



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: 11901454
SAU: Yarmouth Schools
School: Yarmouth High School

Contents of the Report

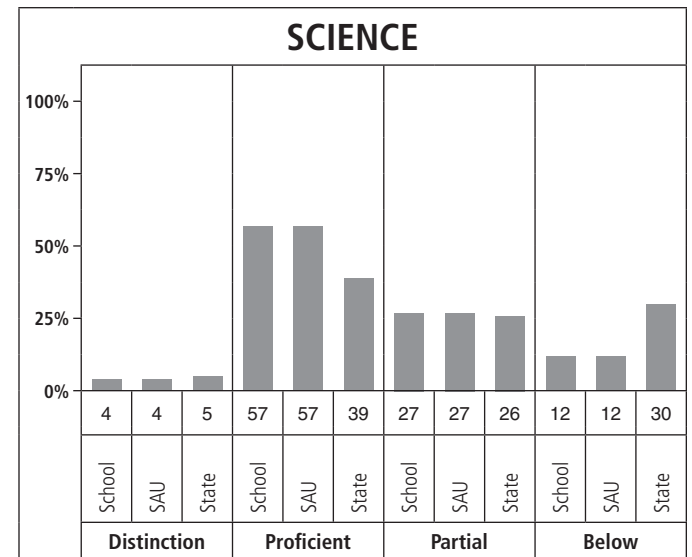
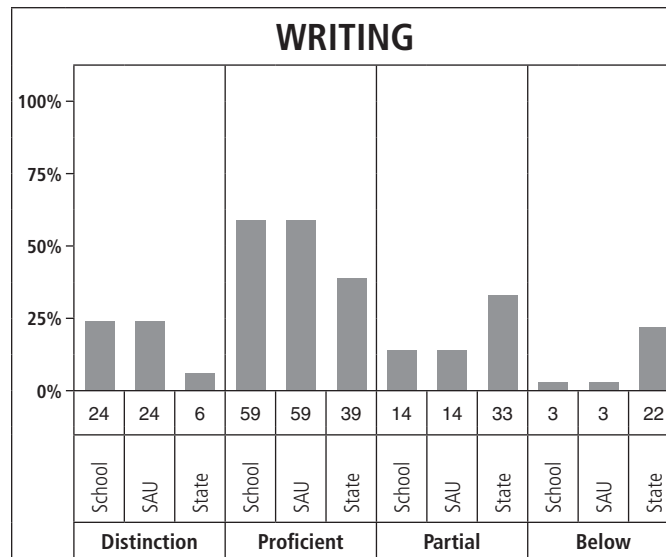
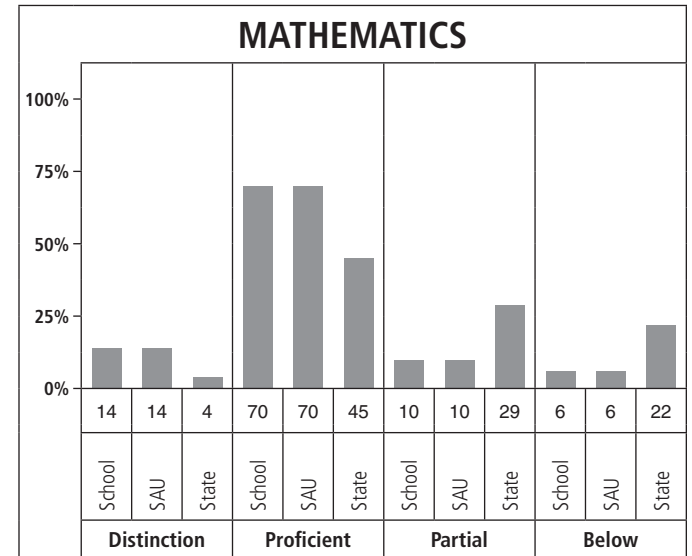
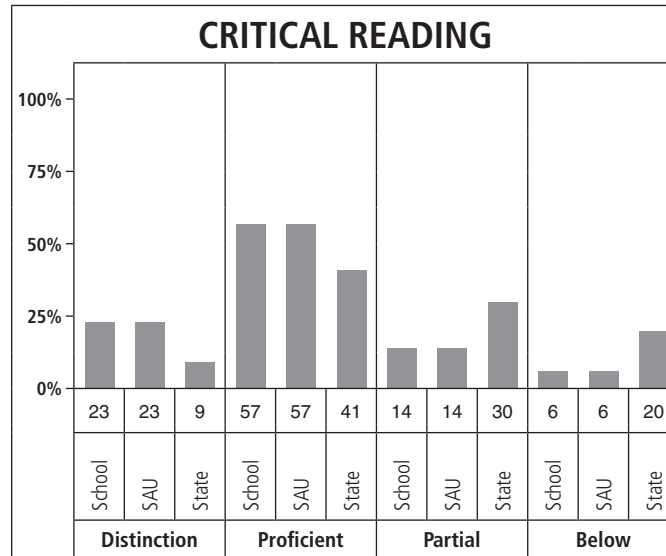
The report is divided into six main sections including a section describing the students tested and a separate section for the results in each content area.

