2014
Minnesota Assessment Results
Mathematics, Reading and Science
2014 Mathematics, Reading and Science Results

• What is being released?
  o 2014 Minnesota Assessment Results include student performance in mathematics, reading and science from three testing programs:
    ▪ MCA
    ▪ MCA-Modified
    ▪ MTAS
  o These tests measure how Minnesota students are doing on state academic standards in mathematics, reading and science.
  o The assessments are direct measures of student performance.
Test Overview

• Mathematics assessments in grades 3-8 and grade 11 test performance on 2007 Minnesota Academic Standards
  o MCA-III was first given to grade 3-8 students in 2011
  o MCA-III for grade 11 students is a new assessment given to students for the first time in 2014
    o The increased test rigor is consistent with higher expectations in new standards

• Reading assessments in grades 3-8 and 10 test performance on 2010 Minnesota Academic Standards
  o MCA-III was first given to students in 2013

• Science assessments in grades 5, 8, and HS test performance on 2009 Minnesota Academic Standards
  o MCA-III started in 2012 for science
2014 MCA Assessment Results Summary

Mathematics MCA-III: Grades 3-8
  o Performance of student groups continues to improve

Reading MCA-III: Grades 3-8 and 10
  o Performance of all student groups improved by at least one percent, except for English learners who held steady.

Science MCA-III: Grades 5, 8 and High School
  o Performance of student groups by Ethnicity continues to improve, Special Education holds steady and English learners drop slightly.

For further data analysis, please visit the MDE Data Center
Mathematics MCA-III Grades 3-8
Percent Meets and Exceeds

In 2012 students were given up to 3 opportunities to take the test online; highest score was score of record.

Scores include MCA-III tests 2011 to 2014. A new Mathematics test was introduced in grades 3 to 8 in 2011 and cannot be compared to previous years.
Scores include MCA-III tests from 2014. A new Mathematics test was introduced in grade 11 in 2014 and cannot be compared to previous years.
Reading MCA-III Grades 3-8 and 10
Percent Meets and Exceeds

Scores include MCA-III tests from 2013 and 2014. A new Reading test was introduced in 2013 and cannot be compared to previous years.
Science MCA-III Grades 5, 8 and High School
Percent Meets and Exceeds

2014 participation by science test for grades 5, 8 and HS

Scores include MCA-III tests from 2012 to 2014.
A new Science test was introduced in 2012 and cannot be compared to previous years.
2014 MCA-Modified and MTAS Assessments

Mathematics
• Grades 5-8 MCA-Modified and Grades 3-8 MTAS
• Grade 11 MCA-Modified and MTAS

Reading
• Grades 5-8 and 10 MCA-Modified and Grades 3-8 and 10 MTAS

Science
• Grades 5, 8 and high school MTAS

For additional data, please visit the MDE Data Center
Mathematics MCA-Modified-III Grades 5-8
Percent Meets and Exceeds

Scores include MCA-Modified-III tests from 2011 to 2014.
MCA-Modified was introduced in grades 5 to 8 in 2011.
Scores include MCA-III tests from 2014. A new Mathematics test was introduced in grade 11 in 2014 and cannot be compared to previous years.
Scores include MCA-Modified-III tests from 2013 and 2014. A new Reading test was introduced in 2013 and cannot be compared to previous years.
Mathematics MTAS-III Grades 3-8
Percent Meets and Exceeds

<table>
<thead>
<tr>
<th>Year</th>
<th>Gr 3</th>
<th>Gr 4</th>
<th>Gr 5</th>
<th>Gr 6</th>
<th>Gr 7</th>
<th>Gr 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>72%</td>
<td>74%</td>
<td>57%</td>
<td>62%</td>
<td>54%</td>
<td>65%</td>
</tr>
<tr>
<td>2012</td>
<td>75%</td>
<td>70%</td>
<td>62%</td>
<td>69%</td>
<td>56%</td>
<td>67%</td>
</tr>
<tr>
<td>2013</td>
<td>71%</td>
<td>74%</td>
<td>62%</td>
<td>72%</td>
<td>48%</td>
<td>67%</td>
</tr>
<tr>
<td>2014</td>
<td>77%</td>
<td>74%</td>
<td>60%</td>
<td>68%</td>
<td>56%</td>
<td>67%</td>
</tr>
</tbody>
</table>

Scores include MTAS-III tests from 2011 to 2014.
A new Mathematics test was introduced in grades 3 to 8 in 2011 and cannot be compared to previous years.
Mathematics MTAS-III Grade 11 Percent Meets and Exceeds

