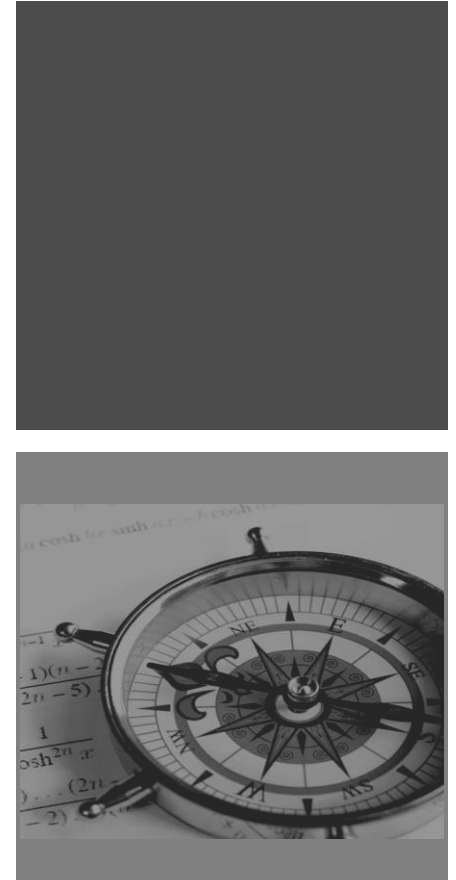




Whole Child Learning Portfolio

Somers Central School District
Board of Education Presentation
November 22, 2016



Whole Child Learning Portfolio

Academic Programs

Primrose School

- Early Literacy: Foundations K-2 (Wilson Reading), Units of Study in Writing (Lucy Calkins, Teachers' College)
- Mathematics: Everyday Math 4th Edition (University of Chicago)
- Science 21 Grades K-2 (PNWBOCES)
- Social Studies/ELA – Integrated Units of Study (PNWBOCES)

Somers Intermediate School

- Literacy: Units of Study in Writing (Lucy Calkins, Teachers' College), Junior Great Books, Foundations – Grade 3
- Mathematics: Everyday Math 4th Edition (University of Chicago)
- Science 21 Grades 3-5 (PNWBOCES)
- Social Studies/ELA – Integrated Units of Study (PNWBOCES)

Somers Middle School

- Mathematics (McGraw Hill)
- Engineering by Design
- Social Studies - New Frameworks – Inquiry Based
- Literacy: Writing and Reading across genres, 8th Grade Social Action Research

Somers High School

- Mathematics – Newly designed courses to help students be college ready
- Project Lead the Way – Completed sequence with addition of 4th course
- Writing Center – Year 2
- Social Studies – Common 10th grade experience – Human Rights Research
- Science Research – Current enrollment: 68



Whole Child Learning Portfolio

Social, Emotional and Physical Wellness

Primrose School

- Counseling Program – Bucket Fillers and Targeted Small Groups, Colored in Character
- Responsive Classroom
- Mindfulness Practice
- Fitnessgram

Somers Middle School

- Counseling Program
- True North Program
- Advisory Program
- Success Highways
- Fitnessgram
- TEAM Tusker Mentoring Program

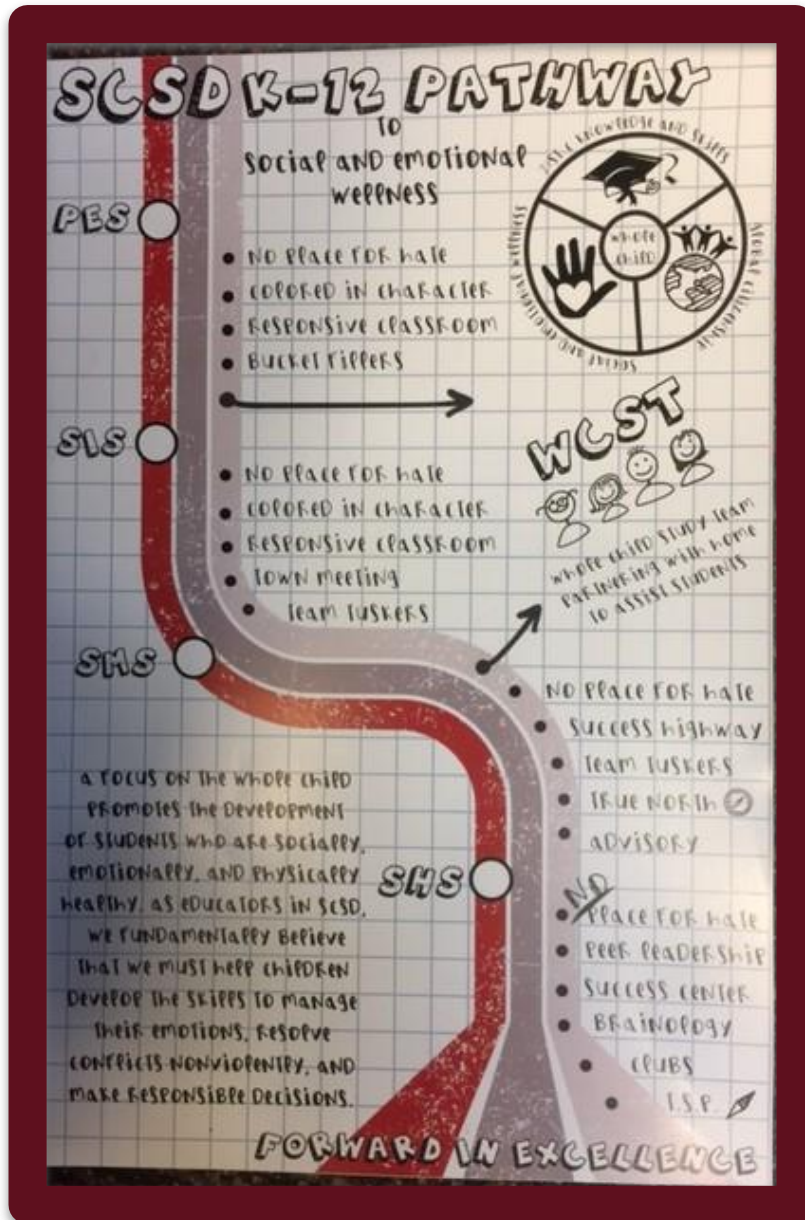
No Place for Hate

Somers Intermediate School

- Counseling Program – Bucket Fillers and Targeted Small Groups, Colored in Character
- Responsive Classroom
- Fitnessgram
- Town Meetings
- Team Tuskers

Somers High School

- Counseling Program
- Transitional Support Program (TSP)
- Brainology – Every 10th grader
- Peer Leadership – Mentoring Program
- Fitnessgram



Educators, parents and policymakers who recognize that the core SEL competencies are necessary for effective life functioning also know these skills can be taught. Extensive research demonstrates that school-based SEL programs can promote and enhance students' connection to school, positive behavior and academic achievement.

