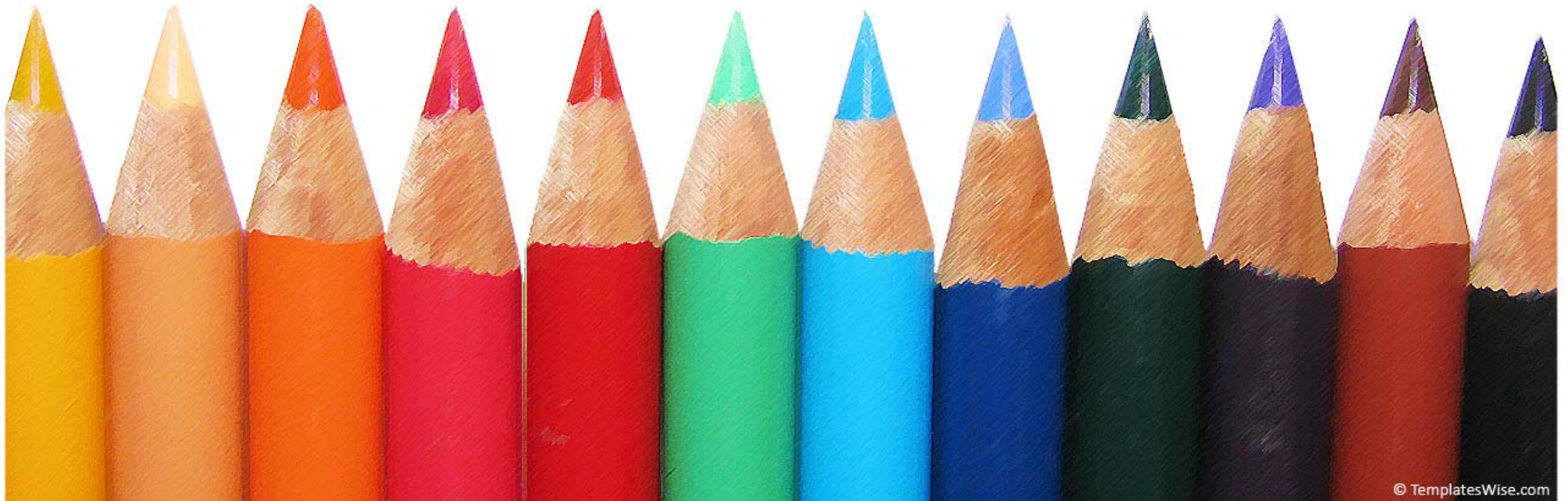


An Overview of Student Achievement Data

Rhinebeck Central School District Presentation to the BOE 2015-2016

Prepared by Marvin Kreps
Director of Curriculum and Instruction



Our Mission

The Rhinebeck Central School District is a collaborative educational community that provides an excellent learning environment, prepares students to meet the challenges and opportunities of the future, and is dedicated to nurturing every student's generosity of spirit, passion for learning, and success.



Our Vision

The Rhinebeck Central School District meets the changing needs of our community with innovative programming, consistent with best learning practices. Each student enjoys equity of access to opportunities in an enriching environment that encourages the mastery of skills and knowledge necessary at each grade level to meet or exceed high school graduation requirements. Working **collaboratively** with staff, parents, and the community we will support our students to become:

- **Self-directed learners** who create a positive vision for themselves and their future, set priorities and achievable goals, create options for themselves, monitor and evaluate their progress, and assume responsibility for their actions.
- **Collaborative workers** who use effective leadership and group skills to develop and manage interpersonal relationships within diverse groups and settings.
- **Complex thinkers** who identify, access, evaluate, integrate, and use available resources and information to reason, make decisions, and solve complex problems using higher order thinking.
- **Community contributors** who contribute their time, energies, and talents to improving the welfare of others and the quality of life in their diverse communities.
- **Quality producers** who create intellectual, artistic, practical, and physical products which reflect originality, high standards, and the use of appropriate advanced and traditional technologies.
- **Ethical decision-makers** who exemplify the principles of trustworthiness, respect, responsibility, integrity, fairness, caring and citizenship.



