



August 2011

**DEPARTMENT OF EDUCATION**  
2010–2011 School Year Reports

Dear School Board Members and School Personnel:

This 2010–2011 MEA Summary Report contains the results of student achievement in science at grades 5 and 8, as well as disaggregations by student and school characteristics. This report, together with MEA individual student and item analysis reports, provides support for use in program evaluation and planning.

The Maine Educational Assessment (MEA) is the State’s measure of student progress in achieving the State science accountability standards of Maine’s *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA science test is administered to students in grades 5 and 8 to meet state assessment requirements and the federal requirements of the *No Child Left Behind Act*.

MEA results reflect scores based on the common science test questions that are taken by the approximately 14,000 students in each grade level. Students’ scores are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

Thank you for your continuing commitment to improve the quality and effectiveness of the instructional opportunities in your schools. These assuredly will help all students achieve the high standards of the *Learning Results* as demonstrated on classroom, district, and state assessments.

Sincerely,

Stephen L. Bowen  
Commissioner of Education



# Grade 8 Science School Report

Test Date: May 2011  
Code: 1105-1304  
SAU: Medway School Department  
School: Medway Middle School

## Contents of the Report

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

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# May 2011 - Grade 8 MEA Science Test

## Grade Level Summary Report

School: Medway Middle School  
 SAU: Medway School Department  
 State: Maine  
 Code: 1105-1304

Schools and SAUs administered the MEA Science tests to every enrolled student with the following exceptions: students who participated in the alternate assessment for the 2010–11 school year, students for whom a special consideration was granted through the state Department of

Education, and other students for reasons not approved. On this page, and throughout this report, results are only reported for groups of students that are larger than nine (9).

PARTICIPATION SUMMARY	Number			Percentage		
	School	SAU	State	School	SAU	State
<b>Students enrolled</b>	<b>39</b>	<b>40</b>	<b>14,258</b>	<b>100</b>	<b>100</b>	<b>100</b>
	Science			Science		
<b>Students tested</b>	<b>38</b>	<b>38</b>	<b>13,831</b>	<b>97</b>	<b>95</b>	<b>97</b>
With an approved accommodation	6	6	1,898	16	16	14
Current LEP Students	0	0	308	0	0	2
With an approved accommodation	0	0	123			40
IEP Students	10	10	2,045	26	26	15
With an approved accommodation	6	6	1,529	60	60	75
<b>Students not tested in MEA</b>	<b>1</b>	<b>2</b>	<b>427</b>	<b>3</b>	<b>5</b>	<b>3</b>
State Approved	0	1	244	0	50	57
Alternate Assessment	0	1	204		100	84
Special Consideration	0	0	40		0	16
Other	1	1	183	100	50	43

### PERFORMANCE SUMMARY

School												SAU						State						
Enrolled	Not Tested Approved	Not Tested Other	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	%	N	%		N	%	%	%	%		N	%	%	%	%	
39	0	1	38	7	18	19	50	6	16	6	16	846	38	18	50	16	16	846	13,831	20	51	20	9	849

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

Note: Throughout this report, percentages may not total 100 since each percentage is rounded to the nearest whole number.



# May 2011 - Grade 8 MEA

## Science Results

School: Medway Middle School  
 SAU: Medway School Department  
 State: Maine  
 Code: 1105-1304

### Proficient with Distinction (Level 4)

The student's work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)

### Proficient (Level 3)

The student's work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)

