taken by over 15,000 students who were enrolled in their third year of high school across all Maine public schools. The MHSA employs a design that requires students to create a written response to a writing prompt, generate answers to open-ended mathematics and science & technology questions, and in all subjects, select answers to multiple-choice questions. More information about the design, history, and use of the SAT can be found at: [http://www.maine.gov/education/sat\\_initiative/](http://www.maine.gov/education/sat_initiative/).

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,

Susan A. Gendron  
Commissioner of Education



# High School Report

Test Date: May 2008  
ID: 12411660  
SAU: MSAD 47  
School: Messalonskee 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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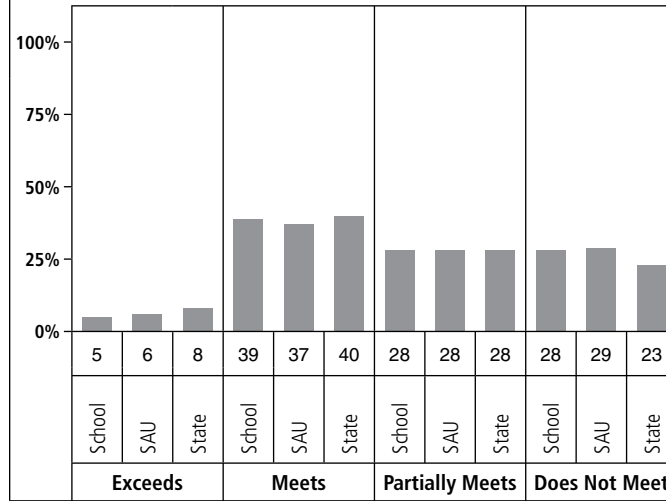
# SUMMARY OF SCORES

Test Date: May 2008  
SAU: MSAD 47  
School: Messalonskee High School

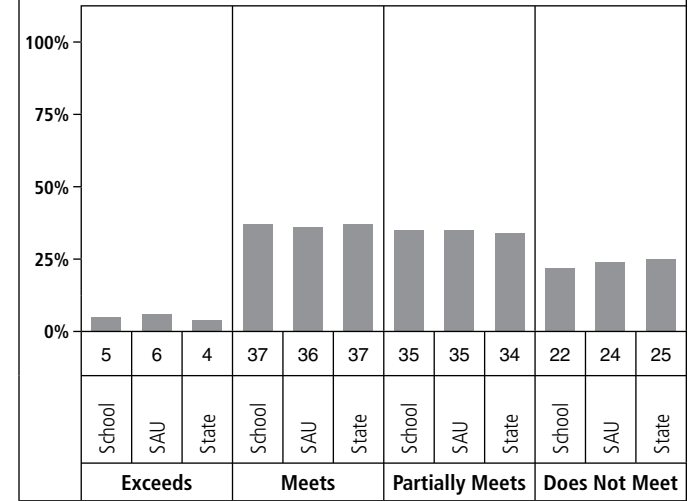
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>Critical Reading</b> 2006–2007	1138	1138	1141
<b>2007–2008</b>	<b>1138</b>	<b>1138</b>	<b>1141</b>
<b>Mathematics</b> 2006–2007	1140	1140	1140
<b>2007–2008</b>	<b>1141</b>	<b>1141</b>	<b>1141</b>
<b>Writing</b> 2006–2007	1137	1137	1141
<b>2007–2008</b>	<b>1136</b>	<b>1136</b>	<b>1140</b>
<b>Science</b> 2007–2008	<b>1140</b>	<b>1140</b>	<b>1141</b>