Our Values

Quality Education Includes:

- **Safety and Health**: Students and staff need a healthy and safe environment. In order for students to be successful, their emotional, social, physical, and academic needs must be met.
- **Resources**: A robust educational program requires access to state of the art facilities, equipment, and materials.
- **Respect**: We respect and honor the dignity and worth of ourselves, others, and our environment.
- **Responsibility**: Each person is responsible for what he or she says and does.
- **Courage**: Courage is required to grow, change, take risks, and make commitments.
- **Integrity**: Personal integrity develops as one attends to and becomes increasingly ethical in one's speech and actions.
- **Citizenship**: We are constructive and engaged citizens of our school, community, state, nation, and the world.
- **Collaboration**: The education of our students is a process involving the entire educational community: students, teachers, administrators, non-instructional staff, Board of Education, families, and the community at large.
- **Achievement**: Continuous growth and improvement occurs for students and staff when there is use of best practice, an articulated/aligned curriculum, and pertinent data; personal educational success requires investment and ownership.
- **Recognition**: Acknowledging and celebrating successes, large and small, nurtures growth and a sense of community.

What is Educational Assessment?

- It is a special kind of evidentiary argument.
- Assessment is about reasoning from a handful of particular things students say, do, or make, to more broadly cast valid and reliable inferences about what they know, have accomplished, or are apt to do in the future.



Why conduct educational assessment?

- To guide the process of improving and changing education
- To determine success of:
 - Individuals
 - Programs
 - Instruction
 - Identified Groups
- Accountability: **Summative Assessment**
 - **Districts are mandated to use assessment data to evaluate teachers and principals**
- Information to guide intervention and policy decision-making
- District and school level information about achievements, improvement with respect to specific goals, and areas needing improvement: **Formative Assessment**
- Individual student information about achievement with respect to various goals set by the district



Demographic Data

	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
All Students	1150	1209	1096	1102	1098	1096
Economically Disadvantaged	142 12%	121 10%	129 18%	161 15%	186 17%	230 21%
Students with Disabilities	128	118	112	113	110	123 11%
English Language Learners	15	17	13	12	20	19 2%
Hispanics	64	74	71	74	74	74 7%



3-8 ELA Assessments Proficiency

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Grade 3	63%	31%	36%	42%	46%
Grade 4	64%	34%	54%	43%	50%
Grade 5	69%	41%	41%	30%	31%
Grade 6	73%	48%	51%	40%	30%
Grade 7	79%	58%	49%	56%	54%
Grade 8	66%	58%	55%	57%	57%



3-8 Math Assessments Proficiency

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Grade 3	62%	37%	39%	53%	45%
Grade 4	75%	38%	45%	49%	44%
Grade 5	73%	36%	37%	39%	41%
Grade 6	81%	46%	59%	50%	53%
Grade 7	83%	52%	38%	60%	51%
Grade 8	80%	60%	44%	36%	37%



Student Achievement Comparison General Education/Special Education ELA 2015-16

	All Students/Proficiency Totals	General Education Only	Special Education Only
Grade 3	61 students/46%	56 students/48%	5 students/20%
Grade 4	62 students/50%	58 students/*	4 students/*
Grade 5	64 students/31%	56 students/36%	8 students/0%
Grade 6	67 students/30%	57 students/33%	10 students/10%
Grade 7	70 students/54%	64 students/59%	6 students/0%
Grade 8	56 students/57%	54 students/*	2 students/*

Percentage may not total 100 due to rounding.
*data not available due to small "n" size



Student Achievement Comparison General Education/Special Education Mathematics 2015-16

	All Students/Proficiency Totals	General Education Only	Special Education Only
Grade 3	60 students/45%	55 students/45%	5 students/40%
Grade 4	59 students/44%	56 students/*	3 students/*
Grade 5	66 students/41%	58 students/47%	8 students/0%
Grade 6	64 students/53%	54 students/59%	10 students/20%
Grade 7	59 students/51%	54 students/56%	5 students/0%
Grade 8	38 students/37%	36 students/*	2 students/*

Percentage may not total 100 due to rounding.
*data not available due to small "n" size



Student Achievement Comparison General Education and other Student Groups ELA 2015-16

