



**TRUE NORTH ROCHESTER
PREPARATORY CHARTER SCHOOL
– WEST CAMPUS**

**2013-14 ACCOUNTABILITY PLAN
PROGRESS REPORT**

Submitted to the SUNY Charter Schools Institute on:

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Jonathan Myler and Kaitlin Driscoll, Directors of Operations prepared this 2013-14 Accountability Progress Report on behalf of the school's board of trustees:

Trustee's Name	Board Position
Geoffrey Rosenberger	Chair
James Gleason	Trustee
Jean Howard	Trustee
Jim Ryan	Trustee
Ronald Zarella	Trustee
Rebecca Sumner	Trustee
Kevin Walker	Trustee
Joshua Phillips	Trustee

Kelli Ragin has served as the Principal of the Rochester Prep West Campus Middle School since the school opened in 2011-2012.

Emily Volpe has served as the Principal of the Rochester Prep West Campus Elementary School since the school opened in 2013-2014.

INTRODUCTION

The mission of True North Rochester Preparatory Charter School – West Campus ("Rochester Prep") is to prepare all students to enter and succeed in college through effort, achievement and the content of their character. All Rochester Prep students will demonstrate excellence in reading, writing, math, science, and history, while consistently exemplifying the virtues of diligence, integrity, responsibility, compassion, perseverance and respect.

Rochester Prep ensures that students develop the skills, knowledge, and character necessary to grant them full access to opportunity and prosperity, including enrollment and success in college. The school features a rigorous academic program that guides students to meet the highest standards and at the same time develops young men and women of character and integrity.

School Enrollment by Grade Level and School Year

School Year	K	1	2	3	4	5	6	7	8	9	10	11	12	Total
2010-11														
2011-12						85								85
2012-13						87	85							172
2013-14	120					89	91	75						375

ENGLISH LANGUAGE ARTS

Goal 1: English Language Arts

Students will achieve mastery of English Language Arts skills in Reading and Writing.

Background

Rochester Prep's ELA program emphasizes both strong reading and strong writing. In reading, the program emphasizes four key aspects of literacy: decoding, fluency, vocabulary and comprehension.

In the elementary school (K only in 2013-2014) there are 3 literacy blocks of 45 minutes each day and students are broken up into groups based on STEP (Strategic Teaching and Evaluation of Progress) levels. In the literacy blocks, students focus on reading mastery, guided reading, and reading comprehension. Students spend 45 minutes writing daily, in addition to the 3 literacy blocks.

In the middle school grades (5-8), in addition to an hour and fifteen minutes per day of reading instruction we offer book club for 25 minutes every day. During book club, students constantly practice decoding and fluency. Students who struggle are augmented with remedial reading groups based on Wilson Reading and other intervention strategies. Our reading teachers have made a particularly intentional investment in building vocabulary as a key to literacy- they teach a single vocabulary word each day, using a protocol that draws on the work of Isabel Beck and others to ensure deep meaning of words. Students also receive an hour of writing instruction every day. The writing program at Rochester Prep is also integrated into the other subject areas, including Math, Science, and History. The writing classes emphasize both composition and mechanics.

Goal 1: Absolute Measure

Each year, 75 percent of all tested students enrolled in at least their second year will perform at proficiency on the New York State English language arts examination for grades 3-8.¹

Method

The school administered the New York State Testing Program English language arts assessment to students in 5th through 7th grade in April 2014. Each student's raw score has been converted to a grade-specific scaled score and a performance level.

The table below summarizes participation information for this year's test administration. The table indicates total enrollment and total number of students tested. It also provides a detailed breakdown of those students excluded from the exam. Note that this table includes all students according to grade level, even if they have not enrolled in at least their second year.

¹ Because of the state's new 3-8 testing program, aligned to its high school college and career readiness standards, the Institute is no longer using Time Adjusted Level 3 cut scores. Please report results for previous years using the state's published results for scoring at proficiency.

2013-14 State English Language Arts Exam
Number of Students Tested and Not Tested

Grade	Total Tested	Not Tested ²			Total Enrolled
		IEP	ELL	Absent	
3					
4					
5	89			0	89
6	91			0	91
7	75			0	75
8	N/A				
All	255			0	255

Results

This was the third year of operation for Rochester Prep - West Campus. Two students were retained in 5th grade and were second year students. 79 of our 91 6th grade students were second year students and 70 of our 75 7th grade students were second or third year students. 0 of our 2 retained 5th grade students scored above the Level 3 cut score. 10 of our 79 6th grade students scored above the Level 3 cut score (13%). 10 of our 70 7th grade students scored about the Level 3 cut score (19%).