Scores include MTAS-III tests from 2014. A new Mathematics test was introduced in grade 11 in 2014 and cannot be compared to previous years.
Scores include MTAS-III tests from 2013 and 2014.
A new Reading test was introduced in 2013 and cannot be compared to previous years.
Science MTAS-III Grades 5,8 and HS Percent Meets and Exceeds

Scores include MTAS-III tests from 2012 to 2014.
A new Science test was introduced in 2012 and cannot be compared to previous years.
2014 Accountability Results

• What about MMR and AYP?
  o Information about how well individual schools are meeting Minnesota’s expectations will be released in early October.

  o The second phase of reporting will provide information about:
    ▪ MMR provides information about how well individual schools are performing
      – AYP results will be used to support the MMR
    ▪ Growth emphasis will tell us if students are on track in academic performance.
      – 2014 growth expectations are being finalized in the coming weeks.
Student Groups

Mathematics, Reading and Science
All Grades

MCA-III
Mathematics MCA-III Grades 3-8
Percent of Students Meets and Exceeds by Ethnicity

Scores include MCA-III tests from 2011 to 2014.
A new Mathematics test was introduced in grades 3 to 8 in 2011 and cannot be compared to previous years.
Scores include MCA-III tests from 2014. A new Mathematics test was introduced in grade 11 in 2014 and cannot be compared to previous years.
Reading MCA-III Grade 3-8 and 10
Percent of Students Meets and Exceeds by Ethnicity

Scores include MCA-III tests from 2013 and 2014.
A new Reading test was introduced in 2013 and cannot be compared to previous years.
## Science MCA-III Grades 5, 8 and HS

Percent of Students Meets and Exceeds By Ethnicity

<table>
<thead>
<tr>
<th>Year</th>
<th>American Indian</th>
<th>Asian/Pacific Islander</th>
<th>Hispanic</th>
<th>Black</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>25%</td>
<td>40%</td>
<td>25%</td>
<td>20%</td>
<td>58%</td>
</tr>
<tr>
<td>2013</td>
<td>27%</td>
<td>42%</td>
<td>27%</td>
<td>23%</td>
<td>60%</td>
</tr>
<tr>
<td>2014</td>
<td>28%</td>
<td>45%</td>
<td>28%</td>
<td>23%</td>
<td>61%</td>
</tr>
</tbody>
</table>

Scores include MCA-III tests from 2012 to 2014.
A new Science test was introduced in 2012 and cannot be compared to previous years.
Mathematics MCA-III Grade 3-8
Percent of Students Meets and Exceeds by Student Group

<table>
<thead>
<tr>
<th></th>
<th>Free and Reduced Price Lunch</th>
<th>English Language Learners</th>
<th>Special Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>39%</td>
<td>27%</td>
<td>29%</td>
</tr>
<tr>
<td>2012</td>
<td>47%</td>
<td>33%</td>
<td>37%</td>
</tr>
<tr>
<td>2013</td>
<td>44%</td>
<td>29%</td>
<td>34%</td>
</tr>
<tr>
<td>2014</td>
<td>44%</td>
<td>29%</td>
<td>34%</td>
</tr>
</tbody>
</table>

Scores include MCA-III tests from 2011 to 2014.
A new Mathematics test for grades 3-8 was introduced in 2011 and cannot be compared to previous years.
Mathematics MCA-III Grade 11
Percent of Students Meets and Exceeds by Student Group

Scores include MCA-III tests from 2014.
A new Mathematics test was introduced in grade 11 in 2014 and cannot be compared to previous years.
Reading MCA-III Grades 3-8 and 10
Percent of Students Meets and Exceeds by Student Group

Scores include MCA-III tests from 2013 and 2014.
A new Reading test was introduced in 2013 and cannot be compared to previous years.

<table>
<thead>
<tr>
<th></th>
<th>Free and Reduced Price Lunch</th>
<th>English Language Learners</th>
<th>Special Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>38%</td>
<td>16%</td>
<td>27%</td>
</tr>
<tr>
<td>2014</td>
<td>40%</td>
<td>16%</td>
<td>28%</td>
</tr>
</tbody>
</table>
Science MCA-III Grades 5, 8 and HS
Percent of Students Meets and Exceeds by Student Group

Scores include MCA-III tests from 2012 to 2014.
A new Science test was introduced in 2012 and cannot be compared to previous years.