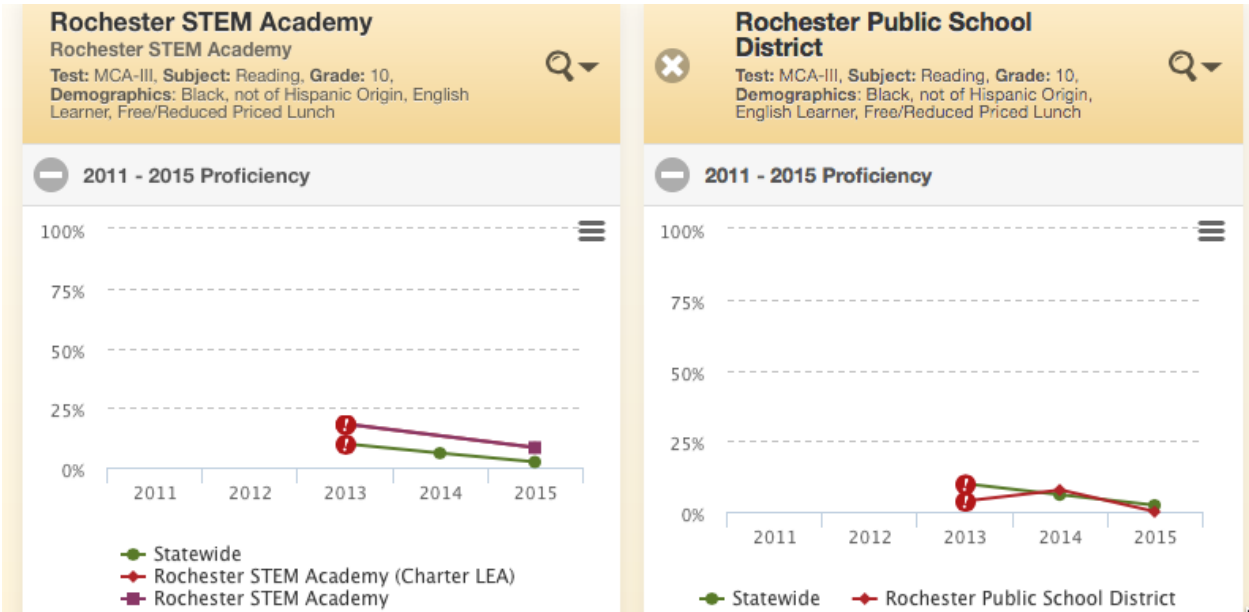


# Results: 2014-2015 State Testing

## MCA Results – Reading Grade 10



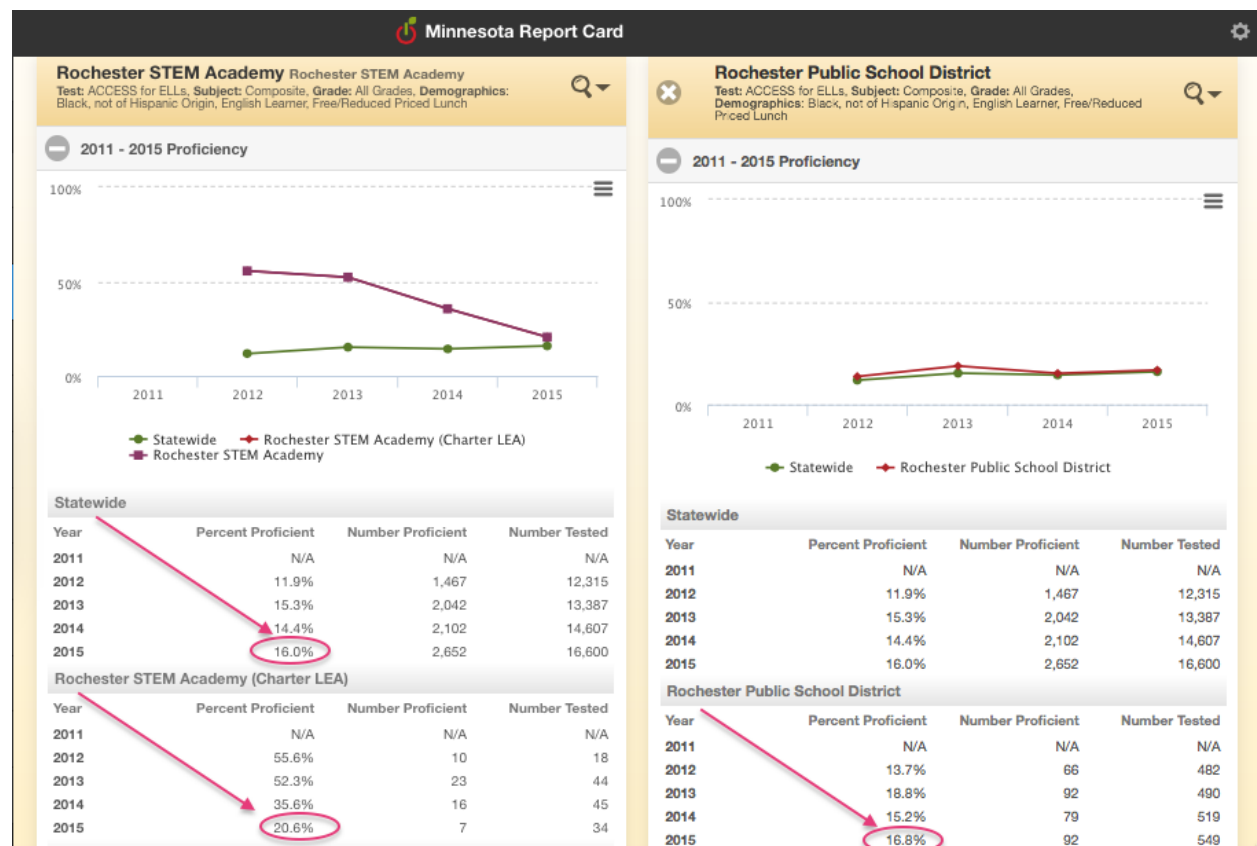
Minnesota Report Card				
Statewide				
Year	Percent Proficient	Number Proficient	Number Tested	
2011	N/A	N/A	N/A	
2012	N/A	N/A	N/A	
2013	9.9%	67	679	
2014	6.0%	40	664	
2015	2.3%	18	779	
Rochester STEM Academy (Charter LEA)				
Year	Percent Proficient	Number Proficient	Number Tested	
2011	N/A	N/A	N/A	
2012	N/A	N/A	N/A	
2013	18.2%	4	22	
2014	CTSTR	CTSTR	CTSTR	
2015	8.3%	1	12	
Rochester Public School District				
Year	Percent Proficient	Number Proficient	Number Tested	
2011	N/A	N/A	N/A	
2012	N/A	N/A	N/A	
2013	3.8%	1	26	
2014	7.7%	2	26	
2015	0.0%	0	32	

During our fourth year of assessing students, the Minnesota Comprehensive Assessments reveal that in 2015, RSA 10<sup>th</sup> Grade Reading scores showed 8.3% of our students were proficient compared to 2.3% of students across the state and 0% of Rochester Public School students in the similar group (Black, not Hispanic, EL, and Free and Reduced Lunch).

In 11<sup>th</sup> Grade Math the state could not compile accurate information because the test group was under 20 students. In High School Science, using the same demographics, 2.4% of high school students tested proficient while Rochester STEM Academy and Rochester Public schools both scored 0% of students proficient. However, the state requires the science test to be given the year students are taking biology which in our case means the 9<sup>th</sup> grade. As a STEM school, we require four years of science so the state science MCA is testing students with only one year of science instruction when in fact, our high school students receive four years of science instruction.

Looking deeper and making comparisons to students that more closely resemble the demographics at Rochester STEM Academy, we start to see the impact we are having. Rochester STEM Academy only just completed the fourth year. Within four years, our students are scoring higher than comparable state high school English learners overall, though Minnesota, including Rochester STEM Academy faces many challenges to ensure that high school English learners who are not proficient in English pass the new, more difficult, English language proficiency tests. By definition, an English learner is not proficient so we are expecting students who are not proficient to score proficient on the new more difficult state Reading test.