Collaborative for Academic, Social, and Emotional Learning (CASEL)



Around our Schools



Student Engagement in Extra-Curricular Activities

Academic Challenge*	37	Green Power Engineering	22	Physics	60
Art Honor Society	12	GSA	4	R.I.S.E.*	11
Chemistry*	28	Habitat for Humanity/Rotary	33	SAASA	28
Culture	27	Human Rights	11	Senior Class	8
Dance Team	22	Italian	57	Sign Language	31
Drama	20	Junior Class	14	Sophomore Class	5
Environmental	6	Math Team	25	Spanish	51
Fashion/Textile	33	Mock Trial	18	STAT	77
French	44	Model UN	26	Student Council	40
Freshman Class	17	Newspaper	6	Technology Student Association	17
Gambit	3	National Honor Society	212	Yearbook	15
GEAR Squad	12	Photo	28	Youth to Youth*	28



Students Engaged in Fall Athletics

Cheerleading	12
Cross Country	86
Field Hockey	39
Football	105
Soccer	95
Swimming	14
Tennis	18
Volleyball	24

Totals	
Extra-Curricular	Fall Sports
1088	393
Grand Total	
1481	
Unique Student Participants	
754	68% of our student body (up 3% from last year)



A Look at Performance Elementary Literacy

Program Evaluation Question:

With strong programs in place what are the outcomes for students in terms of literacy skills – especially reading – as they exit their elementary schools?



Grades 2 and 5 – STAR Reading

Primrose School - Cross Sectional

Grade	School Year Apr 1 - May 31 (Spring)	Percent of Students by District Benchmark Category	Students Tested	65+ PR	41-64 PR	26-40 PR	1-25 PR
Grade 2	2015 - 2016 Grade 2		186	69% 129	18% 34	7% 13	5% 10
	2014 - 2015 Grade 2		200	61% 121	28% 57	6% 11	6% 11
	2013 - 2014 Grade 2		216	48% 103	25% 54	10% 22	17% 37
	2012 - 2013 Grade 2		226	46% 104	29% 65	11% 25	14% 32

Somers Intermediate School - Cross Sectional

Grade	School Year Apr 1 - May 31 (Spring)	Percent of Students by District Benchmark Category	Students Tested	65+ PR	41-64 PR	26-40 PR	1-25 PR
Grade 5	2015 - 2016 Grade 5		251	55% 137	28% 70	9% 22	9% 22
	2014 - 2015 Grade 5		248	59% 147	26% 64	7% 18	8% 19
	2013 - 2014 Grade 5		261	57% 149	26% 68	9% 23	8% 21
	2012 - 2013 Grade 5		278	53% 146	28% 77	11% 30	9% 25

A Look at Performance Elementary Mathematics

Program Evaluation Question:

With strong programs in place what are the outcomes for students in terms of mathematics as they exit their elementary schools?



Grades 2 and 5 – STAR Math

Primrose School - Cross Sectional

Grade	School Year Apr 1 - May 31 (Spring)	Percent of Students by District Benchmark Category	Students Tested	 65+ PR	 41-64 PR	 26-40 PR	 1-25 PR
Grade 2	2015 - 2016 Grade 2		198	64% 126	23% 46	4% 7	10% 19
	2014 - 2015 Grade 2		209	64% 133	23% 49	7% 14	6% 13
	2013 - 2014 Grade 2		232	58% 135	22% 50	11% 25	9% 22
	2012 - 2013 Grade 2		244	61% 149	20% 49	8% 20	11% 26

Somers Intermediate School - Cross Sectional

Grade	School Year Apr 1 - May 31 (Spring)	Percent of Students by District Benchmark Category	Students Tested	 65+ PR	 41-64 PR	 26-40 PR	 1-25 PR
Grade 5	2015 - 2016 Grade 5		256	75% 192	12% 30	4% 9	10% 25
	2014 - 2015 Grade 5		248	82% 203	9% 22	4% 10	5% 13
	2013 - 2014 Grade 5		258	76% 195	12% 31	6% 16	6% 16
	2012 - 2013 Grade 5		273	80% 218	11% 29	5% 15	4% 11



A Look at Performance Somers Middle School

Program Evaluation Question:

How are Somers Middle School students currently doing in major academic areas?



STAR Reading

2015 - 2016 Grade 8		231	37% 85	37% 85	17% 39	10% 22
2014 - 2015 Grade 7		220	39% 85	27% 60	19% 42	15% 33
2013 - 2014 Grade 6		223	45% 101	31% 70	11% 25	12% 27
2012 - 2013 Grade 5		223	52% 117	28% 63	11% 25	8% 18



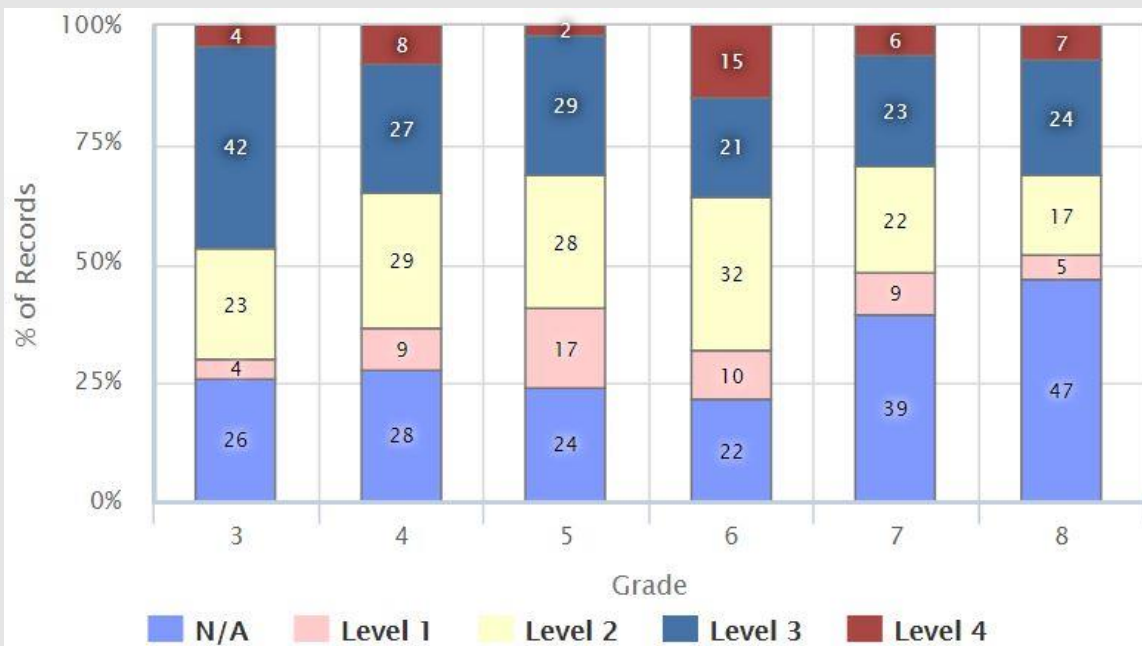
STAR Math

2015 - 2016 Grade 8		275	60% 164	24% 66	4% 11	12% 34
2014 - 2015 Grade 7		264	59% 155	24% 63	8% 22	9% 24
2013 - 2014 Grade 6		278	63% 175	17% 48	9% 24	11% 31
2012 - 2013 Grade 5		273	80% 218	11% 29	5% 15	4% 11