	Grade 3		Grade 4		Grade 5		Grade 6		Grade 7		Grade 8	
	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof
All Students	61	46%	62	50%	64	31%	67	30%	70	54%	56	57%
General Education	56	48%	58	*	56	36%	57	33%	64	59%	54	*
Students with Disabilities	5	20%	4	*	8	0%	10	10%	6	0%	2	*
Ethnicity												
American Indian	0	0%	0	0%	1	*	0	0%	0	0%	0	0%
Black	1	*	0	0%	2	*	0	0%	1	*	0	0%
Hispanic	7	*	4	*	7	14%	5	*	0	0%	3	*
Asian/Pacific Islander	1	*	3	*	1	*	1	*	4	*	0	0%
White	51	51%	54	54%	50	38%	61	30%	64	53%	53	*
Multiracial	1	*	1	*	3	*	0	0%	1	*	0	0%
Gender												
Female	32	56%	30	57%	29	34%	32	34%	37	76%	21	62%
Male	29	34%	32	44%	35	29%	35	26%	33	30%	35	54%
Language Proficiency												
LEP	3	*	2	*	0	0%	1	*	0	0%	1	*
Socioeconomic Status												
Economically Disadvantaged	16	31%	13	23%	20	10%	9	11%	13	31%	12	8%

*data not available due to small "n" size

Student Achievement Comparison General Education and Other Groups Mathematics 2015-16

	Grade 3		Grade 4		Grade 5		Grade 6		Grade 7		Grade 8	
	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof
All Students	60	45%	59	44%	66	41%	64	53%	59	51%	38	37%
General Education	55	45%	56	*	58	47%	54	59%	54	56%	36	*
Students with Disabilities	5	40%	3	*	8	0%	10	20%	5	0%	2	*
Demographics												
American Indian	0	0%	0	0%	1	*	0	0%	0	0%	0	0%
Black	1	*	0	0%	2	*	0	0%	0	0%	0	0%
Hispanic	7	*	4	*	7	29%	5	*	0	0%	3	*
Asian/Pacific Islander	2	*	3	*	1	*	1	*	4	*	0	0%
White	49	51%	51	45%	51	47%	58	57%	54	48%	35	*
Multiracial	1	*	1	*	4	*	0	0%	1	*	0	0%
Gender												
Female	31	45%	28	50%	30	33%	30	57%	33	61%	16	19%
Male	29	45%	31	39%	36	47%	34	50%	26	38%	22	50%
Other												
LEP	3	*	2	*	0	0%	1	*	0	0%	1	*
Economic Status												
Economically Disadvantaged	17	29%	9	33%	20	10%	9	22%	9	33%	9	22%

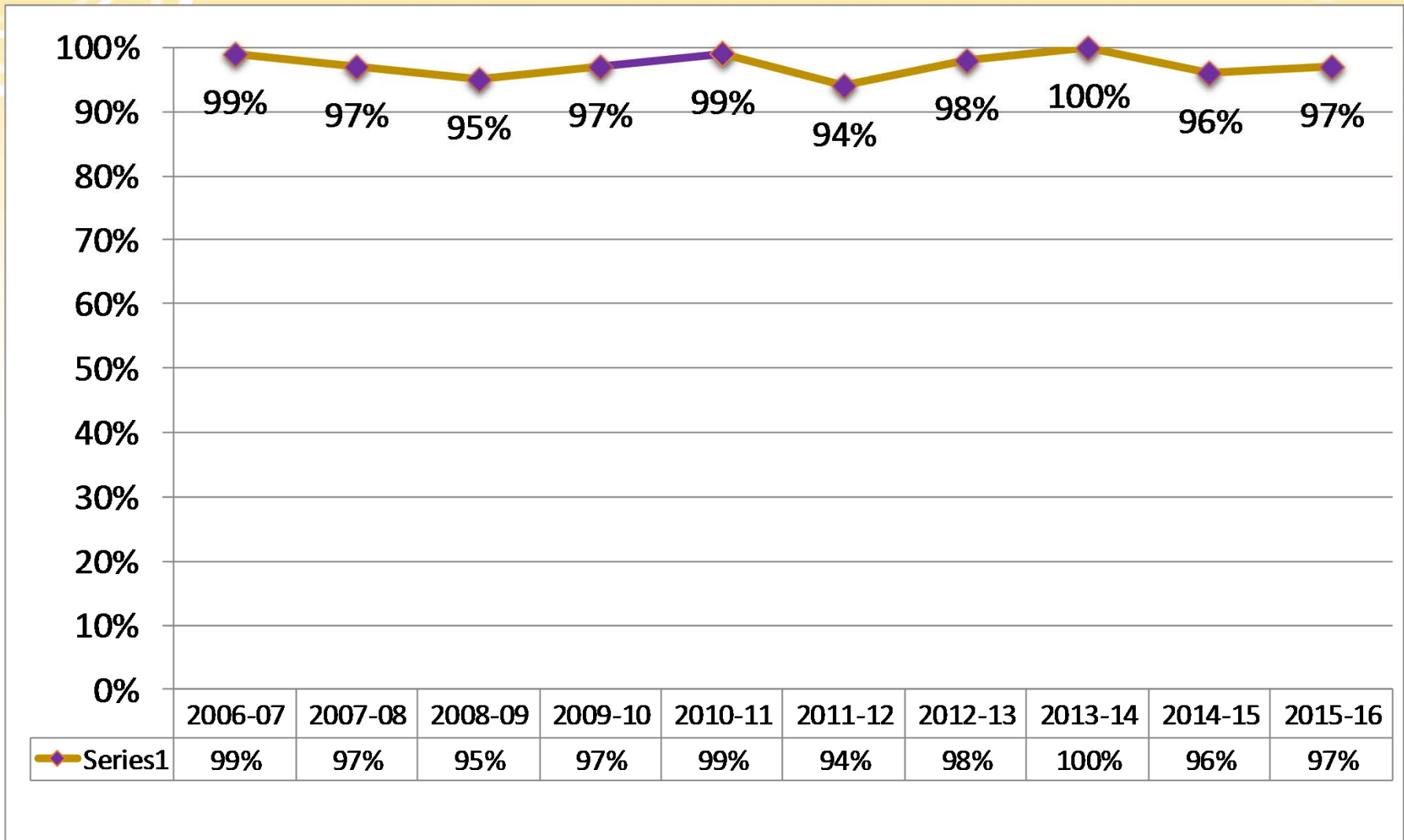
*data not available due to small "n" size