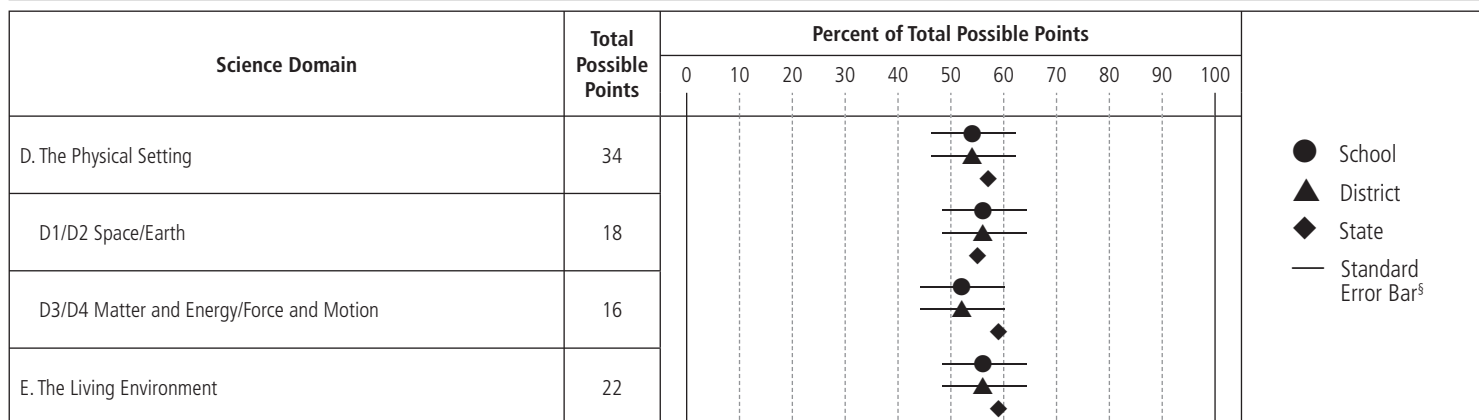
### Partially Proficient (Level 2)

The student's work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)

### Substantially Below Proficient (Level 1)

The student's work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)

	Enrolled	Not Tested Approved	Not Tested Other	Tested	Level 4		Level 3		Level 2		Level 1		Mean Scaled Score
	N	N	N	N	N	%	N	%	N	%	N	%	
<b>SCHOOL</b>													
2008-09	37	*	*	37	3	8	16	43	12	32	6	16	843
2009-10	48	0	0	48	3	6	26	54	14	29	5	10	844
<b>2010-11</b>	<b>39</b>	<b>0</b>	<b>1</b>	<b>38</b>	<b>7</b>	<b>18</b>	<b>19</b>	<b>50</b>	<b>6</b>	<b>16</b>	<b>6</b>	<b>16</b>	<b>846</b>
Cumulative Total**	124	**	**	123	13	11	61	50	32	26	17	14	844
<b>SAU</b>													
2008-09	14	*	*	14	1	7	5	36	8	57	0	0	843
2009-10	48	0	0	48	3	6	26	54	14	29	5	10	844
<b>2010-11</b>	<b>40</b>	<b>1</b>	<b>1</b>	<b>38</b>	<b>7</b>	<b>18</b>	<b>19</b>	<b>50</b>	<b>6</b>	<b>16</b>	<b>6</b>	<b>16</b>	<b>846</b>
Cumulative Total**	102	**	**	100	11	11	50	50	28	28	11	11	845
<b>STATE</b>													
2008-09	14,804	*	*	14,263	2,155	15	6,687	47	3,672	26	1,749	12	846
2009-10	14,443	247	165	14,031	2,443	17	7,635	54	2,791	20	1,162	8	849
<b>2010-11</b>	<b>14,258</b>	<b>244</b>	<b>183</b>	<b>13,831</b>	<b>2,771</b>	<b>20</b>	<b>7,024</b>	<b>51</b>	<b>2,780</b>	<b>20</b>	<b>1,256</b>	<b>9</b>	<b>849</b>
Cumulative Total**	43,505	**	**	42,125	7,369	17	21,346	51	9,243	22	4,167	10	848



The MEA 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>.

\* Data not previously calculated.

\*\* Percentages are calculated by dividing the cumulative total of students in the achievement level by the cumulative total of the number of students tested, when three years of data are available.

§The standard error bar indicates how much the percent of points earned could vary if the students were examined multiple times with the same test.