Performance on 2013-14 State English Language Arts Exam
By All Students and Students Enrolled in At Least Their Second Year

Grades	All Students		Enrolled in at least their Second Year	
	Percent	Number Tested	Percent	Number Tested
3				
4				
5	15%	89	0%	2
6	12%	91	13%	79
7	17%	75	19%	70
8				
All	14.5%	255	13%	151

Evaluation

Rochester Prep fell short of meeting the first Absolute measure of its accountability plan. The school had 14.5% of students scoring proficient or advanced, or 60.5 percentage points below the stated goal. Each individual grade fell below the 75% measure.

² Students exempted from this exam according to their Individualized Education Program (IEP), because of English Language Learners (ELL) status, or absence for at least some part of the exam.

Before and during the 2013-14 school year, Rochester Prep made specific efforts to address ELA instruction and to increase the rigor of the material to better align with the Common Core Learning standards. Rochester Prep also made changes to its interval assessment program to improve upon student and teacher development and to use data to drive instruction better aligned with the Common Core Learning standards. Rochester Prep's instructional leaders feel that these changes improved upon an already strong program and led to increased student learning in ELA. In 2012-13, test scores decreased dramatically for every school in the state. In 2013-2014 Rochester Prep improved upon the ELA scores with its 7th grade students who went from 13% proficient in 12-13 to 17% proficient in 13-14. Because of the improvements made in Rochester Prep's curriculum and assessment program, Rochester Prep does not feel that the decline in scores after 11-12 reflects a deficiency in the Rochester Prep program. Rather, the decrease is reflective of a significant change in the New York State Test and the more rigorous Common Core learning standards.

While we believe that the Rochester Prep ELA program improved in 2013-14, school leaders acknowledge that there is much work to be done in the area of ELA performance. As described at the end of this section, Rochester Prep will undertake important changes in the 2014-15 school year, which school leaders expect to lead to increased ELA performance. In addition, Rochester Prep will continue its already effective ELA program, and will continue to hone those aspects of the program where there is room for growth. Rochester Prep has continued to focus on making writing more rigorous and demanding across curriculum in all content areas which will be a driver of future growth and a predictor of college success.

Additional Evidence

This was the third year of operation for the school and thus is only the second applicable year for this goal. Though there is still significant room for improvement to reach the 75% proficient mark, our second year 6th grade students did outperform the local district average by 10% and our second and third year 7th grade students outpaced the district average by more than 10%.

English Language Arts Performance by Grade Level and School Year

Grade	Percent of Students Enrolled in At Least Their Second Year Achieving Proficiency					
	2011-12		2012-13		2013-14	
	Percent	Number Tested	Percent	Number Tested	Percent	Number Tested
3						
4						
5	N/A	N/A	0%	3	0%	2
6			15%	68	13%	79
7					19%	70
8						
All	N/A	N/A	14%	71	13%	151

Goal 1: Absolute Measure

Each year, the school's aggregate Performance Level Index (PLI) on the State English language arts exam will meet the Annual Measurable Objective (AMO) set forth in the state's NCLB accountability system.

Method

The federal No Child Left Behind law holds schools accountable for making annual yearly progress towards enabling all students to be proficient. As a result, the state sets an AMO each year to determine if schools are making satisfactory progress toward the goal of proficiency in the state's learning standards in English language arts. To achieve this measure, all tested students must have a Performance Level Index (PLI) value that equals or exceeds the 2013-14 English language arts AMO of 89. The PLI is calculated by adding the sum of the percent of all tested students at Levels 2 through 4 with the sum of the percent of all tested students at Levels 3 and 4. Thus, the highest possible PLI is 200.³

Results

A table displaying the calculation of Rochester Prep's Performance Level Index for the 2013-14 school year appears below.

English Language Arts 2013-14 Performance Level Index (PLI)

Number in Cohort	Percent of Students at Each Performance Level			
	Level 1	Level 2	Level 3	Level 4
255	48.2%	37.3%	11.8%	2.75%

$$\begin{array}{rcl} \text{PI} & = & 37.3 \\ & + & 11.8 \\ & & 11.8 \\ & + & 2.75 \\ & & 2.75 \\ & = & \underline{51.85} \\ & = & 14.55 \\ & = & \underline{\underline{66.4}} \\ & = & \text{PLI} \end{array}$$

Evaluation

Rochester Prep did not achieve its Annual Measurable Objective in ELA in 13-14. With a Performance Level Index score of 66.4 Rochester Prep West was 22.6 points away from meeting the goal AMO of 89.

Goal 1: Comparative Measure

Each year, the percent of all tested students who are enrolled in at least their second year and performing at proficiency on the state English language arts exam will be greater than that of all students in the same tested grades in the local school district.

Method

A school compares tested students enrolled in at least their second year to all tested students in the surrounding public school district. Comparisons are between the results for each grade in which

³ In contrast to SED's Performance Index, the PLI does not account for year-to-year growth toward proficiency.

the school had tested students in at least their second year at the school and the total result for all students at the corresponding grades in the school district.⁴

Results

Our 2nd year 6th grade students had 13% proficiency while our second or third year 7th grade students had 19% proficiency. None of our two second year 5th grade students achieved proficiency compared to 4.6% in district.