Science 4 and 8 Assessments Proficiency

	2011-12	2012-13	2013-14	2014-15	2015-16
Science 4	94%	98%	100%	96%	97%
Science 8	96%	92%	89%	86%	96%

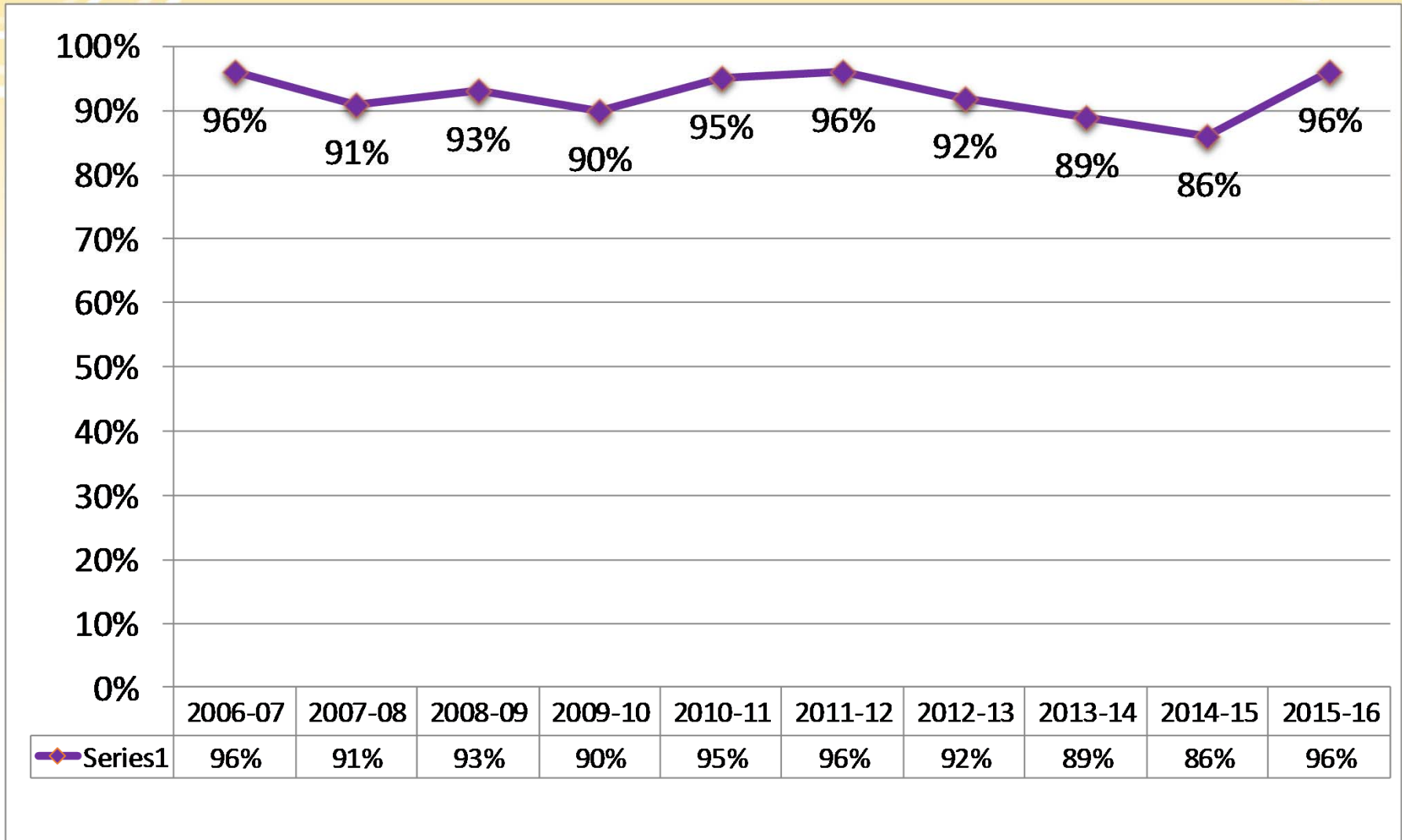


Trend Analysis - Grade Proficiency Science Grade 4



*Percentage may not total 100 due to rounding.

Trend Analysis - Grade Proficiency Science Grade 8