New York State Testing Program 2015-2016 English Language Arts

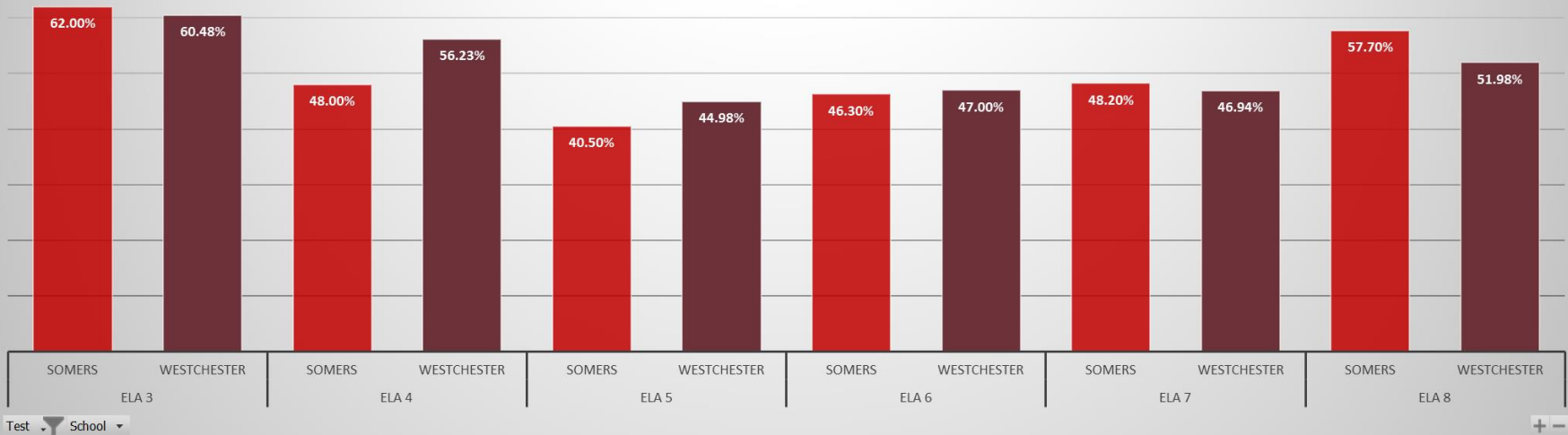
Data is compromised since it represents only the 70% of students that sat for the assessments





Comparison with Westchester Districts

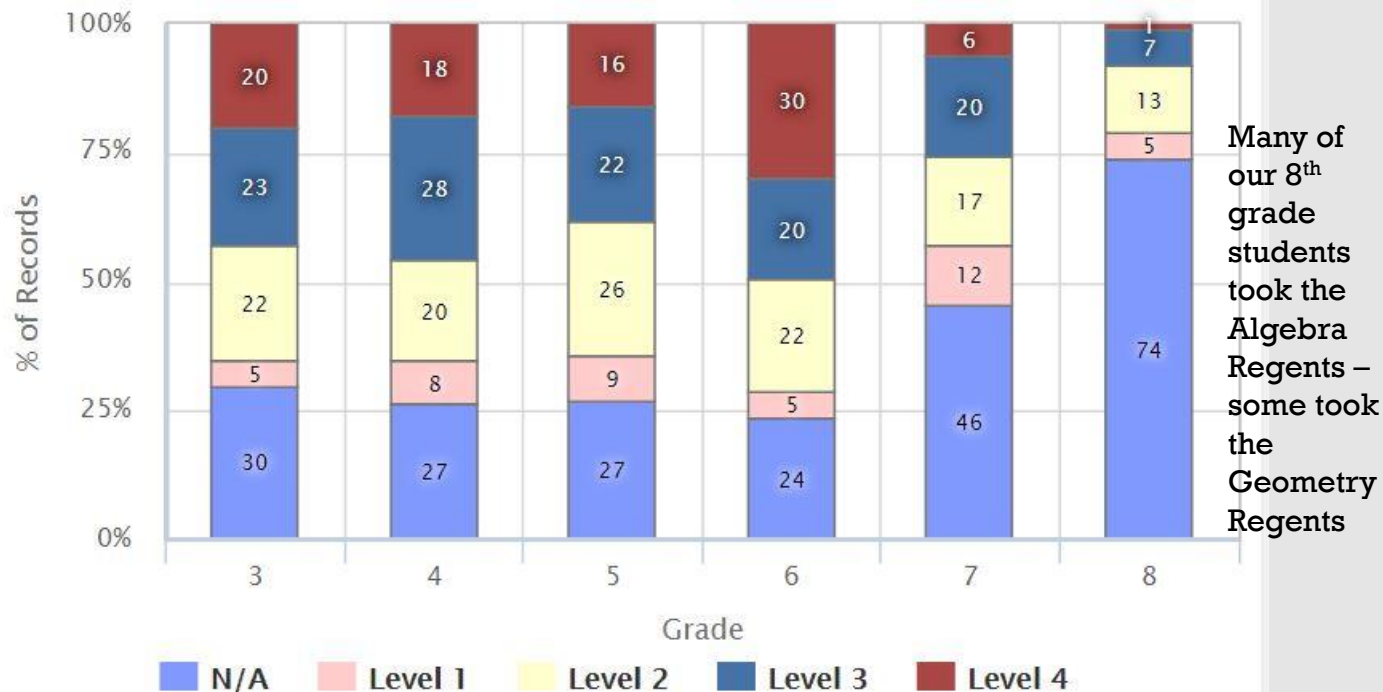
2016 ELA - Level 3 and 4 %
Somers CSD compared to Westchester





New York State Testing Program 2015-2016 Mathematics

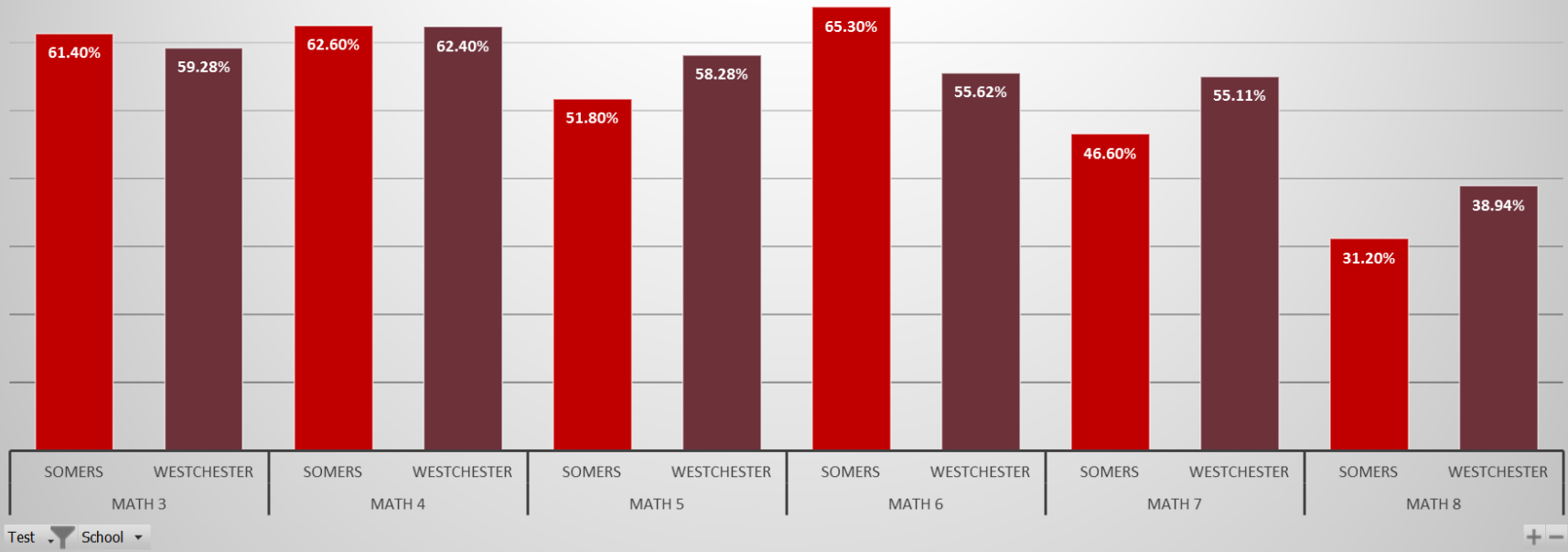
Data is compromised since it represents only the 62% of students that sat for the assessments