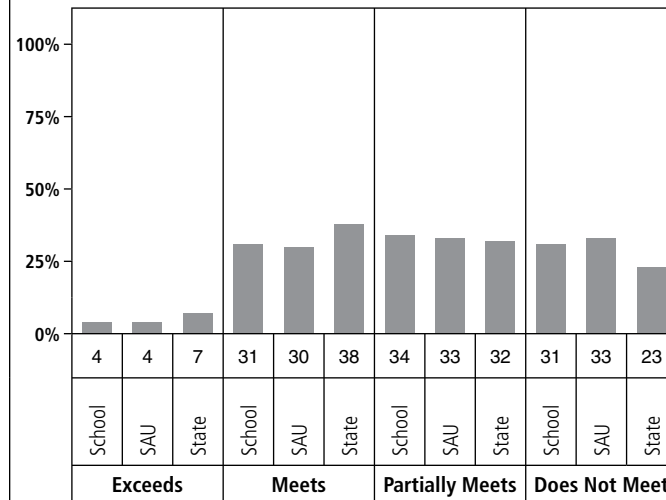
### CRITICAL READING



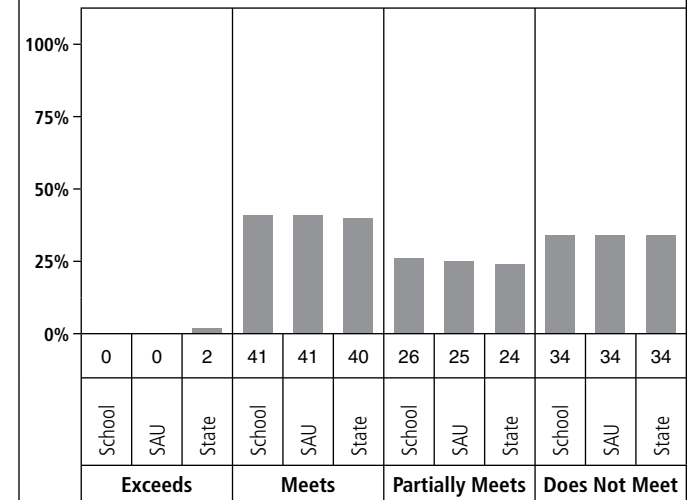
### MATHEMATICS



### WRITING



### SCIENCE



# SUMMARY OF STUDENT PARTICIPATION

Test Date: May 2008  
SAU: MSAD 47  
School: Messalonskee High School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																							
							Critical Reading						Mathematics						Writing						Science					
	School		SAU		State		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	%
<b>Total number of students</b>	218	100	225	100	15604	100	217	100	224	100	14875	96	217	100	224	100	15165	97	216	99	223	99	14869	96	215	99	220	98	14961	96
<b>Ethnicity</b> African American/Black	3	1	3	1	305	2	3	100	3	100	261	86	3	100	3	100	286	95	3	100	3	100	260	86	3	100	3	100	280	93
American Indian or Native Alaskan	1	0	1	0	103	1	1	100	1	100	95	93	1	100	1	100	97	95	1	100	1	100	95	93	1	100	1	100	93	91
Asian or Pacific Islander	1	0	1	0	215	1	1	100	1	100	194	90	1	100	1	100	202	94	1	100	1	100	194	90	1	100	1	100	200	93
Hispanic	1	0	1	0	140	1	1	100	1	100	118	84	1	100	1	100	123	88	1	100	1	100	118	84	1	100	1	100	120	86
Caucasian/White	212	97	219	97	14841	95	211	100	218	100	14207	96	211	100	218	100	14457	98	210	99	217	99	14202	96	209	99	214	98	14268	96
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	0	0	0	0	0	0
<b>Identified disability</b>	31	14	34	15	2247	14	31	100	34	100	2065	93	31	100	34	100	2138	96	30	97	33	97	2060	92	30	97	33	97	2081	93
<b>Current LEP</b>	4	2	6	3	648	4	4	100	6	100	508	79	4	100	6	100	564	87	4	100	6	100	507	78	4	100	4	67	534	83
<b>Economically disadvantaged</b>	46	21	46	20	4028	26	46	100	46	100	3682	92	46	100	46	100	3831	95	46	100	46	100	3679	92	45	98	44	96	3755	94
<b>Migrant</b>	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100