# May 2011 - Grade 8 MEA

## Disaggregated Science Results

**School:** Medway Middle School  
**SAU:** Medway School Department  
**State:** Maine  
**Code:** 1105-1304

REPORTING CATEGORIES	School												SAU						State						
	Enrolled	Not Tested Approved	Not Tested Other	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	%	N	%	Score	N	%	%	%	%	Score	N	%	%	%	%	Score
<b>All Students</b>	<b>39</b>	<b>0</b>	<b>1</b>	<b>38</b>	<b>7</b>	<b>18</b>	<b>19</b>	<b>50</b>	<b>6</b>	<b>16</b>	<b>6</b>	<b>16</b>	<b>846</b>	<b>38</b>	<b>18</b>	<b>50</b>	<b>16</b>	<b>16</b>	<b>846</b>	<b>13,831</b>	<b>20</b>	<b>51</b>	<b>20</b>	<b>9</b>	<b>849</b>
<b>Gender</b>																									
Male	21	0	0	21	4	19	12	57	3	14	2	10	847	21	19	57	14	10	847	7,183	23	50	18	9	850
Female	18	0	1	17	3	18	7	41	3	18	4	24	844	17	18	41	18	24	844	6,648	17	52	22	9	848
Not Reported	0	0	0	0										0						0					
<b>Race/Ethnicity</b>																									
Hispanic or Latino	0	0	0	0										0						131	14	47	29	10	846
Not Hispanic or Latino																									
American Indian or Alaskan Native	0	0	0	0										0						178	22	52	15	11	849
Asian	0	0	0	0										0						385	6	40	29	25	838
Black or African American	1	0	0	1										1						188	13	46	29	12	845
Native Hawaiian or Pacific Islander	0	0	0	0										0						12	42	25	33	0	856
White	38	0	1	37	6	16	19	51	6	16	6	16	846	37	16	51	16	16	846	12,844	21	51	20	9	849
Two or more races	0	0	0	0										0						93	17	45	31	6	847
<b>LEP Status</b>																									
Currently receiving LEP services	0	0	0	0										0						308	2	31	32	35	834
Former LEP student - monitoring year 1	0	0	0	0										0						17	12	76	12	0	853
Former LEP student - monitoring year 2	0	0	0	0										0						14	14	79	7	0	852
All Other Students	39	0	1	38	7	18	19	50	6	16	6	16	846	38	18	50	16	16	846	13,492	20	51	20	9	849
<b>IEP</b>																									
Students with an IEP	10	0	0	10	1	10	4	40	2	20	3	30	839	10	10	40	20	30	839	2,045	6	32	34	28	837
All Other Students	29	0	1	28	6	21	15	54	4	14	3	11	848	28	21	54	14	11	848	11,786	22	54	18	6	851
<b>SES</b>																									
Economically Disadvantaged Students	21	0	1	20	4	20	10	50	3	15	3	15	847	20	20	50	15	15	847	5,853	11	49	25	15	844
All Other Students	18	0	0	18	3	17	9	50	3	17	3	17	845	18	17	50	17	17	845	7,978	27	52	16	5	852
<b>Migrant</b>																									
Migrant Students	0	0	0	0										0						3					
All Other Students	39	0	1	38	7	18	19	50	6	16	6	16	846	38	18	50	16	16	846	13,828	20	51	20	9	849
<b>Title I</b>																									
Students Receiving Title I Services	11	0	0	11	0	0	6	55	2	18	3	27	839	11	0	55	18	27	839	1,119	7	44	33	16	841
All Other Students	28	0	1	27	7	26	13	48	4	15	3	11	849	27	26	48	15	11	849	12,712	21	51	19	8	849
<b>504 Plan</b>																									
Students with a 504 Plan	1	0	0	1	7	19	19	51	6	16	5	14	846	1	19	51	16	14	846	400	20	53	19	8	850
All Other Students	38	0	1	37	7	19	19	51	6	16	5	14	846	37	19	51	16	14	846	13,431	20	51	20	9	849

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

NOTE: Some numbers may have been left blank because fewer than ten (10) students were tested.