Comparison with Westchester Districts

**2016 Math - Level 3 and 4 %
Somers CSD compared to Westchester**



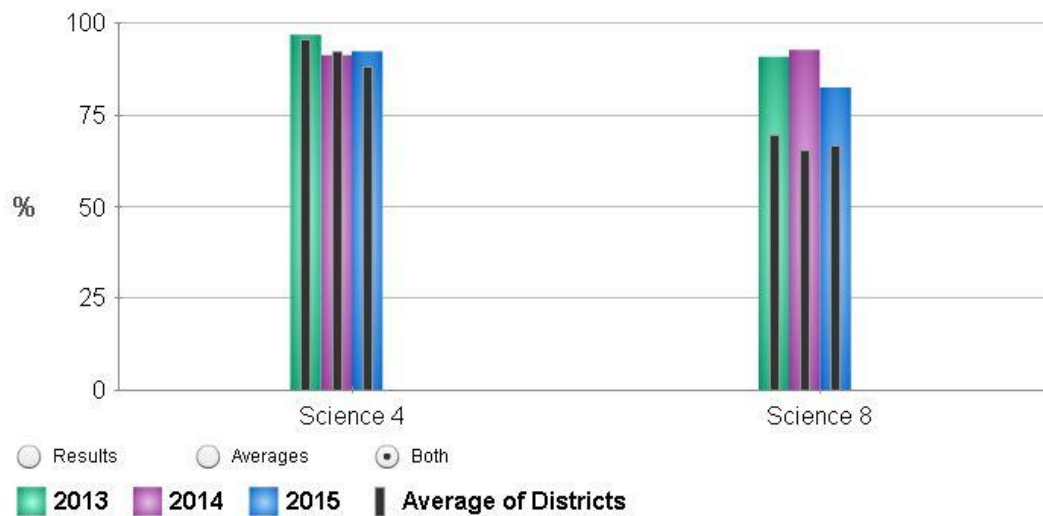


NYSTP Science Grades 4 and 8

2013-2015 Elementary Science -- %Passing

All Students

With Averages of Districts in Westchester



2011 2012 2013 2014 2015

☐ ☐ ☒ ☒ ☒

Chart Metric

%Passing

District Group

Westchester

Student Subgroup

All



A Look at Performance Somers High School

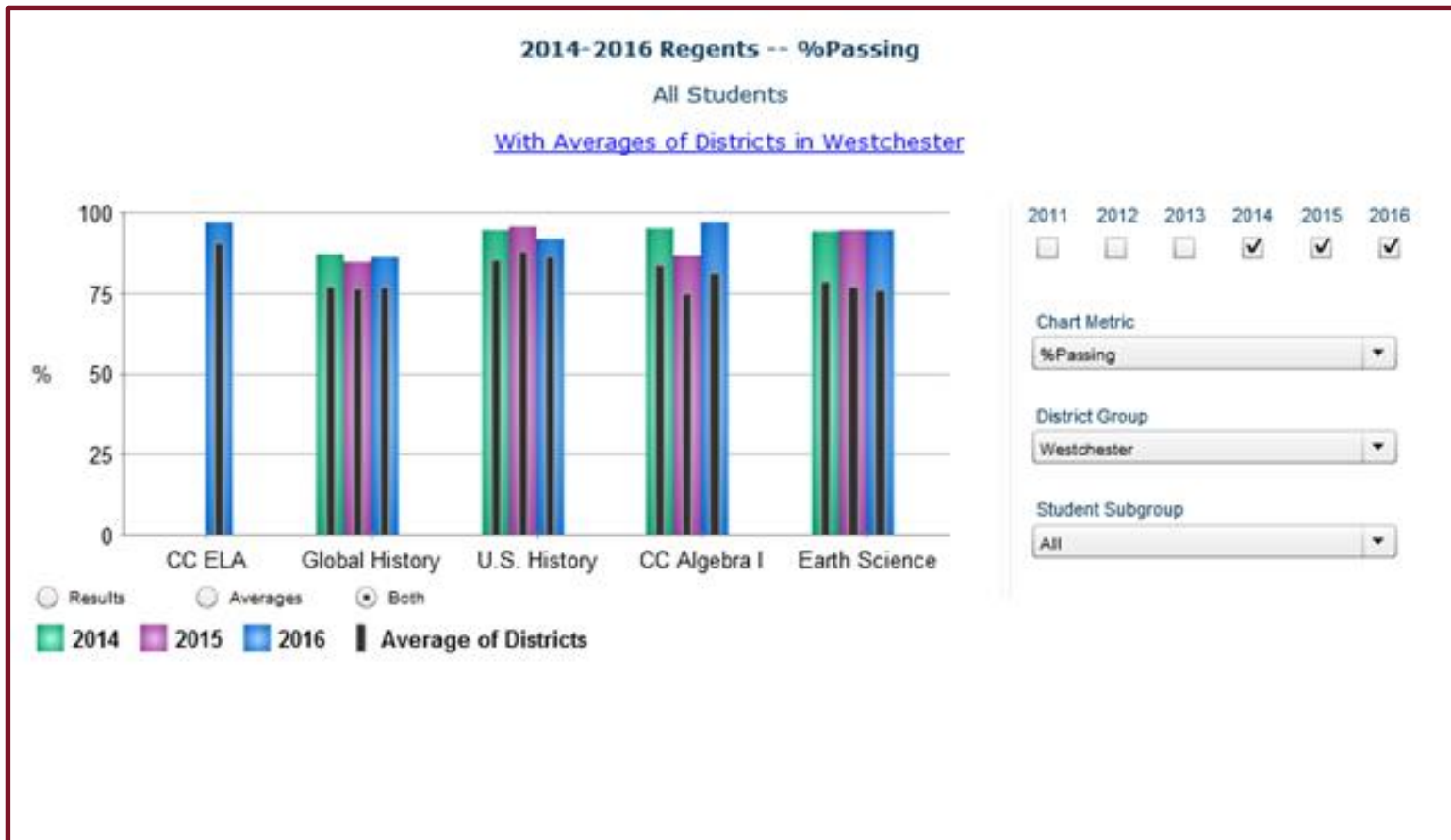
Program Evaluation Question:

Mindful of the rigorous requirements for success beyond graduation, how are Somers High School students currently doing in major academic areas?

With this question in mind, we examine both passing and **mastery** results (typically 85% and above) in comparison to other districts in Westchester.