*Percentage may not total 100 due to rounding.

New York State Assessments 100% Proficiency Gap

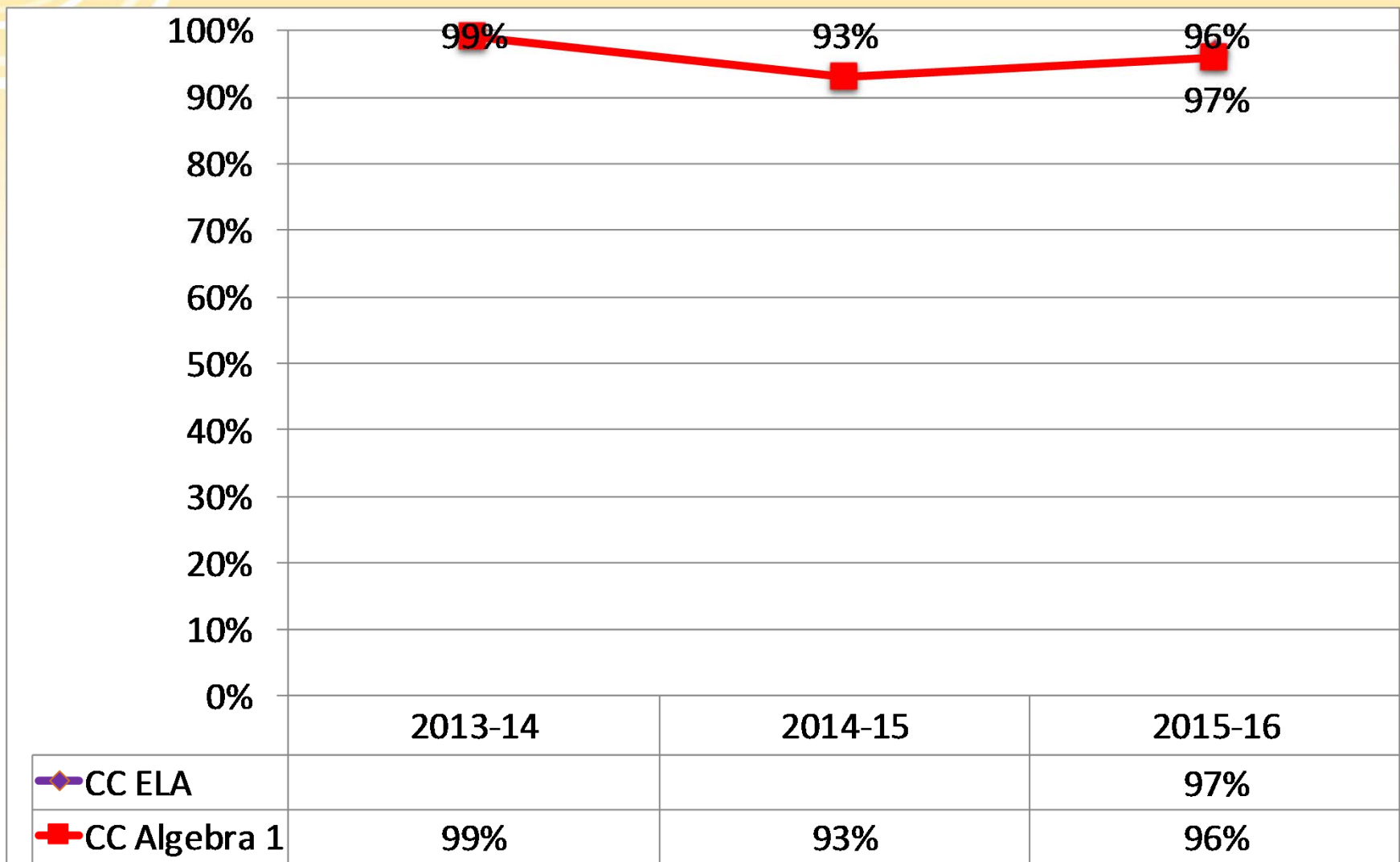
	2015-16	Gap	2016-17
English Language Arts	3: 46%	54%	100%
	4: 50%	50%	
	5: 31%	69%	
	6: 30%	70%	
	7: 54%	46%	
	8: 57%	43%	
Math	3: 45%	55%	100%
	4: 44%	56%	
	5: 41%	59%	
	6: 53%	47%	
	7: 51%	49%	
	8: 37%	63%	
Science	4: 97%	3%	100%
	8: 96%	4%	