MODE OF PARTICIPATION <sup>3</sup>	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	%
<b>Participation without accommodations</b>	206	94	214	95	13042	84	206	94	214	95	13332	85	206	94	214	95	13042	84	205	94	211	94	13192	85
Identified disability (PET/IEP)	24	12	28	13	739	6	24	12	28	13	810	6	24	12	28	13	739	6	24	12	28	13	791	6
LEP	4	2	6	3	399	3	4	2	6	3	456	3	4	2	6	3	399	3	4	2	4	2	436	3
504 plan	4	2	4	2	196	2	4	2	4	2	204	2	4	2	4	2	196	2	4	2	4	2	201	2
<b>Participation with accommodations</b>	6	3	6	3	1623	10	6	3	6	3	1624	10	6	3	6	3	1625	10	6	3	6	3	1567	10
Identified disability (PET/IEP)	2	33	2	33	1117	69	2	33	2	33	1119	69	2	33	2	33	1119	69	2	33	2	33	1088	69
LEP	0	0	0	0	93	6	0	0	0	0	93	6	0	0	0	0	93	6	0	0	0	0	83	5
504 plan	0	0	0	0	58	4	0	0	0	0	58	4	0	0	0	0	58	4	0	0	0	0	55	4
Other	4	67	4	67	367	23	4	67	4	67	366	23	4	67	4	67	367	23	4	67	4	67	353	23
<b>Participation through alternate assessment (PAAP)</b>	5	2	4	2	209	1	5	2	4	2	209	1	4	2	3	1	202	1	4	2	3	1	202	1
Identified disability (PET/IEP)	5	100	4	100	209	100	5	100	4	100	209	100	4	100	3	100	202	100	4	100	3	100	202	100
LEP	0	0	0	0	15	7	0	0	0	0	15	7	0	0	0	0	15	7	0	0	0	0	15	7
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	1	0																		
<b>Approved non-participation – special consideration</b>	0	0	0	0	36	0	0	0	0	0	40	0	0	0	0	0	36	0	0	0	0	0	38	0
<b>Non-participation – other</b>	1	0	1	0	693	4	1	0	1	0	399	3	2	1	2	1	699	4	3	1	5	2	605	4

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.

# CRITICAL READING RESULTS

Test Date: May 2008  
SAU: MSAD 47  
School: Messalonskee 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	%	
<b>Exceeds the Standards</b> – 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 1161-1180)	2005-2006	11	5	10	5	1079	7
	2006-2007	8	4	7	4	1168	8
	<b>2007-2008</b>	<b>11</b>	<b>5</b>	<b>13</b>	<b>6</b>	<b>1184</b>	<b>8</b>
	Cum. Total*	30	5	30	5	3431	8
<b>Meets the Standards</b> – 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 1141-1160)	2005-2006	87	39	79	39	5697	38
	2006-2007	67	31	61	31	5714	38
	<b>2007-2008</b>	<b>82</b>	<b>39</b>	<b>82</b>	<b>37</b>	<b>5885</b>	<b>40</b>
	Cum. Total*	236	36	222	36	17296	39
<b>Partially Meets the Standards</b> – 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 1129-1140)	2005-2006	64	29	61	30	4772	32
	2006-2007	84	39	81	41	4728	31
	<b>2007-2008</b>	<b>60</b>	<b>28</b>	<b>61</b>	<b>28</b>	<b>4093</b>	<b>28</b>
	Cum. Total*	208	32	203	33	13593	30
<b>Does Not Meet the Standards</b> – 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)	2005-2006	60	27	54	26	3595	24
	2006-2007	56	26	51	26	3444	23
	<b>2007-2008</b>	<b>59</b>	<b>28</b>	<b>64</b>	<b>29</b>	<b>3417</b>	<b>23</b>
	Cum. Total*	175	27	169	27	10456	23