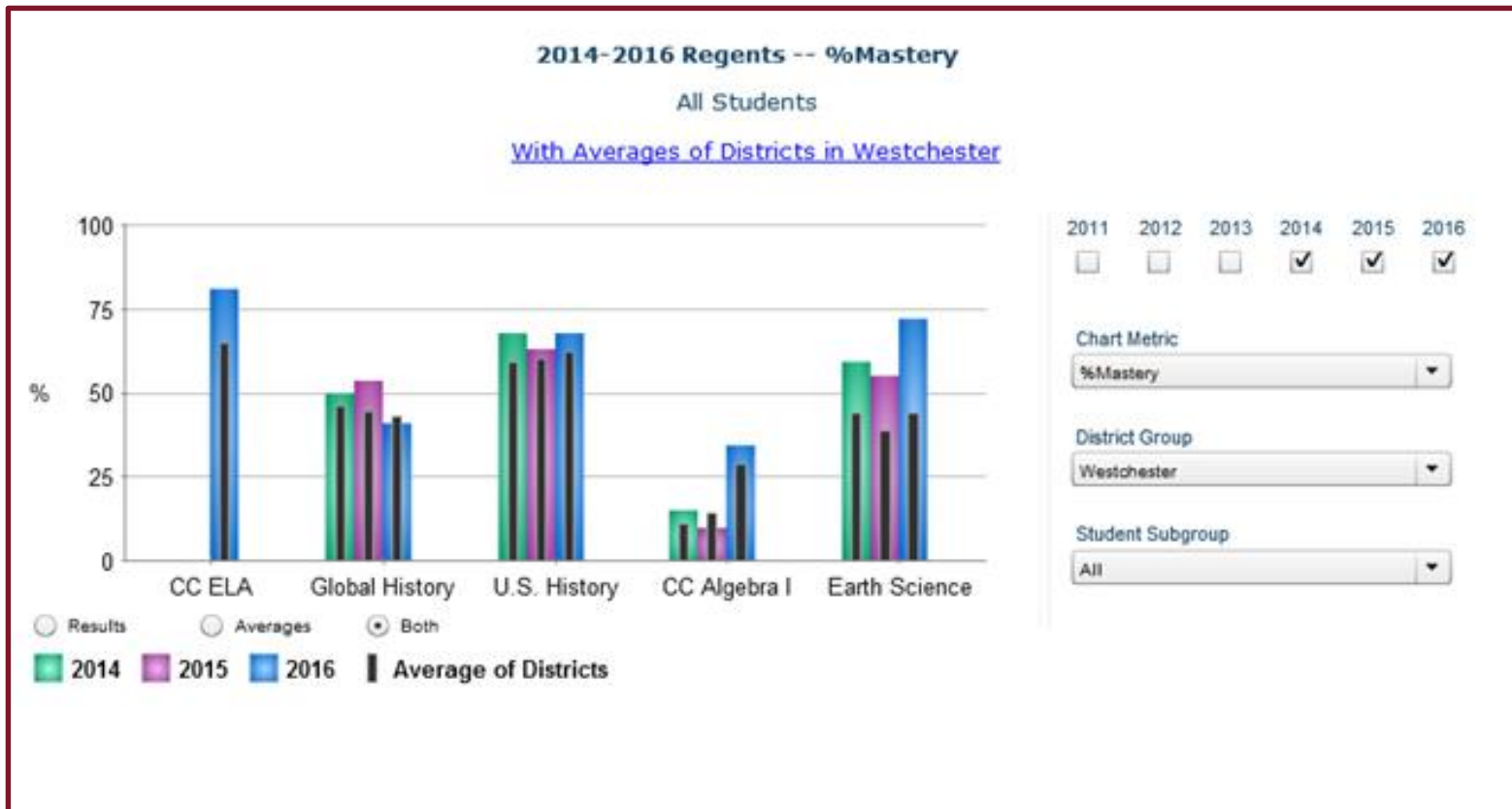


2014-2016 Regents - % Passing





2014-2016 Regents - % Mastery





Graduation Rate 2015

Somers CSD

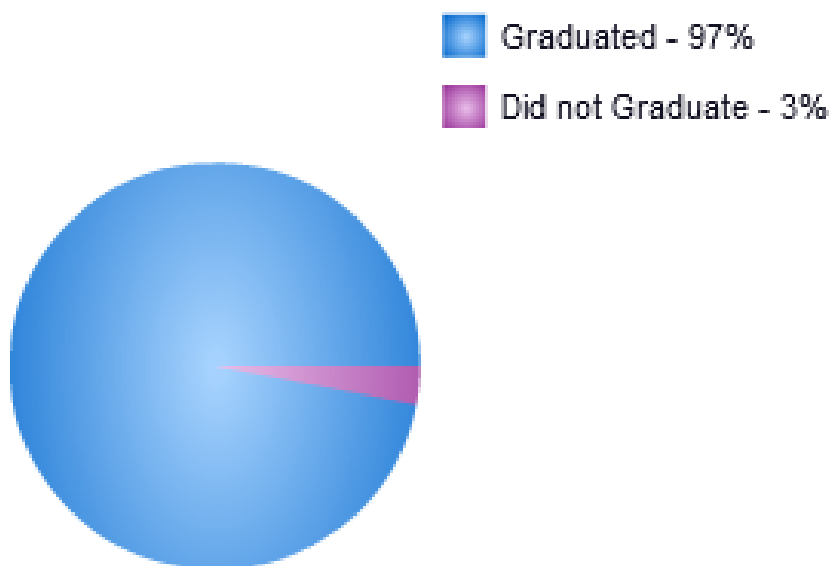
At-a-Glance

Total Enrollment: 3,264

Student-Teacher Ratio: 13:1

Elementary Class Size: 23

Graduation Rate





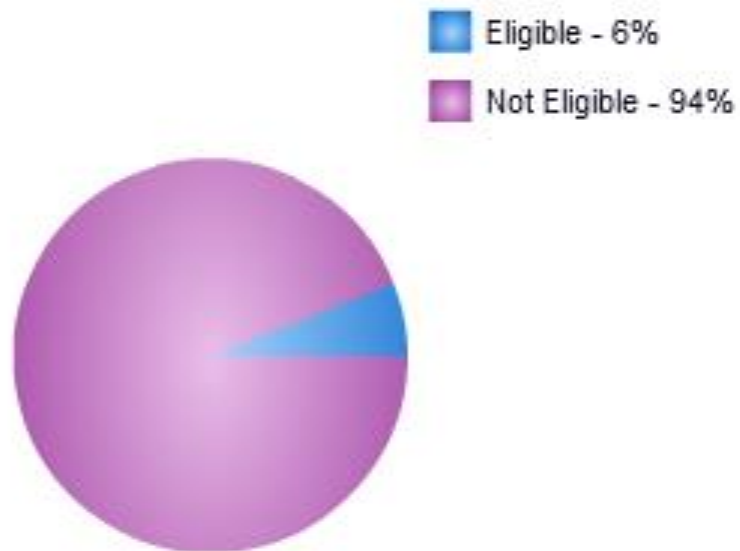
District Financial Report 2015

Somers CSD

Spending per Pupil



Free and Reduced Lunch Eligibility

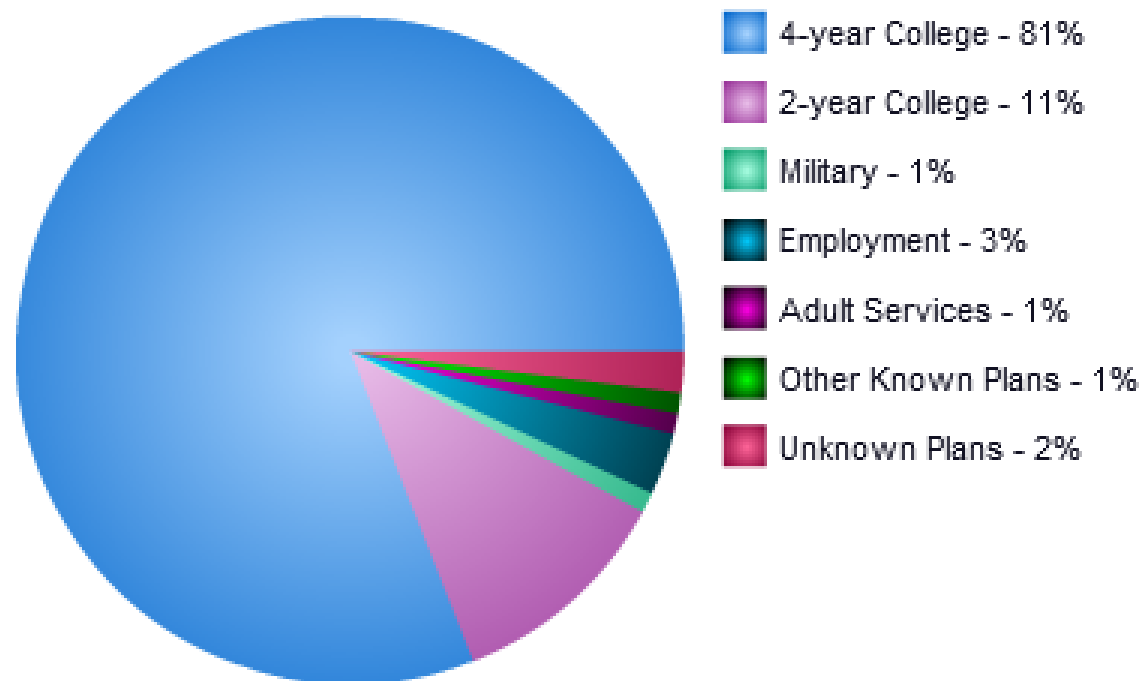




Post Secondary Plans 2015

Somers CSD

Post-Secondary Plans





Somers High School Admissions Testing Program

ACT Mean Scores

Class of 2016 Number of Students Tested: 179

	English	Math	Reading	Science	Composite
Somers	25.3 (+1.0)	24.4 (+0.8)	26.0 (+1.3)	24.8 (+0.6)	25.3 (+1.0)
NYS	23.2 (+0.2)	23.9 (+0.1)	24.4 (+0.5)	23.7 (+0.2)	23.9 (+0.2)
National	20.1 (-0.3)	20.6 (-0.2)	21.3 (-0.1)	20.8 (-0.1)	20.8 (-0.2)

SAT Mean Scores

Number of Students Tested: 231

	Critical Reading	Math	Writing
Somers	553 (+1)	554 (-3)	550 (+2)
NYS	489 (+1)	501 (-1)	477 (-1)
National	494 (-1)	508 (-3)	482 (-2)



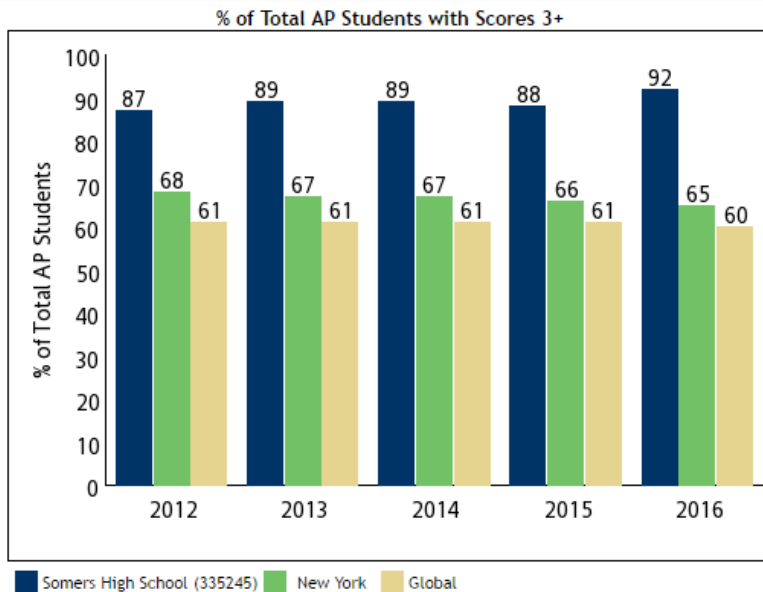
AP Five Year School Score Summary

AP Five-Year School Score Summary (2016)

This report shows five years of data at the school, state and global levels. On the first page, a graph illustrates the year-over-year change in the percentage of 3 or higher, next to a table that provides the overall total exams, total unique students and both the number and percentage of AP students with one or more AP courses. On subsequent pages, the report provides subject-specific summary data by year: total exams, total exams by score and mean score.

✓ Data Updated Sep 7, 2016, Report Run Nov 14, 2016

Somers High School (335245)



	2012	2013	2016
Somers High School			
Total AP Students	189	192	201
Number of Exams	412	436	461
AP Students with Scores 3+	165	170	181
% of Total AP Students with Scores 3+	87.3	88.5	89.6
New York			
Total AP Students	139,048	142,866	149,000
Number of Exams	238,728	246,688	258,000
AP Students with Scores 3+	93,970	96,052	99,000
% of Total AP Students with Scores 3+	67.6	67.2	67.0
Global			
Total AP Students	2,106,843	2,225,625	2,352,000
Number of Exams	3,714,079	3,955,410	4,199,000
AP Students with Scores 3+	1,295,051	1,354,800	1,442,000
% of Total AP Students with Scores 3+	61.5	60.9	61.0