2013-14 State English Language Arts Exam Charter School and District Performance by Grade Level

Grade	Percent of Students at Proficiency			
	Charter School Students In At Least 2 nd Year		All District Students	
	Percent	Number Tested	Percent	Number Tested
3				
4				
5	0%	2	6%	2103
6	13%	79	4%	2057
7	19%	70	4%	1900
8				
All	13%	151	4%	6,060

Evaluation

Rochester Prep West Campus exceeded the measure of comparative district proficiency in ELA during the 2013-2014 school year for our 6th and 7th grade students. Rochester Prep West Campus 6th and 7th grade students in at least their second year outscored the Rochester City School District by 9 percentage points in 6th Grade and 15 percentage points in 7th Grade. Our two second year 5th grade students did not achieve proficiency compared to 6% proficiency for 2103 students in the district. While we are disappointed in the performance of our 2 students who were retained and repeated 5th grade, however we do not believe this number is statistically significant.

Additional Evidence

This is our second year in which we have second and now third year students to compare to the district. In 2011-2012, 35% of our students in their first year scored at or above proficiency compared to 22% of students in the Rochester City School District. In 2012-2013, 15% of our students performed at or above proficiency compared to around 5% of district students. In 2013-2014, 13% of Rochester Prep students performed at a proficient level, compared to 4% proficient level of performance by students within the district.

⁴ Schools can acquire these data when the New York State Education Department releases its Access database containing grade level ELA and math test results for all schools and districts statewide. The NYSED announces the release of the data on its [News Release webpage](#).

English Language Arts Performance of Charter School and Local District by Grade Level and School Year

Grade	Percent of Students Enrolled in at Least their Second Year Who Are at Proficiency Compared to Local District Students					
	2011-12		2012-13		2013-14	
	Charter School	Local District	Charter School	Local District	Charter School	Local District
3						
4						
5	NA	22%	0% (3 students)	4.6%	0% (2 students)	6%
6			14.7%	5.5%	13%	4%
7					19%	4%
8						
All						

Goal 1: Comparative Measure

Each year, the school will exceed its predicted level of performance on the state English language arts exam by an Effect Size of 0.3 or above (performing higher than expected to a small degree) according to a regression analysis controlling for students eligible for economically disadvantaged students among all public schools in New York State.⁵

Method

The Charter Schools Institute conducts a Comparative Performance Analysis, which compares the school's performance to demographically similar public schools state-wide. The Institute uses a regression analysis to control for the percentage of economically disadvantaged students among all public schools in New York State. The Institute compares the school's actual performance to the predicted performance of public schools with a similar economically disadvantaged percentage. The difference between the schools' actual and predicted performance, relative to other schools with similar economically disadvantaged statistics, produces an Effect Size. An Effect Size of 0.3 or performing higher than expected to a small degree is the requirement for achieving this measure.

Given the timing of the state's release of economically disadvantaged data and the demands of the data analysis, the 2013-14 analysis is not yet available. This report contains 2012-13 results (using free-lunch eligible percentage), the most recent Comparative Performance Analysis available.

Results

In the 2012-13 school year, the Comparative Performance Analysis showed that Rochester Prep performed "Lower than Expected." Rochester Prep's overall effect size was -.31, lower than expected performance and below the desired effect size of 0.3.

⁵ The Institute will continue using **economically disadvantaged** instead of **eligibility for free lunch** as the demographic variable in 2013-14. Schools should report previous year's results using reported free-lunch statistics.

2012-13 English Language Arts Comparative Performance by Grade Level

Grade	Percent of Economically Disadvantaged Students	Number of Students Tested	Percent of Students at Proficiency		Difference between Actual and Predicted	Effect Size
			Actual	Predicted		
3						
4						
5	85.7	88	13.7	19.1	- 5.4	-0.44
6	85.4	85	12.9	14.7	- 1.8	-0.18
7						
8						
All	85.6	173	13.3	17.0	- 3.6	-0.31

School's Overall Comparative Performance:
Lower than expected

Evaluation

While it was Rochester Prep - West Campus' third year in operation last year, our school was and is not content with the effect size achieved in ELA. Steps are outlined in the Action Plan moving forward to improve our performance in ELA.

Additional Evidence

Rochester Prep leaders recognize that the school is making small improvements in effect size each year. Rochester Prep is committed to make the necessary improvements to achieve the desired effect size and impact with the students we serve. In the action plan we will outline the plan in place to make those improved results. In comparing 2012-2013 to 2011-2012 Rochester Prep achieved a higher effect size in comparison to the prior year, the school's first year.

English Language Arts Comparative Performance by School Year

School Year	Grades	Percent Eligible for Free Lunch	Number Tested	Actual	Predicted	Effect Size
2010-11						
2011-12	5	74.2%	85	35.3	44.1	-0.54
2012-13	5,6	85.6	173	13.3	17.0	-0.31

Goal 1: Growth Measure⁶

Each year, under the state's Growth Model, the school's mean unadjusted growth percentile in English language arts for all tested students in grades 4-8 will be above the state's unadjusted median growth percentile.