\*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 2008  
SAU: MSAD 47  
School: Messalonskee High 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	%	%	%	%		
<b>All Students</b>	212	11	5	82	39	60	28	59	28	1138	220	6	37	28	29	1138	14579	8	40	28	23	1141	
<b>Ethnicity</b>																							
African American/Black	3									1121	3					1121	248	4	21	27	48	1132	
American Indian or Native Alaskan	1									1141	1					1141	94	5	27	28	40	1134	
Asian or Pacific Islander	1									1138	1					1138	192	4	35	30	31	1138	
Hispanic	1									1138	1					1138	115	5	32	26	37	1136	
Caucasian/White	206	11	5	80	39	58	28	57	28	1138	214	6	37	28	29	1138	13930	8	41	28	23	1141	
Not Reported	0									1138	0					1138	0						
<b>Identified disability</b>																							
Yes	26	0	0	1	4	3	12	22	85	1121	30	0	3	13	83	1121	1823	1	9	24	65	1126	
No	186	11	6	81	44	57	31	37	20	1141	190	7	43	30	21	1141	12756	9	45	29	17	1143	
<b>Current LEP</b>																							
Yes	4									1133	6	0	33	17	50	1133	488	3	22	24	52	1132	
No	208	11	5	80	38	59	28	58	28	1138	214	6	37	28	29	1138	14091	8	41	28	22	1141	
<b>Economically disadvantaged</b>																							
Yes	43	2	5	11	26	8	19	22	51	1132	44	5	25	18	52	1132	3545	3	28	30	39	1134	
No	169	9	5	71	42	52	31	37	22	1140	176	6	40	30	23	1140	11034	10	44	27	19	1143	
<b>Migrant</b>																							
Yes	0									1136	0					1136	5	20	0	40	40	1136	
No	212	11	5	82	39	60	28	59	28	1138	220	6	37	28	29	1138	14574	8	40	28	23	1141	
<b>Gender</b>																							
Female	106	6	6	47	44	34	32	19	18	1141	107	7	44	32	18	1141	7237	8	42	30	19	1142	
Male	106	5	5	35	33	26	25	40	38	1136	113	5	31	24	40	1135	7342	8	38	26	28	1140	
Not Reported	0									1138	0					1138	0						
<b>Title 1A targeted program</b>																							
Yes	0									1138	0					1138	103	0	9	30	61	1127	
No	212	11	5	82	39	60	28	59	28	1138	220	6	37	28	29	1138	14476	8	41	28	23	1141	
<b>Gifted/talented program</b>																							
Yes	0									1138	0					1138	295	48	48	4	0	1161	
No	212	11	5	82	39	60	28	59	28	1138	220	6	37	28	29	1138	14284	7	40	29	24	1140	

# MATHEMATICS RESULTS

Test Date: May 2008  
SAU: MSAD 47  
School: Messalonskee 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	%
<b>Exceeds the Standards</b> – 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 1161-1180)	2006-2007	11	5	10	5	578	4
	2007-2008	11	5	13	6	637	4
<b>Meets the Standards</b> – 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 1141-1160)	2006-2007	74	34	69	34	5481	36
	2007-2008	79	37	79	36	5508	37
<b>Partially Meets the Standards</b> – 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 1133-1140)	2006-2007	63	29	59	29	4754	31
	2007-2008	75	35	76	35	5065	34
<b>Does Not Meet the Standards</b> – 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)	2006-2007	69	32	66	32	4607	30
	2007-2008	47	22	52	24	3660	25

\*Standards were reset for mathematics in 2007 so only two years of historical data are displayed.

# MATHEMATICS RESULTS BY REPORTING SUBGROUPS

Test Date: May 2008  
SAU: MSAD 47  
School: Messalonskee High 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	%	%	%	%		
<b>All Students</b>	212	11	5	79	37	75	35	47	22	1141	220	6	36	35	24	1141	14870	4	37	34	25	1141	
<b>Ethnicity</b>																							
African American/Black	3										3						274	1	12	31	57	1133	
American Indian or Native Alaskan	1										1						96	2	24	30	44	1136	
Asian or Pacific Islander	1										1						200	8	37	34	22	1142	
Hispanic	1										1						120	3	23	32	43	1138	
Caucasian/White	206	11	5	78	38	72	35	45	22	1141	214	6	36	34	23	1141	14180	4	38	34	24	1141	
Not Reported	0										0						0						
<b>Identified disability</b>																							
Yes	26	0	0	0	0	6	23	20	77	1128	30	0	0	23	77	1126	1896	0	8	22	70	1130	
No	186	11	6	79	42	69	37	27	15	1143	190	7	42	36	15	1143	12974	5	41	36	18	1142	
<b>Current LEP</b>																							
Yes	4										6	0	17	33	50	1136	545	3	16	28	53	1135	
No	208	11	5	78	38	73	35	46	22	1141	214	6	36	35	23	1141	14325	4	38	34	24	1141	
<b>Economically disadvantaged</b>																							
Yes	43	1	2	13	30	16	37	13	30	1138	44	2	30	36	32	1138	3695	1	22	37	40	1136	
No	169	10	6	66	39	59	35	34	20	1142	176	7	38	34	22	1142	11175	5	42	33	19	1142	
<b>Migrant</b>																							
Yes	0										0						5	20	20	40	20	1144	
No	212	11	5	79	37	75	35	47	22	1141	220	6	36	35	24	1141	14865	4	37	34	25	1141	
<b>Gender</b>																							
Female	106	6	6	43	41	36	34	21	20	1141	107	7	40	34	20	1142	7362	3	36	36	24	1140	
Male	106	5	5	36	34	39	37	26	25	1141	113	5	32	35	27	1140	7508	5	38	32	25	1141	
Not Reported	0										0						0						
<b>Title 1A targeted program</b>																							
Yes	0										0						103	0	8	41	51	1134	
No	212	11	5	79	37	75	35	47	22	1141	220	6	36	35	24	1141	14767	4	37	34	24	1141	
<b>Gifted/talented program</b>																							
Yes	0										0						296	35	59	5	0	1158	
No	212	11	5	79	37	75	35	47	22	1141	220	6	36	35	24	1141	14574	4	37	35	25	1140	