## ACCESS for ELL Students



In our demographic, 20.6% of our students score proficient as compared to 16.0% proficient statewide and 16.8% proficient for Rochester Public Schools.

In the spring of 2015, Rochester STEM Academy graduated 17 students. All 17 students have enrolled in college or post secondary institution of higher learning and two of these graduates were enrolled in PSEO full-time during his senior year. We continue to follow up with these graduates to monitor college success and offer support if needed.

In the beginning of FY2015, we had enrollment of 85 students with 7 of these students enrolled in PSEO at Rochester Community and Technical College with as many as 17 additional students completing application and preparing for the ACT and Accuplacer tests.

**NWEA**  
**NWEA Testing Growth-Math**

**Student Growth Summary Report**

**Aggregate by School**

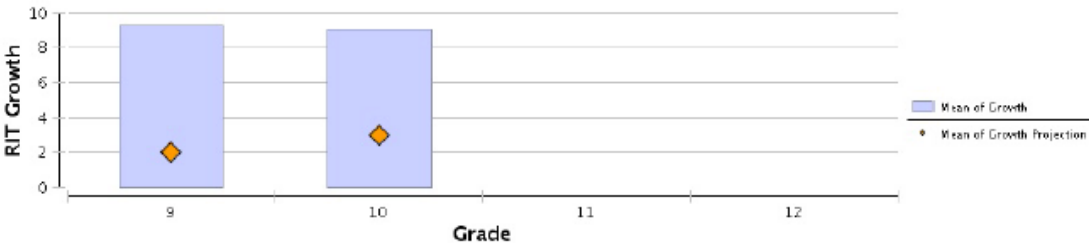
Term: Spring 2014-2015  
District: Rochester STEM Academy

Norms Reference Data: 2011 Student  
Growth Comparison Period: Fall 2014 - Spring 2015  
Weeks of Instruction: Start - 4 (Fall 2014)  
End - 28 (Spring 2015)

Grouping: None  
Small Group Display: Yes

ROCHESTER STEM ACADEMY																
Mathematics																
Grade (Spring 2015)	Achievement Status				Growth				Comparative							
	Fall 2014		Spring 2015		Grade Level			Count Met		Percent Met		School	School			
	Count	Mean RIT	SD	Percentile	Count	Mean RIT	SD	Percentile	Growth Count	Observed Growth	Observed Growth SE	Projected Growth	Count Met Projected Growth	Percent Met Projected Growth	Conditional Growth Index	Conditional Growth Percentile
9	23	219.0	28.4	**	25	220.6	27.4	**	19	9.3	3.6	2.0	13	68	**	**
10	18	216.9	18.1	**	17	223.7	19.5	**	16	9.1	2.5	3.0	12	75	**	**
11	17	217.6	24.7	**	10	233.8	17.2	**	0							
12	20	203.3	22.6	**	16	232.9	25.8	**	0							

Mathematics



**NWEA Testing Growth-Math**

- The 9<sup>th</sup> grade had a mean of 219.0 in the fall, and 220.6 in the spring. The 9<sup>th</sup> grade NWEA mean grew 1.6 points during the 14-15 school year. The 9<sup>th</sup> grade national mean score for the end of the school year is 236. 68% of 9<sup>th</sup> graders met projected growth for the end of 9<sup>th</sup> grade.

- The 10<sup>th</sup> grade fall mean was 216.9, and the spring mean was 223.7. The 10<sup>th</sup> grade NWEA mean had growth of 5.8 points during the 14-15 school year. The 10<sup>th</sup> grade national mean score for the end of the school year is 236.6. and 75% of 10<sup>th</sup> graders met projected growth for the end of 10<sup>th</sup> grade.
- The 11<sup>th</sup> grade fall mean was 217.6 and the spring mean was 232.8. The 11<sup>th</sup> grader NWEA mean grew 15.2 points during the 14-15 school year. The 11<sup>th</sup> grade national mean score for the end of the school year is 238.