Method

This measure examines the change in performance of the same group of students from one year to the next and the progress they are making in comparison to other students with the same score in the previous year. The analysis only includes students who took the state exam in 2013-14 and also have a state exam score from 2012-13 including students who were retained in the same grade. Students with the same 2012-13 score are ranked by their 2013-14 score and assigned a percentile based on their relative growth in performance (student growth percentile). Students' growth percentiles are aggregated school-wide to yield a school's mean growth percentile. In order for a school to perform above the statewide median, it must have a mean growth percentile greater than 50.

Results

In 2013-2014 Rochester Prep achieved results that were higher than the Statewide Median in all three grades. Rochester Prep also achieved higher than Median results for the whole school as well as the individual grade levels.

2013-14 English Language Arts Mean Growth Percentile by Grade Level

Grade	Mean Growth Percentile	
	School	Statewide Median
3		50.0
4		50.0
5	59	50.0
6	52	50.0
7	61.5	50.0
8		50.0
All	57.5	50.0

Evaluation

Rochester Prep met the Mean Growth Percentile measure. As a school Rochester Prep bettered the statewide margin by 7.5 percentile points. In each individual grade, Rochester Prep achieved higher results than the statewide median as well.

⁶ See Guidelines for Creating a SUNY Accountability Plan for an explanation.

English Language Arts Mean Growth Percentile by Grade Level and School Year

Grade	Mean Growth Percentile			
	2011-12 ⁷	2012-13 ⁷	2013-14	Statewide Average
3				50.0
4				50.0
5			59	50.0
6			52	50.0
7			61.5	50.0
8				50.0
All			57.5	50.0

Summary of the English Language Arts Goal

Rochester Prep fell short of the absolute measure that 75 percent of all tested students enrolled in at least their second year would perform at or above the time adjusted level 3 cut score on the NYS ELA exam. Rochester Prep achieved one of the two comparative goals with the Rochester City School District. Again, while we are not satisfied with the results of our repeating 5th grade students, we do not believe the results for them to be statistically significant. The comparison district outperformed our second year 5th graders (3 students) by 4.7 percentage points. Our sixth grade returning students received 13% proficiency and did outperform the district by 9.2 points. Our seventh grade returning students received 19% proficiency and outperformed the district by x points.

Type	Measure	Outcome
Absolute	Each year, 75 percent of all tested students who are enrolled in at least their second year will perform at proficiency on the New York State English language arts exam for grades 3-8.	Did Not Achieve
Absolute	Each year, the school's aggregate Performance Level Index (PLI) on the state English language arts exam will meet that year's Annual Measurable Objective (AMO) set forth in the state's NCLB accountability system.	Did Not Achieve
Comparative	Each year, the percent of all tested students who are enrolled in at least their second year and performing at proficiency on the state English language arts exam will be greater than that of students in the same tested grades in the local school district.	Achieved in 6 th and 7 th grade, did not achieve in 5 th grade.
Comparative	Each year, the school will exceed its predicted level of performance on the state English language arts exam by an Effect Size of 0.3 or above (performing higher than expected to a small degree) according to a regression analysis controlling for economically disadvantaged students among all public schools in New York State. (Using 2012-13 school district results.)	Did Not Achieve in 12-13
Growth	Each year, under the state's Growth Model the school's mean unadjusted growth percentile in English language arts for all tested students in grades 4-8 will be above the state's unadjusted median growth percentile.	Achieved

⁷ Grade level results not available.

Action Plan

Rochester Prep is taking several actions to improve ELA performance for its students. These actions steps relate to the Common Core, Remediation, Observation & Feedback, and Professional Development.

Common Core

First, beginning in the 2014-15 school year, Rochester Prep will no longer separate Reading and Writing classes. Instead, students will have a 2 hour English class. This aligns more accurately to the Common Core Learning Standards, whereby students' written work must be based on a text they have read. Rochester Prep will continue to partner with the other Uncommon Schools located in New York State to procure externally-developed, Common Core-aligned interval assessments. Rochester Prep expects that these changes will positively affect students' performance on the New York State exam.

Remediation

Second, in grades 5, 6, 7, and 8, we have built a tutoring block into the students' schedule. Daily, teachers will pull out a small group of their students for tutoring, using data from the previous year's NYS ELA exam, internal interim assessments, and daily classroom assessments (called "Exit Tickets").

Observation & Feedback

English teachers will receive increased feedback around their action plans and student performance throughout the year. The leadership team at Rochester Prep has intentionally planned out observations and feedback sessions so that master teachers can effectively and consistently give more feedback on new teachers' teaching methods and strategies.