# WRITING RESULTS

Test Date: May 2008  
SAU: MSAD 47  
School: Messalonskee 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><b>Exceeds the Standards</b> – 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 1161-1180)</p>	2005-2006	16	7	15	7	952	6
	2006-2007	6	3	6	3	937	6
	<b>2007-2008</b>	<b>8</b>	<b>4</b>	<b>9</b>	<b>4</b>	<b>962</b>	<b>7</b>
	Cum. Total*	30	5	30	5	2851	6
<p><b>Meets the Standards</b> – 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 1141-1160)</p>	2005-2006	82	37	77	38	6055	40
	2006-2007	70	33	63	32	6167	41
	<b>2007-2008</b>	<b>65</b>	<b>31</b>	<b>66</b>	<b>30</b>	<b>5564</b>	<b>38</b>
	Cum. Total*	217	33	206	33	17786	40
<p><b>Partially Meets the Standards</b> – 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 1129-1140)</p>	2005-2006	63	28	57	28	4916	32
	2006-2007	73	34	70	35	4723	31
	<b>2007-2008</b>	<b>73</b>	<b>34</b>	<b>73</b>	<b>33</b>	<b>4679</b>	<b>32</b>
	Cum. Total*	209	32	200	32	14318	32
<p><b>Does Not Meet the Standards</b> – 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>	2005-2006	61	27	55	27	3221	21
	2006-2007	66	31	61	31	3227	21
	<b>2007-2008</b>	<b>66</b>	<b>31</b>	<b>72</b>	<b>33</b>	<b>3376</b>	<b>23</b>
	Cum. Total*	193	30	188	30	9824	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 2008
SAU: MSAD 47
School: Messalonskee High 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	%	%	%	%	
<b>All Students</b>	212	8	4	65	31	73	34	66	31	1136	220	4	30	33	33	1136	14581	7	38	32	23	1140
<b>Ethnicity</b>																						
African American/Black	3										3						248	2	19	30	49	1131
American Indian or Native Alaskan	1										1						94	3	19	38	39	1133
Asian or Pacific Islander	1										1						192	6	30	34	30	1137
Hispanic	1										1						115	2	30	36	33	1136
Caucasian/White	206	8	4	64	31	70	34	64	31	1136	214	4	30	33	33	1136	13932	7	39	32	22	1140
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	26	0	0	0	0	3	12	23	88	1120	30	0	0	10	90	1120	1825	1	7	23	69	1125
No	186	8	4	65	35	70	38	43	23	1139	190	5	35	37	24	1139	12756	7	43	33	17	1142
<b>Current LEP</b>																						
Yes	4										6	0	33	17	50	1130	488	3	19	29	49	1131
No	208	8	4	63	30	72	35	65	31	1136	214	4	30	34	32	1136	14093	7	39	32	22	1140
<b>Economically disadvantaged</b>																						
Yes	43	1	2	10	23	13	30	19	44	1132	44	2	23	30	45	1131	3546	2	25	35	38	1134
No	169	7	4	55	33	60	36	47	28	1138	176	5	32	34	30	1137	11035	8	42	31	18	1142
<b>Migrant</b>																						
Yes	0										0						5	20	0	20	60	1131
No	212	8	4	65	31	73	34	66	31	1136	220	4	30	33	33	1136	14576	7	38	32	23	1140
<b>Gender</b>																						
Female	106	6	6	37	35	39	37	24	23	1139	107	7	35	36	22	1139	7239	8	43	33	17	1142
Male	106	2	2	28	26	34	32	42	40	1134	113	2	26	30	42	1133	7342	6	34	31	30	1138
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						103	0	7	39	54	1128
No	212	8	4	65	31	73	34	66	31	1136	220	4	30	33	33	1136	14478	7	38	32	23	1140
<b>Gifted/talented program</b>																						
Yes	0										0						295	42	53	4	0	1159
No	212	8	4	65	31	73	34	66	31	1136	220	4	30	33	33	1136	14286	6	38	33	24	1139

**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

Test Date: May 2008  
SAU: MSAD 47  
School: Messalonskee 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.