## NWEA Testing Growth-Reading

**Student Growth Summary Report**

Aggregate by School

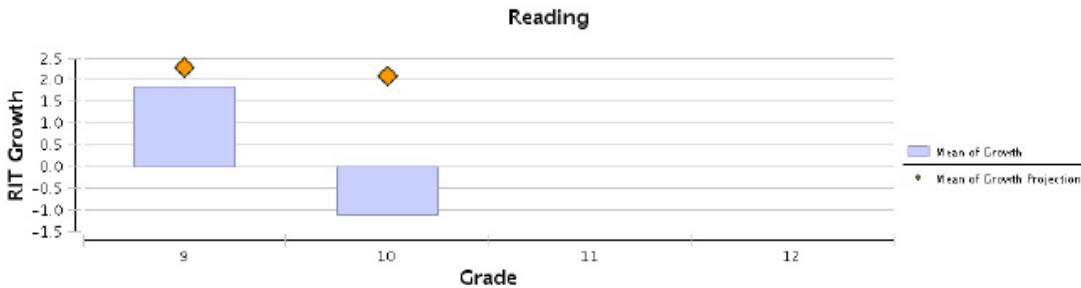
Term: Spring 2014-2015  
District: Rochester STEM Academy

Norms Reference Date: 2011 Student  
Growth Comparison Period: Fall 2014 - Spring 2015  
Weeks of Instruction: Start - 4 (Fall 2014)  
End - 28 (Spring 2015)

Grouping: None  
Small Group Display: Yes


### ROCHESTER STEM ACADEMY

Grade (Spring 2015)	Achievement Status								Growth						Comparative	
	Fall 2014				Spring 2015				Grade Level				Count Met Projected Growth	Percent Met Projected Growth	School Conditional Growth Index	School Conditional Growth Percentile
	Count	Mean RIT	SD	Percentile	Count	Mean RIT	SD	Percentile	Growth Count	Observed Growth	Observed Growth SE	Projected Growth				
9	23	205.6	27.9	**	24	203.0	28.7	**	18	1.8	2.7	2.3	10	56	**	**
10	18	212.2	17.4	**	11	210.4	17.6	**	10	-1.1	2.9	2.1	3	30	**	**
11	16	220.9	16.3	**	8	211.8	20.3	**	0							
12	20	195.8	22.4	**	5	217.8	18.7	**	0							



- The 9<sup>th</sup> grade fall reading mean score was 205.6, and the spring mean score was 203.0 for a drop of 2.6 points. The end of 9<sup>th</sup> grade national mean score is 222.9. However, 56% of the 9<sup>th</sup> graders met projected growth.
- The 10<sup>th</sup> grade fall reading mean score was 212.2, and the spring mean score was 210.4. The total mean growth was -1.1. The end of 10<sup>th</sup> grade national mean score is 223.8 and 30% of the 10<sup>th</sup> graders met or exceeded their projected growth.
- The 11<sup>th</sup> grade fall reading mean score was 220.9, and the spring mean score was 211.8 in the spring.

# NWEA Testing Growth-Science



**Student Growth Summary Report**

**Aggregate by School**

**Term:** Spring 2014-2015  
**District:** Rochester STEM Academy

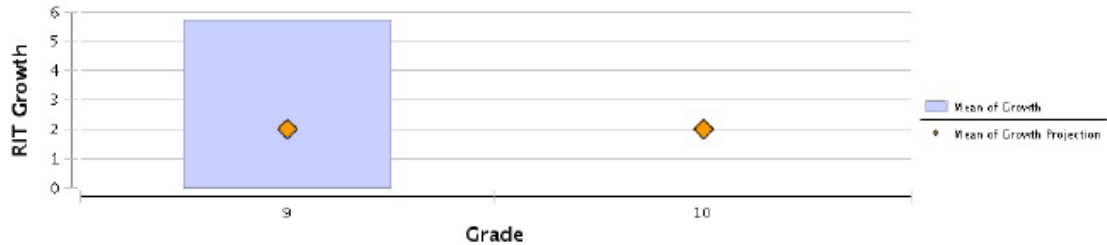
**Norms Reference Data:** 2011 Student  
**Growth Comparison Period:** Fall 2014 - Spring 2015  
**Weeks of Instruction:** Start - 4 (Fall 2014)  
End - 28 (Spring 2015)  
**Grouping:** None  
**Small Group Display:** Yes