Professional Development

Rochester Prep will continue to strategically plan out its professional development time. This time consists of 4 weeks of dedicated time in school working with returning and incoming teachers to develop their classroom skills before students return to school. Professional development continues on a weekly basis throughout the school year with two hour sessions held every Wednesday. These sessions are led by the school's principal and leadership team and reinforce concepts developed over the summer, while also introducing new teacher skills throughout the weeks.

MATHEMATICS

Goal 2: Mathematics

Students will achieve mastery of skills in Mathematics.

Background

Rochester Prep – West Campus’ Mathematics program emphasizes both strong computational procedures and problem solving skills. The math program at Rochester Prep takes arithmetic concepts and breaks them down to concrete, step-by-step approaches toward solving problems. At Rochester Prep, math instruction incorporates a rigorous balance between mechanics and problem solving.

In the elementary school, there is one 65-minute block of math a day that focuses on number sense, number systems, and problem-solving. During this block, students chant, act out, and model math with activities and math manipulatives.

In the middle school, in addition to an hour and fifteen minutes per day of math procedural instruction we offer another hour for the development of practical math problem solving skills. Students who struggle with mathematical concepts augment the daily two hours and fifteen minutes of classroom instruction with remedial tutoring groups based on interim assessment data. Our math teachers have made a particularly intentional investment in building a systematic approach toward understanding.

Goal 2: Absolute Measure

Each year, 75 percent of all tested students enrolled in at least their second year will perform at proficiency on the New York State mathematics examination for grades 3-8.

Method

The school administered the New York State Testing Program mathematics assessment to students in 5th through 7th grade in April 2014. Each student’s raw score has been converted to a grade-specific scaled score and a performance level.

The table below summarizes participation information for this year’s test administration. The table indicates total enrollment and total number of students tested. It also provides a detailed breakdown of those students excluded from the exam. Note that this table includes all students according to grade level, even if they have not enrolled in at least their second year.

2013-14 State Mathematics Exam
Number of Students Tested and Not Tested

Grade	Total Tested	Not Tested ⁸			Total Enrolled
		IEP	ELL	Absent	
4					
5	87			1	88
6	92				92
7	75				75
8					
All	254				254

Results

Two hundred fifty four enrolled students at Rochester Prep - West Campus took the New York State Math assessment as scheduled in April of 2014.

The large majority of the 5th grade classes at Rochester Prep were only in its first year at the school, however, two students were retained in the 5th grade from the previous year. Neither of these two students achieved a proficient level score on the test.

Thirty-three percent (32.9%) of all Rochester Prep 6th grade students in at least their second year at the school scored at proficient levels on the 2013-14 NYS Math exam, not achieving the absolute goal of 75% of the second year students or more attaining proficiency. Twenty-nine (28.6%) percent of all returning Rochester Prep 7th grade students were proficient on the Mathematics exam.

Performance on 2013-14 State Mathematics Exam
By All Students and Students Enrolled in At Least Their Second Year

Grades	All Students		Enrolled in at least their Second Year	
	Percent	Number Tested	Percent	Number Tested
3				
4				
5	31%	87	0%	2
6	32.6%	92	32.9%	82
7	28%	75	28.6%	70
8	N/A	N/A	N/A	N/A
All	30.7%	254	31.8%	154

Evaluation

⁸ Students exempted from this exam according to their Individualized Education Program (IEP), because of English Language Learners (ELL) status, or absence for at least some part of the exam.

Rochester Prep West Campus did not exceed the absolute measure of 75% proficient in the performance of its Math program in 2013-2014.

At the 5th grade level, 31% of all students scored proficient on the state Math test in their first year of enrollment at Rochester Prep.

32.9% of Rochester Prep's 6th grade students in at least their second year at the school were proficient or better on the state Math test.

28% of Rochester Prep's 7th grade students in at least their second year at the school were proficient or better on the state Math test.

Additional Evidence

Rochester Prep 6th grade students improved in their overall proficiency from 2012-2013 to 2013-2014 from 10.3% in 12-13 to 32.6% in 13-14. The 6th grade cohort from 12-13 improved their performance and showed additional growth with an increase in proficiency of 17.7% from 6th to 7th grade.

Mathematics Performance by Grade Level and School Year

Grade	Percent of Students Enrolled in At Least Their Second Year Achieving Proficiency					
	2011-12		2012-13		2013-14	
	Percent	Number Tested	Percent	Number Tested	Percent	Number Tested
3						
4						
5			0%	3	0%	2
6			10.3%	68	32.9%	82
7					28.6%	70
8						
All						

Goal 2: Absolute Measure

Each year, the school's aggregate Performance Level Index (PLI) on the State mathematics exam will meet the Annual Measurable Objective (AMO) set forth in the state's NCLB accountability system.