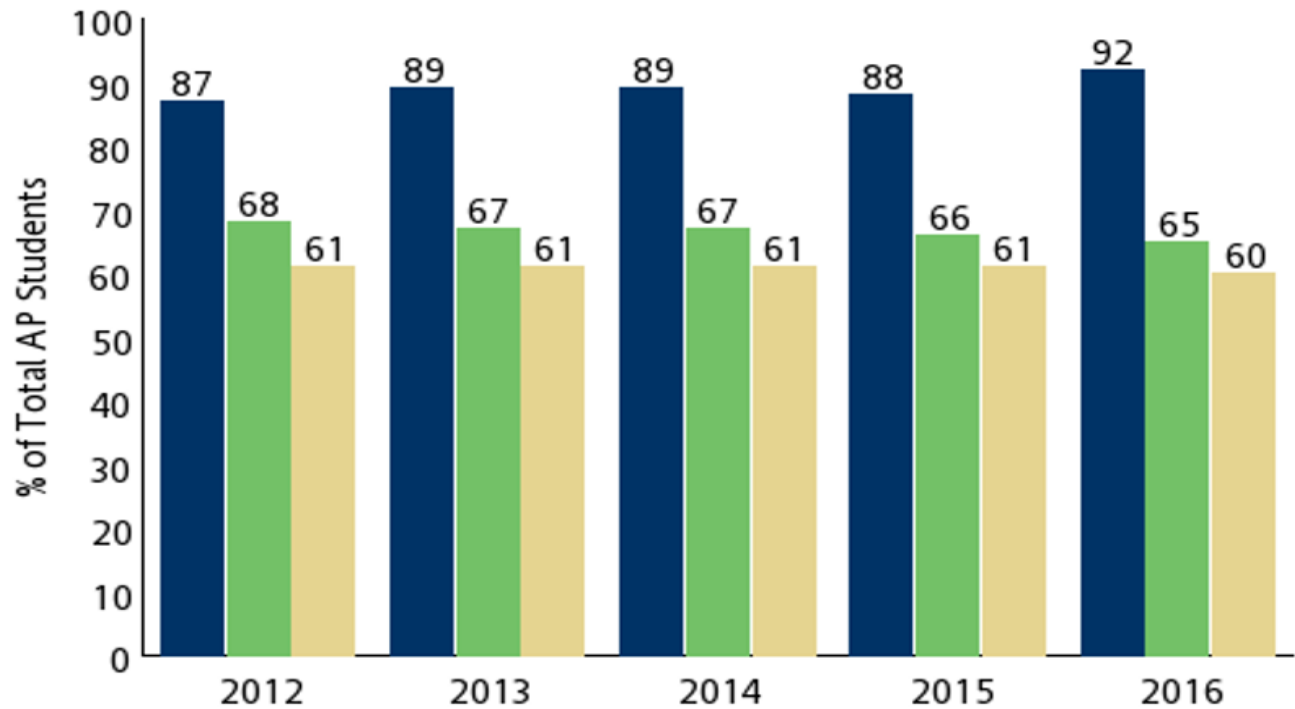
	Somers
	New York
	Global



AP Five Year School Score Summary

Somers High School (335245)

% of Total AP Students with Scores 3+





SHS 2016 AP Score Reports

Somers High School (335245)

Total AP Students in Your School: **211**

School Totals for this View	5	4	3	2	1	Total Exams
Number of AP Students	93	113	78	36	12	544

Subject Totals	5	4	3	2	1	Total Exams
Music Theory						
Studio Art: Drawing Portfolio						
English Language and Composition	29	15	3	1		48
English Literature and Composition	26	13	6			45
European History	7	5	10	5		27
Macroeconomics	18	25	13	9	4	69
Microeconomics	14	29	17	7	2	69
United States History	13	11	8	3		35
Calculus AB	11	6	6	1	4	28
Calculus BC	14	1				15
Statistics	13	5	2	2	1	23
Biology	2	8	5	2		17
Chemistry	10	5	1			16
Environmental Science	6	18	4	6		34
Physics C: Electricity and Magnetism	12	11	4		1	28
Physics C: Mechanics	12	13	2	1		28
French Language and Culture						
Italian Language and Culture						
Spanish Language and Culture	3	7	19	4		33

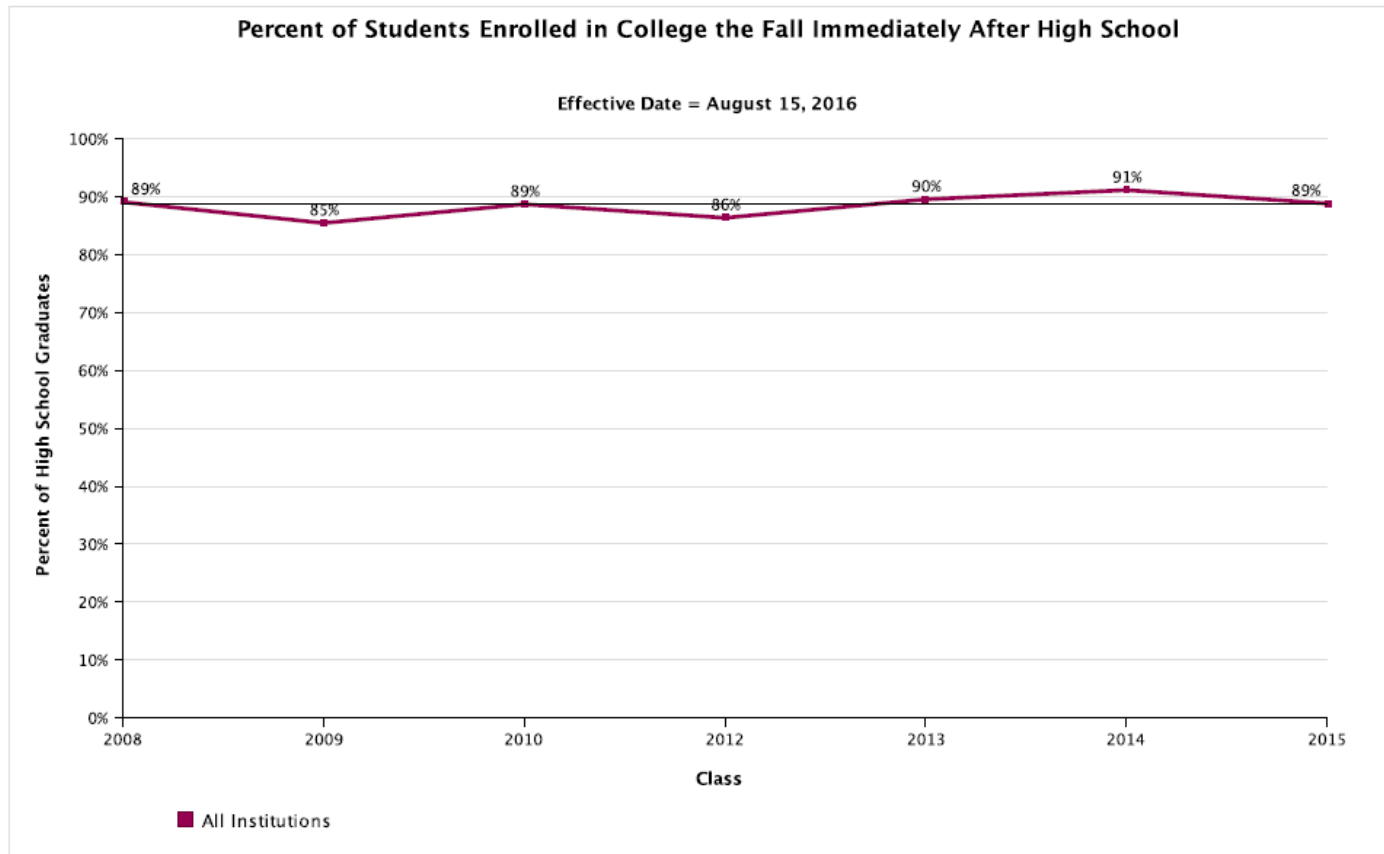
In May 2016, **211** Somers High School students sat for **544** AP exams.

90% of AP exam scores earned were in the 3-5 range – up from 88% last year.

Total scores under 12 are blocked for confidentiality purposes.