**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 using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 1161-1180)

**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 using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 1141-1160)

**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 using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 1135-1140)

**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 and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 1100-1134)

## STUDENTS AT EACH ACHIEVEMENT LEVEL\*

	School		SAU		State	
	N	%	N	%	N	%
<b>2007-2008</b>	0	0	0	0	300	2
<b>2007-2008</b>	86	41	89	41	5927	40
<b>2007-2008</b>	54	26	54	25	3544	24
<b>2007-2008</b>	71	34	74	34	4988	34

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	15	27	6.49	43.3	6.48	43.2	6.41	42.7
Cluster 2: Physical Sciences	14	25	6.24	44.6	6.22	44.4	6.22	44.4
Cluster 3: Earth and Space Sciences	14	25	4.75	33.9	4.76	34.0	5.04	36.0
Cluster 4: Nature and Implications of Science	13	23	6.45	49.6	6.40	49.2	6.59	50.7

**Cluster 1: Life Sciences**

- A. Classifying Life Forms
- B. Ecology
- C. Cells

**Cluster 2: Physical Sciences**

- E. Structure of Matter
- H. Energy
- I. Motion

**Cluster 3: Earth and Space Sciences**

- D. Continuity and Change
- F. The Earth
- G. The Universe

**Cluster 4: Nature and Implications of Science**

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine's 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MHSA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

\*Because science testing at the high school level resumed in 2008 after a two-year hiatus and new achievement level standards were set for the MHSA science test, historical data are not available.

# SCIENCE RESULTS BY REPORTING SUBGROUPS

Test Date: May 2008  
SAU: MSAD 47  
School: Messalonskee High 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	%	%	%	%	
<b>All Students</b>	211	0	0	86	41	54	26	71	34	1140	217	0	41	25	34	1140	14759	2	40	24	34	1141
<b>Ethnicity</b>																						
African American/Black	3										3						269	0	20	14	65	1134
American Indian or Native Alaskan	1										1						92	1	24	28	47	1138
Asian or Pacific Islander	1										1						199	3	36	25	36	1140
Hispanic	1										1						118	1	26	19	54	1136
Caucasian/White	205	0	0	85	41	52	25	68	33	1140	211	0	42	25	34	1140	14081	2	41	24	33	1141
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	26	0	0	2	8	3	12	21	81	1132	30	0	10	10	80	1131	1879	0	11	17	72	1133
No	185	0	0	84	45	51	28	50	27	1141	187	0	46	27	27	1142	12880	2	44	25	28	1142
<b>Current LEP</b>																						
Yes	4										4						519	1	18	19	62	1134
No	207	0	0	85	41	53	26	69	33	1140	213	0	41	25	34	1140	14240	2	41	24	33	1141
<b>Economically disadvantaged</b>																						
Yes	42	0	0	12	29	10	24	20	48	1138	42	0	29	24	48	1138	3651	1	26	24	49	1137
No	169	0	0	74	44	44	26	51	30	1141	175	0	44	25	31	1141	11108	3	45	24	29	1142
<b>Migrant</b>																						
Yes	0										0						5	20	40	40	0	1146
No	211	0	0	86	41	54	26	71	34	1140	217	0	41	25	34	1140	14754	2	40	24	34	1141
<b>Gender</b>																						
Female	106	0	0	45	42	24	23	37	35	1140	107	0	43	22	35	1140	7277	1	37	26	36	1140
Male	105	0	0	41	39	30	29	34	32	1140	110	0	39	27	34	1140	7482	3	43	22	32	1141
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						100	1	5	22	72	1133
No	211	0	0	86	41	54	26	71	34	1140	217	0	41	25	34	1140	14659	2	40	24	34	1141
<b>Gifted/talented program</b>																						
Yes	0										0						296	13	80	5	3	1152
No	211	0	0	86	41	54	26	71	34	1140	217	0	41	25	34	1140	14463	2	39	24	34	1140