Method

The federal No Child Left Behind law holds schools accountable for making annual yearly progress towards enabling all students to be proficient. As a result, the state sets an AMO each year to

determine if schools are making satisfactory progress toward the goal of proficiency in the state's learning standards in mathematics. To achieve this measure, all tested students must have a Performance Level Index (PLI) value that equals or exceeds the 2013-14 mathematics AMO of 86. The PLI is calculated by adding the sum of the percent of all tested students at Levels 2 through 4 with the sum of the percent of all tested students at Levels 3 and 4. Thus, the highest possible PLI is 200.⁹

Results

A table displaying the calculation of Rochester Prep's Performance Level Index for the 2013-14 school year appears below.

Mathematics 2013-14 Performance Level Index (PLI)

Number in Cohort	Percent of Students at Each Performance Level			
	Level 1	Level 2	Level 3	Level 4
254	28.7%	40.5%	22%	8.8%

$$\begin{array}{rcl} \text{PI} & = & 40.5 \\ & + & 22 \\ & & 22 \\ & + & 8.8 \\ & & \text{PLI} \end{array} \quad \begin{array}{rcl} & & = \\ & & 71.3 \\ & & = \\ & & 30.8 \\ & & = \\ & & 102.1 \end{array}$$

Evaluation

Rochester Prep - West Campus has met the Annual Measurable Objective for the 13-14 Math results. Rochester Prep's Performance Level Index is 102.1 which are 16.1 points higher than the 13-14 Mathematics AMO.

Goal 2: Comparative Measure

Each year, the percent of all tested students who are enrolled in at least their second year and performing at proficiency on the state mathematics exam will be greater than that of all students in the same tested grades in the local school district.

Method

A school compares tested students enrolled in at least their second year to all tested students in the surrounding public school district. Comparisons are between the results for each grade in which the school had tested students in at least their second year at the school and the total result for all students at the corresponding grades in the school district.¹⁰

Results

⁹ In contrast to NYSED's Performance Index, the PLI does not account for year-to-year growth toward proficiency.

¹⁰ Schools can acquire these data when the New York State Education Department releases its Access database containing grade level ELA and math test results for all schools and districts statewide. The NYSED announces the release of the data on its [News Release webpage](#).

A table displaying the calculation of Rochester Prep's Performance Level Index for the 2013-14 school year appears below.

**2013-14 State Mathematics Exam
Charter School and District Performance by Grade Level**

Grade	Percent of Students at Proficiency			
	Charter School Students In At Least 2 nd Year		All District Students	
	Percent	Number Tested	Percent	Number Tested
3				
4				
5	0%	2	8%	2135
6	32.9%	82	6%	2082
7	28.6%	70	5%	1910
8				

Evaluation

Rochester Prep achieved higher than district percentages for proficiency on the math tests. In 5th grade Rochester Prep only had two students who were able to take the tests again. Neither of these two retained students achieved a proficient score on the assessment. Rochester Prep does not feel the performance of these students provides a true statistical measure to compare. In 6th grade, with more students have been with Rochester Prep for more than one year, Rochester Prep had 33% of its students proficient on the test. This is 27 percentage points higher than the district. In 7th grade, students outpaced the RCSD by 24 percentage points.

Additional Evidence

It is important to point out that while Rochester Prep did not achieve the proficient levels across 75% of its students. Rochester Prep did achieve better results across the board, over the city school district.

**Mathematics Performance of Charter School and Local District
by Grade Level and School Year**

Grade	Percent of Students Enrolled in at Least their Second Year Who Are at Proficiency Compared to Local District Students					
	2011-12		2012-13		2013-14	
	Charter School	Local District	Charter School	Local District	Charter School	Local District
3						
4						
5	N/A	N/A	0%	6%	0%	8%
6			10.3%	5%	32.9%	6%
7					28.6%	5%
8						
All						

Goal 2: Comparative Measure

Each year, the school will exceed its predicted level of performance on the state mathematics exam by an Effect Size of 0.3 or above (performing higher than expected to a small degree) according to a regression analysis controlling for students eligible for economically disadvantaged students among all public schools in New York State.¹¹

Method

The Charter Schools Institute conducts a Comparative Performance Analysis, which compares the school's performance to demographically similar public schools state-wide. The Institute uses a regression analysis to control for the percentage of economically disadvantaged students among all public schools in New York State. The Institute compares the school's actual performance to the predicted performance of public schools with a similar economically disadvantaged percentage. The difference between the schools' actual and predicted performance, relative to other schools with similar economically disadvantaged statistics, produces an Effect Size. An Effect Size of 0.3 or performing higher than expected to a small degree is the requirement for achieving this measure.

Given the timing of the state's release of economically disadvantaged data and the demands of the data analysis, the 2013-14 analysis is not yet available. This report contains 2012-13 results, the most recent Comparative Performance Analysis available.

Results

In the 2012-13 school year, the Comparative Performance Analysis showed that Rochester Prep performed "Lower than Expected." Rochester Prep's overall effect size was -.53, lower than expected performance and below the desired effect size of 0.3.