<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: Yarmouth Schools
School: Yarmouth High School

Summary of School, SAU, and State Scores			
Year	Average Scaled Score		
	School	SAU	State
Critical Reading			
2008–2009	1154	1154	1141
2009–2010	1153	1153	1141
2010–2011	1151	1151	1142
Cum. Average*	1153	1153	1141
Mathematics			
2008–2009	1151	1150	1141
2009–2010	1152	1152	1142
2010–2011	1151	1151	1142
Cum. Average*	1151	1151	1142
Writing			
2008–2009	1154	1153	1140
2009–2010	1155	1155	1140
2010–2011	1152	1152	1140
Cum. Average*	1154	1153	1140
Science			
2008–2009	1148	1147	1140
2009–2010	1147	1147	1141
2010–2011	1145	1145	1141
Cum. Average*	1147	1146	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: Yarmouth Schools
School: Yarmouth 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	106	100	106	100	14331	100	100	94	100	94	13752	96	100	94	100	94	13748	96	100	94	100	94	13759	96	100	94	100	94	13776	96	
Ethnicity Hispanic or Latino	0	0	0	0	174	1	0	0	0	0	155	90	0	0	0	0	155	90	0	0	0	0	155	90	0	0	0	0	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	1	1	1	1	176	1	1	100	1	100	170	97	1	100	1	100	170	97	1	100	1	100	170	97	1	100	1	100	158	90
	Black or African American	1	1	1	1	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	104	98	104	98	13429	94	99	95	99	95	12919	96	99	95	99	95	12914	96	99	95	99	95	12924	96	99	95	99	95	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	16	17	16	1998	14	13	76	13	76	1820	91	13	76	13	76	1820	91	13	76	13	76	1817	91	13	76	13	76	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	8	8	8	8	4967	35	6	75	6	75	4644	94	6	75	6	75	4644	94	6	75	6	75	4649	94	6	75	6	75	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	89	84	89	84	12231	85	89	84	89	84	12224	85	89	84	89	84	12238	85	89	84	89	84	12309	86
Identified disability (IEP)	3	3	3	3	732	6	3	3	3	3	730	6	3	3	3	3	731	6	3	3	3	3	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	10	9	10	9	1315	9	10	9	10	9	1312	9	10	9	10	9	1318	9	10	9	10	9	1265	9
Identified disability (IEP)	9	90	9	90	882	67	9	90	9	90	878	67	9	90	9	90	883	67	9	90	9	90	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)	1	1	1	1	206	1	1	1	1	1	212	1	1	1	1	1	203	1	1	1	1	1	202	1
Identified disability (IEP)	1	100	1	100	206	100	1	100	1	100	212	100	1	100	1	100	203	100	1	100	1	100	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	6	6	6	6	565	4	6	6	6	6	569	4	6	6	6	6	558	4	6	6	6	6	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: Yarmouth Schools
School: Yarmouth 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	33	28	33	28	1339	9
	2009-2010	37	30	37	30	1369	10
	2010-2011	23	23	23	23	1165	9
	Cum. Total*	93	27	93	27	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	73	61	73	61	5897	40
	2009-2010	59	48	59	48	5248	38
	2010-2011	56	57	56	57	5595	41
	Cum. Total*	188	55	188	55	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	8	10	8	4169	28
	2009-2010	25	20	25	20	4121	30
	2010-2011	14	14	14	14	4010	30
	Cum. Total*	49	14	49	14	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	3	3	4	3	3255	22
	2009-2010	1	1	1	1	3081	22
	2010-2011	6	6	6	6	2776	20
	Cum. Total*	10	3	11	3	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: Yarmouth Schools
School: Yarmouth 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	99	23	23	56	57	14	14	6	6	1151	99	23	57	14	6	1151	13546	9	41	30	20	1142
Gender																						
Male	52	11	21	27	52	11	21	3	6	1149	52	21	52	21	6	1149	7007	8	38	29	24	1140
Female	47	12	26	29	62	3	6	3	6	1153	47	26	62	6	6	1153	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	0										0						103	4	31	33	32	1137
Asian	1										1						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)	98	23	23	55	56	14	14	6	6	1151	98	23	56	14	6	1151	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	99	23	23	56	57	14	14	6	6	1151	99	23	57	14	6	1151	13263	9	42	30	19	1142
IEP																						
Students with an IEP	12	2	17	3	25	5	42	2	17	1140	12	17	25	42	17	1140	1614	1	11	26	62	1128
All Other Students	87	21	24	53	61	9	10	4	5	1152	87	24	61	10	5	1152	11932	10	45	30	15	1144
SES																						
Economically Disadvantaged Students	6										6						4522	3	30	33	33	1136
All Other Students	93	23	25	53	57	13	14	4	4	1152	93	25	57	14	4	1152	9024	11	47	28	14	1144
Migrant																						
Migrant Students	0										0						3					
All Other Students	99	23	23	56	57	14	14	6	6	1151	99	23	57	14	6	1151	13543	9	41	30	20	1142
Title 1																						
Students Receiving Title 1 Services	0										0						211	3	18	45	35	1134
All Other Students	99	23	23	56	57	14	14	6	6	1151	99	23	57	14	6	1151	13335	9	42	29	20	1142
504 Plan																						
Students with a 504 plan	3										3						431	9	39	31	22	1141
All Other Students	96	23	24	56	58	12	13	5	5	1151	96	24	58	13	5	1151	13115	9	41	30	20	1142