**ROCHESTER STEM ACADEMY**

Science - General Science

Grade (Spring 2015)	Achievement Status				Growth				Comparative							
	Fall 2014		Spring 2015		Grade Level		Grade Level		School	School						
	Count	Mean RIT	SD	Percentile	Count	Mean RIT	SD	Percentile	Growth Count	Observed Growth	Observed Growth SE	Projected Growth	Count Met Projected Growth	Percent Met Projected Growth	Conditional Growth Index	Conditional Growth Percentile
9	23	199.0	20.1	**	13	190.6	19.3	**	7	5.7	3.4	2.0	5	71	**	**
10	17	199.3	17.0	**	1	225.0		**	1	0.0	0.0	2.0	0	0	**	**

Science - General Science



- The 9<sup>th</sup> grade fall science mean score was 199.0 and the spring mean score was 190.6 for a mean decrease of 8.4 points. The end of 9<sup>th</sup> national mean score is 214.3. However, 71% of them met their projected growth goals.
- The 10<sup>th</sup> grade fall mean score was 199.3 and the spring mean was 225.0 for a growth of 25.7 points. The end of 10<sup>th</sup> grade national mean score is 216.2.



## ACCESS for ELL Test Results

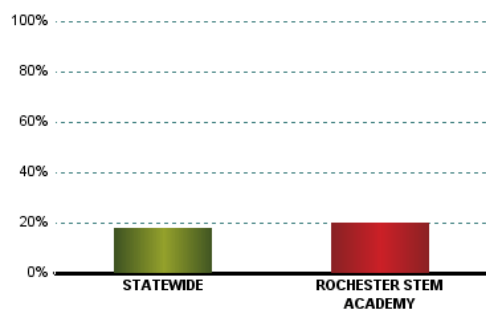
Data from Minnesota Department of Education website.<sup>1</sup>

Data controlled for Black, not of Hispanic origin; English language learner; free and reduced priced lunch recipients.

### 2015 Composite ACCESS for ELLs Proficiency

#### Summary Proficiency

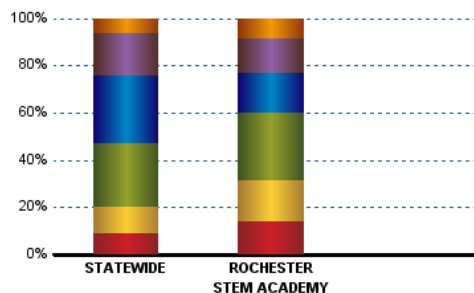
2015 Composite ACCESS for ELLs Grade All Grades



Organization	Percent Proficient	Number Tested
STATEWIDE	17.9%	69,340
ROCHESTER STEM ACADEMY	20.0%	35

#### Student Achievement Level

2015 Composite ACCESS for ELLs Grade All Grades



Measure	LEVEL 6	LEVEL 5	LEVEL 4	LEVEL 3	LEVEL 2	LEVEL 1
<b>STATEWIDE</b>						
Count	4,321	12,501	19,652	18,821	7,792	6,253
Percent	6.2%	18.0%	28.3%	27.1%	11.2%	9.0%
<b>ROCHESTER STEM ACADEMY</b>						
Count	3	5	6	10	6	5
Percent	8.6%	14.3%	17.1%	28.6%	17.1%	14.3%

## Attendance Rates for the 2014-2015 School Year

- The 9<sup>th</sup> grade had a 99.37% attendance rate.
- The 10<sup>th</sup> grade had a 99.80% attendance rate.
- The 11<sup>th</sup> grade had a 99.92% attendance rate.
- The 12<sup>th</sup> grade had a 98.97% attendance rate.
- School wide we had a 99% attendance rate in 2014-2015

## Extra Educational Opportunities 2014-2015 School Year

On-Going	Engineering Classes for 11 <sup>th</sup> Graders
On-Going	Student Council for all grades
On-Going	After School Academic Assistance for all students and all content areas
October	Monthly Parent Meetings on the first Wednesday of each month.
October 10, 2014	College Visit - NDSU
October 20, 2014	Food Shelf Volunteers
November 12, 2014	Parent, Teacher, Student Conferences

<sup>1</sup> (Data Reports and Analytics)