2012-13 Mathematics Comparative Performance by Grade Level

Grade	Percent of Economically Disadvantaged Students	Number of Students Tested	Percent of Students at Proficiency		Difference between Actual and Predicted	Effect Size
			Actual	Predicted		
3						
4						
5	85.7	87	10.3	19.4	- 9.1	-0.60
6	85.4	85	10.6	17.7	- 7.1	-0.45
7						
8						
All	85.6	172	10.4	18.5	- 8.1	-0.53

School's Overall Comparative Performance:

¹¹ The Institute will continue using **economically disadvantaged** instead of **eligibility for free lunch** as the demographic variable in 2013-14. Schools should report previous year's results using reported free-lunch statistics.

Lower than expected

Evaluation

Rochester Prep did not meet the total of the aggregate Effect size of -0.3. The schools effect size for mathematics performance was -0.53.

Additional Evidence

Mathematics Comparative Performance by School Year

School Year	Grades	Percent Eligible for Free Lunch	Number Tested	Actual	Predicted	Effect Size
2010-11						
2011-12	5	74.2%	85	63.5	56.2	0.37
2012-13	5, 6	85.6	172	10.4	18.5	-0.53

Goal 2: Growth Measure¹²

Each year, under the state's Growth Model, the school's mean unadjusted growth percentile in mathematics for all tested students in grades 4-8 will be above the state's unadjusted median growth percentile.

Method

This measure examines the change in performance of the same group of students from one year to the next and the progress they are making in comparison to other students with the same score in the previous year. The analysis only includes students who took the state exam in 2013-14 and also have a state exam score in 2012-13 including students who were retained in the same grade. Students with the same 2012-13 scores are ranked by their 2013-14 scores and assigned a percentile based on their relative growth in performance (mean growth percentile). Students' growth percentiles are aggregated school-wide to yield a school's mean growth percentile. In order for a school to perform above the statewide median, it must have a mean growth percentile greater than 50.

Results

¹² See Guidelines for Creating a SUNY Accountability Plan for an explanation.

Rochester Prep outperformed the statewide average for Mean Growth Percentile by a wide margin across all grade levels and with a same consistent margin of performance per grade. In 5th grade Rochester Prep score was 34.5 higher than the statewide average.

2013-14 Mathematics Mean Growth Percentile by Grade Level

Grade	Mean Growth Percentile	
	School	Statewide Average
3		50.0
4		50.0
5	84.5	50.0
6	78	50.0
7	73.5	50.0
8		50.0
All	79	50.0

Evaluation

Rochester Prep achieved a school wide average of 79 for its mean unadjusted growth percentile. This is 29 percentile points higher than the statewide average.

Summary of the Mathematics Goal

Rochester Prep fell short of the absolute measure that 75 percent of all tested students enrolled in at least their second year would perform at or above the time adjusted level 3 cut score on the NYS Math exam. Rochester Prep achieved the second absolute goal with regard to the PLI and the Annual Measurable Objective. Rochester Prep also met the comparative goals with the Rochester City School District. The comparison district did outperform our second year 5th graders (2 students) by 5.5 percentage points, but as noted previously, we do not believe 2 students is statistically significant.

Type	Measure	Outcome
Absolute	Each year, 75 percent of all tested students who are enrolled in at least their second year will perform at proficiency on the New York State mathematics exam for grades 3-8.	Did Not Achieve
Absolute	Each year, the school's aggregate Performance Level Index (PLI) on the state mathematics exam will meet that year's Annual Measurable Objective (AMO) set forth in the state's NCLB accountability system.	Achieved
Comparative	Each year, the percent of all tested students who are enrolled in at least their second year and performing at proficiency on the state mathematics exam will be greater than that of students in the same tested grades in the local school district.	Achieved
Comparative	Each year, the school will exceed its predicted level of performance on the state mathematics exam by an Effect Size of 0.3 or above (performing higher than expected to a small degree) according to a regression analysis controlling for economically disadvantaged students among all public schools in New York State. (Using 2012-13 school district results.)	Did Not Achieve in 12-13
Growth	Each year, under the state's Growth Model the school's mean unadjusted	Achieved

	growth percentile in mathematics for all tested students in grades 4-8 will be above the state's unadjusted median growth percentile.	
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Action Plan

Similar to ELA, Rochester Prep - West Campus is taking several actions to improve its Mathematics performance for its students related to the Common Core, Remediation, Observation & Feedback, and Professional Development.

Common Core

First, beginning in the 2014-15 school year, Rochester Prep will no longer separate its Math Procedures and Math Problem Solving classes. Instead, students will have a 2 hour Math class each day. This aligns more accurately to the Common Core Learning Standards, whereby students' will not only be responsible for mathematics operations, but communicating the procedure behind the operation. Rochester Prep will continue to partner with the other Uncommon Schools located in New York State to procure externally-developed, Common Core-aligned interval assessments. Rochester Prep expects that these changes will positively affect students' performance on the New York State exam.