MATHEMATICS RESULTS

Test Date: May 2011
SAU: Yarmouth Schools
School: Yarmouth 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	20	17	20	17	596	4
	2009-2010	24	20	24	20	524	4
	2010-2011	14	14	14	14	571	4
	Cum. Total*	58	17	58	17	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	73	61	73	60	5674	38
	2009-2010	76	62	76	62	5736	42
	2010-2011	69	70	69	70	6040	45
	Cum. Total*	218	64	218	64	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	21	18	21	17	4622	31
	2009-2010	17	14	17	14	4444	32
	2010-2011	10	10	10	10	3910	29
	Cum. Total*	48	14	48	14	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	6	5	7	6	4116	27
	2009-2010	5	4	5	4	3103	22
	2010-2011	6	6	6	6	3015	22
	Cum. Total*	17	5	18	5	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: Yarmouth Schools
School: Yarmouth 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	99	14	14	69	70	10	10	6	6	1151	99	14	70	10	6	1151	13536	4	45	29	22	1142
Gender																						
Male	52	8	15	38	73	5	10	1	2	1152	52	15	73	10	2	1152	7003	5	45	27	22	1142
Female	47	6	13	31	66	5	11	5	11	1150	47	13	66	11	11	1150	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	0										0						102	1	31	29	38	1137
Asian	1										1						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)	98	14	14	68	69	10	10	6	6	1151	98	14	69	10	6	1151	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	99	14	14	69	70	10	10	6	6	1151	99	14	70	10	6	1151	13253	4	45	29	21	1142
IEP																						
Students with an IEP	12	0	0	7	58	3	25	2	17	1146	12	0	58	25	17	1146	1608	<1	9	23	68	1130
All Other Students	87	14	16	62	71	7	8	4	5	1152	87	16	71	8	5	1152	11928	5	49	30	16	1143
SES																						
Economically Disadvantaged Students	6										6						4519	1	29	34	36	1137
All Other Students	93	14	15	68	73	8	9	3	3	1152	93	15	73	9	3	1152	9017	6	52	26	16	1144
Migrant																						
Migrant Students	0										0						3					
All Other Students	99	14	14	69	70	10	10	6	6	1151	99	14	70	10	6	1151	13533	4	45	29	22	1142
Title 1																						
Students Receiving Title 1 Services	0										0						211	<1	14	46	39	1135
All Other Students	99	14	14	69	70	10	10	6	6	1151	99	14	70	10	6	1151	13325	4	45	29	22	1142
504 Plan																						
Students with a 504 plan	3										3						431	4	38	33	25	1141
All Other Students	96	14	15	69	72	8	8	5	5	1152	96	15	72	8	5	1152	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: Yarmouth Schools
School: Yarmouth 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	35	29	35	29	1062	7
	2009-2010	43	36	43	36	974	7
	2010-2011	24	24	24	24	865	6
	Cum. Total*	102	30	102	30	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	64	53	64	53	5706	39
	2009-2010	64	53	64	53	5463	40
	2010-2011	58	59	58	59	5255	39
	Cum. Total*	186	55	186	55	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	18	15	18	15	4487	31
	2009-2010	12	10	12	10	4385	32
	2010-2011	14	14	14	14	4419	33
	Cum. Total*	44	13	44	13	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	3	3	4	3	3408	23
	2009-2010	2	2	2	2	2997	22
	2010-2011	3	3	3	3	3017	22
	Cum. Total*	8	2	9	3	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: Yarmouth Schools
School: Yarmouth 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	99	24	24	58	59	14	14	3	3	1152	99	24	59	14	3	1152	13556	6	39	33	22	1140
Gender																						
Male	52	10	19	31	60	10	19	1	2	1150	52	19	60	19	2	1150	7014	5	33	34	28	1138
Female	47	14	30	27	57	4	9	2	4	1154	47	30	57	9	4	1154	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	0										0						104	5	23	36	37	1134
Asian	1										1						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)	98	24	24	57	58	14	14	3	3	1152	98	24	58	14	3	1152	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	99	24	24	58	59	14	14	3	3	1152	99	24	59	14	3	1152	13273	7	39	33	21	1140
IEP																						
Students with an IEP	12	1	8	5	42	4	33	2	17	1141	12	8	42	33	17	1141	1614	1	8	24	68	1126
All Other Students	87	23	26	53	61	10	11	1	1	1153	87	26	61	11	1	1153	11942	7	43	34	16	1142
SES																						
Economically Disadvantaged Students	6										6						4528	2	26	36	36	1134
All Other Students	93	24	26	54	58	12	13	3	3	1152	93	26	58	13	3	1152	9028	9	45	31	15	1143
Migrant																						
Migrant Students	0										0						3					
All Other Students	99	24	24	58	59	14	14	3	3	1152	99	24	59	14	3	1152	13553	6	39	33	22	1140
Title 1																						
Students Receiving Title 1 Services	0										0						211	1	14	43	42	1132
All Other Students	99	24	24	58	59	14	14	3	3	1152	99	24	59	14	3	1152	13345	6	39	32	22	1140
504 Plan																						
Students with a 504 plan	3										3						434	7	33	37	23	1139
All Other Students	96	24	25	57	59	12	13	3	3	1152	96	25	59	13	3	1152	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: Yarmouth Schools
School: Yarmouth 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	13	11	13	11	602	4
	2009–2010	17	14	17	14	607	4
	2010–2011	4	4	4	4	644	5
	Cum. Total*	34	10	34	10	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	67	57	67	56	5431	37
	2009–2010	62	51	62	51	5120	37
	2010–2011	56	57	56	57	5312	39
	Cum. Total*	185	55	185	55	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	25	21	25	21	3876	26
	2009–2010	30	25	30	25	3857	27
	2010–2011	27	27	27	27	3580	26
	Cum. Total*	82	24	82	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	13	11	14	12	4958	33
	2009–2010	12	10	12	10	4443	32
	2010–2011	12	12	12	12	4038	30
	Cum. Total*	37	11	38	11	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	29.80	53.2	29.80	53.2	24.90	44.5
D. The Physical Setting	34	61	18.00	52.9	18.00	52.9	15.30	45.0
D1/D2 Space/Earth	11	20	5.30	48.2	5.30	48.2	4.60	41.8
D3/D4 Matter and Energy/Force and Motion	23	41	12.70	55.2	12.70	55.2	10.70	46.5
E. The Living Environment	22	39	11.80	53.6	11.80	53.6	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