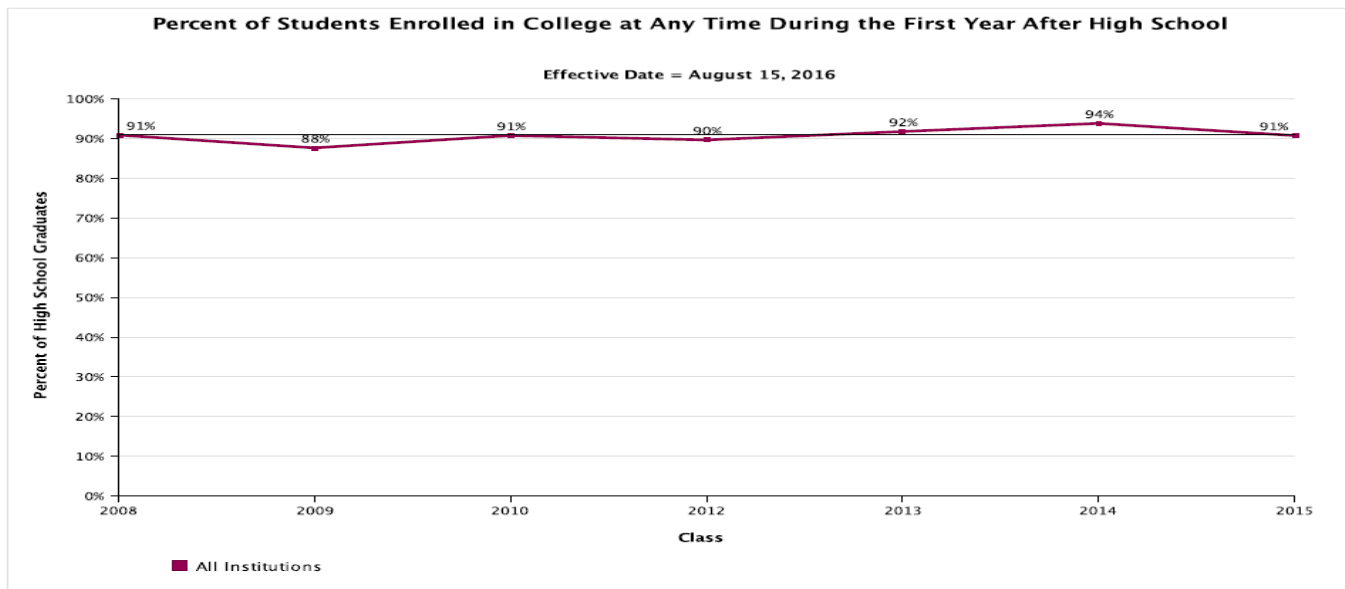
% of Students Enrolled in College in the Fall Immediately After High School



AVG = 89%



% of Students Enrolled in College at Any Time During the First Year After High School



AVG = 91%

SOMERS HIGH SCHOOL

Report Run Date: 08/18/2016 11:17 AM

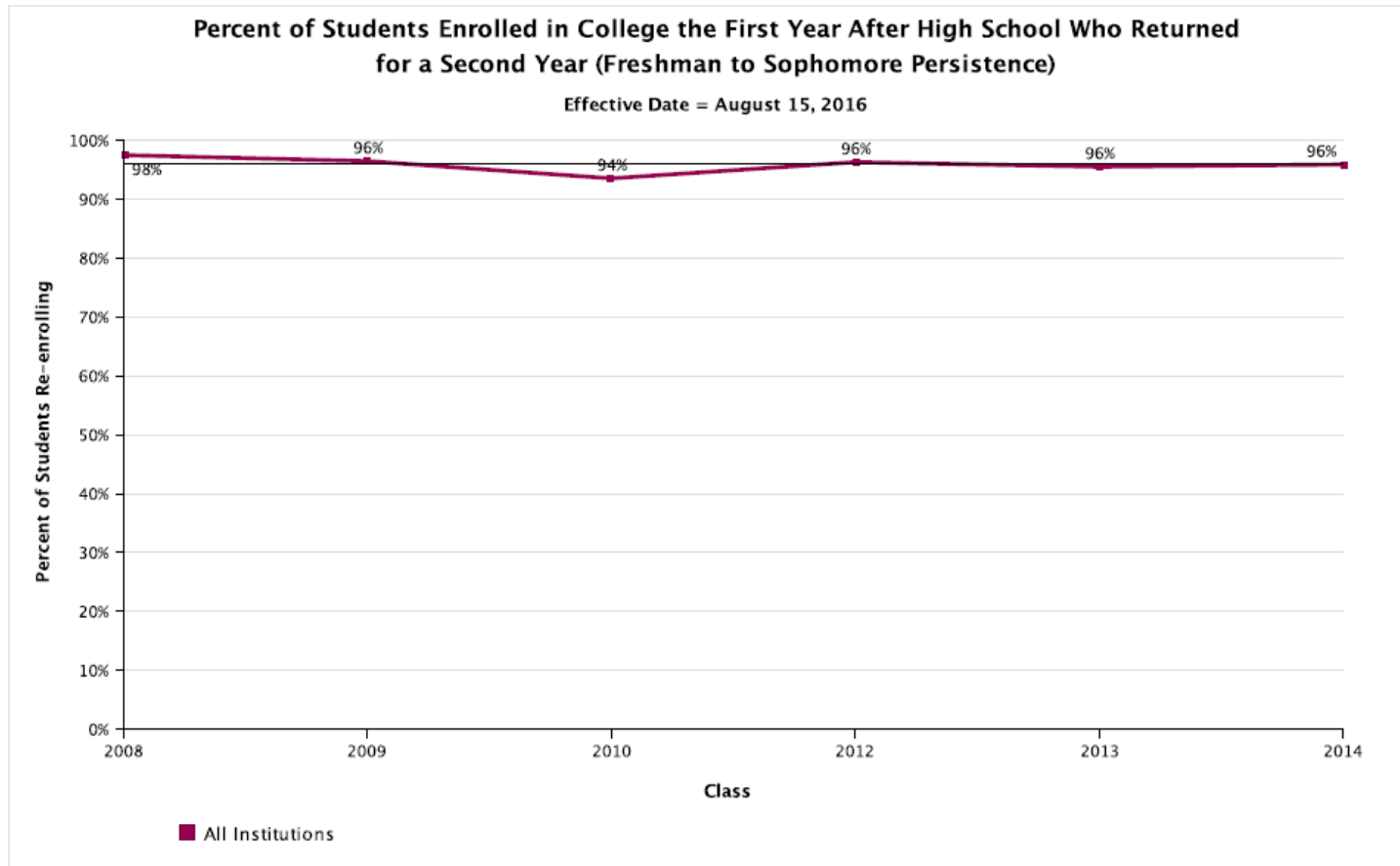
Page 7 of 45

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CLEARINGHOUSE**

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% of Students Enrolled in College the First Year After High School Who Returned for a Second Year – Freshman to Sophomore Persistence



AVG = 96%

+ International Baccalaureate Diploma Program Update



- Authorization Visit took place on November 14 and November 15 – two IBO Coordinators – one from Florida, the other from Nova Scotia – interviewed teachers, administrators, parents and students. They will share their findings with the IBO and we will hear of the final decision some time after the new year.
- 15 High School Teachers are prepared to teach IB Courses beginning in the Fall of 2017.
- 11th grade students seeking the IB Diploma or those wishing to sample an IB course (11th or 12th grade) will be able to choose from the following: English Language and Literature, French, Spanish, Italian, History, Psychology, Environmental Systems and Societies, Mathematics, Math Studies, and Visual Arts – along with Theory of Knowledge.