Remediation

Second, in grades 5, 6, 7, and 8, we have built a tutoring block into the students' schedule. Daily, teachers will pull out a small group of their students for tutoring, using data from the previous year's NYS Math exam, internal interim assessments, and daily classroom assessments (called "Exit Tickets").

Observation & Feedback

Math teachers will receive increased feedback around their action plans and student performance throughout the year. The leadership team at Rochester Prep has intentionally planned out observations and feedback sessions so that master teachers can effectively and consistently give more feedback on new teachers' teaching methods and strategies.

Professional Development

Rochester Prep will continue to strategically plan out its professional development time. The PD time consists of 3.5 weeks in the summer and weekly, 2 hour PD meetings throughout the year. In the 2013-2014 school year there was a greater focus on strategic planning- spending more time on the scope and sequence, unit planning, and lesson planning.

SCIENCE

Goal 3: Science

Students will demonstrate mastery of skill and knowledge in Science.

Background

Rochester Prep - West Campus did not have grades 4 or 8 for the 2013-2014 school year, so there are no results to measure or compare.

Goal 3: Absolute Measure

Each year, 75 percent of all tested students enrolled in at least their second year will perform at proficiency on the New York State science examination.

Method

The school did not administer the New York State Testing Program science assessment to students in 4th and 8th grade in spring 2014 because it did not have students present in either grade. The school converted each student's raw score to a performance level and a grade-specific scaled score. The criterion for success on this measure requires students enrolled in at least their second year (defined as enrolled by BEDS day of the previous school year) to score at proficiency.

Results

This is not applicable in 2013-2014.

Charter School Performance on 2013-14 State Science Exam By All Students and Students Enrolled in At Least Their Second Year

Grade	Percent of Students at Proficiency			
	Charter School Students In At Least 2 nd Year		All District Students	
	Percent	Number Tested	Percent	Number Tested
4				
8				

Evaluation

This is not applicable in 2013-2014.

Additional Evidence

This is not applicable in 2013-2014.

Also, additional evidence may include other valid and reliable assessment results that demonstrate the effectiveness of the science program.

Science Performance by Grade Level and School Year

Grade	Percent of Students Enrolled in At Least Their Second Year at Proficiency					
	2011-12		2012-13		2013-14	
	Percent	Number Tested	Percent	Number Tested	Percent	Number Tested
4						
8						
All						

Goal 3: Comparative Measure

Each year, the percent of all tested students enrolled in at least their second year and performing at proficiency on the state science exam will be greater than that of all students in the same tested grades in the local school district.

Method

The school compares tested students enrolled in at least their second year to all tested students in the surrounding public school district. Comparisons are between the results for each grade in which the school had tested students in at least their second year and the results for the respective grades in the local school district.

Results

This is not applicable in 2013-2014.

2013-14 State Science Exam Charter School and District Performance by Grade Level

Grade	Percent of Students at Proficiency			
	Charter School Students In At Least 2 nd Year		All District Students	
	Percent	Number Tested	Percent	Number Tested
4				
8				

Evaluation

This is not applicable in 2013-2014.

Additional Evidence

This is not applicable in 2013-2014.

**Science Performance of Charter School and Local District
by Grade Level and School Year**

Grade	Percent of Charter School Students at Proficiency and Enrolled in At Least their Second Year Compared to Local District Students					
	2011-12		2012-13		2013-14	
	Charter School	Local District	Charter School	Local District	Charter School	Local District
4						
8						
All						

Summary of the Science Goal

This is not applicable in 2013-2014.

Type	Measure	Outcome
Absolute	Each year, 75 percent of all tested students enrolled in at least their second year will perform at proficiency on the New York State examination.	N/A
Comparative	Each year, the percent of all tested students enrolled in at least their second year and performing at proficiency on the state exam will be greater than that of all students in the same tested grades in the local school district.	N/A

Action Plan

This is not applicable in 2013-2014.

NCLB

Goal 4: NCLB

Under the state's NCLB accountability system, the schools' Accountability Status will be "Good Standing" each year.

Goal 5: Absolute Measure

Under the state's NCLB accountability system, the school's Accountability Status is in good standing: the state has not identified the school as a Focus School nor determined that it has met the criteria to be identified as a local-assistance-plan school

Method

Since *all* students are expected to meet the state's learning standards, the federal No Child Left Behind legislation stipulates that various sub-populations and demographic categories of students among all tested students must meet state proficiency standards. New York, like all states, established a system for making these determinations for its public schools. Each year the state issues School Report Cards which indicate each school's status under the state's No Child Left Behind (NCLB) accountability system.

Results

Under the state's NCLB accountability system, Rochester Prep was deemed to be in "Good Standing."

Evaluation

This goal has been achieved.

Additional Evidence

Rochester Prep has been deemed to be in "Good Standing" under NCLB for every year it was established in the 2011-2012 school year.

NCLB Status by Year

Year	Status
2010-11	NA
2011-12	Good Standing
2012-13	Good Standing
2013-14	Good Standing