*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.

SCIENCE RESULTS

BY REPORTING SUBGROUPS

Test Date: May 2011
SAU: Yarmouth Schools
School: Yarmouth 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	99	4	4	56	57	27	27	12	12	1145	99	4	57	27	12	1145	13574	5	39	26	30	1141
Gender																						
Male	51	3	6	29	57	13	25	6	12	1146	51	6	57	25	12	1146	7041	6	42	24	29	1142
Female	48	1	2	27	56	14	29	6	13	1144	48	2	56	29	13	1144	6533	3	36	29	31	1140
Not Reported	0										0						0					
Primary Race/Ethnicity																						
Hispanic or Latino	0										0						156	5	33	26	37	1140
American Indian or Alaskan Native	0										0						104	3	23	30	44	1137
Asian	1										1						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)	98	4	4	56	57	26	27	12	12	1145	98	4	57	27	12	1145	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	99	4	4	56	57	27	27	12	12	1145	99	4	57	27	12	1145	13297	5	40	27	29	1141
IEP																						
Students with an IEP	12	0	0	5	42	3	25	4	33	1140	12	0	42	25	33	1140	1644	1	10	19	70	1132
All Other Students	87	4	5	51	59	24	28	8	9	1146	87	5	59	28	9	1146	11930	5	43	27	24	1142
SES																						
Economically Disadvantaged Students	6										6						4554	2	26	28	44	1137
All Other Students	93	4	4	55	59	24	26	10	11	1146	93	4	59	26	11	1146	9020	6	46	26	22	1143
Migrant																						
Migrant Students	0										0						4					
All Other Students	99	4	4	56	57	27	27	12	12	1145	99	4	57	27	12	1145	13570	5	39	26	30	1141
Title 1																						
Students Receiving Title 1 Services	0										0						210	0	18	31	51	1135
All Other Students	99	4	4	56	57	27	27	12	12	1145	99	4	57	27	12	1145	13364	5	39	26	29	1141
504 Plan																						
Students with a 504 plan	3										3						430	5	40	25	30	1142
All Other Students	96	4	4	56	58	27	28	9	9	1146	96	4	58	28	9	1146	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