Regents Proficiency

	2011-12	2012-13	2013-14	2014-15	2015-16
Algebra 2/Trig	64%	79%	71%	71%	70%
CC Algebra I			99%	93%	96%
CC Algebra II					98%
CC Geometry				100%	97%
Chemistry	100%	97%	67%	88%	92%
Earth Science	96%	79%	89%	84%	80%
ELA	95%	98%	95%	91%	
CC ELA					97%
Geometry	95%	98%	96%	99%	
Global History	90%	96%	93%	85%	90%
Integrated Algebra	93%	99%	99%	92%	
Living Environment	99%	100%	100%	97%	97%
Physics	96%	87%	94%	92%	98%
U.S. History	93%	97%	93%	98%	91%

Rhinebeck High School

Common Core ELA and Math Regents Exams



*Percentage may not total 100 due to rounding.

RHS Mean SAT Scores

	CR	M	WR	ERW	Total
National					
2011-12	496	514	488		1498
2012-13	496	514	488		1498
2013-14	497	513	487		1497
2014-15	495	511	484		1490
2015-16		544		551	1095
NY State					
2011-12	483	500	475		1458
2012-13	485	501	477		1463
2013-14	488	502	478		1468
2014-15	489	502	478		1469
2015-16		528		533	1061
Rhinebeck					
2011-12	572	559	560		1691
2012-13	566	549	557		1672
2013-14	564	562	557		1683
2014-15	558	557	542		1657
2015-16		564		588	1153

Rhinebeck Central School District

AP Exam Results 2016

AP Grade	Biology	Calc AB	Chemistry	ELA Composition	European History	French	Physics C Mech	Spanish	World History	US History	Total Grades	Total Percentages
5	3	8	1	7	1	0	3	5	3	8	39	20%
4	7	4	6	4	2	4	6	7	10	11	61	32%
3	5	1	6	4	4	9	1	4	19	13	66	35%
2	1	1	2	0	2	2	1	0	3	8	20	11%
1	0	0	0	0	0	0	0	0	0	4	4	2%
Total	16	14	15	15	9	15	11	16	35	44	190	100%

*Percentage may not total 100 due to rounding.

Advanced Placement

	2015-16	2014-15	2013-14	2012-13	2011-12
Biology AP	16	13	21	7	22
Level 1	0	0	0	0	1
Level 2	1	0	0	0	0
Level 3	5	5	3	2	0
Level 4	7	3	7	4	2
Level 5	3	5	11	1	19
Calc AB	14	16	20	23	22
Level 1	0	1	1	2	0
Level 2	1	2	3	0	4
Level 3	1	2	3	6	3
Level 4	4	4	4	3	3
Level 5	8	7	9	12	12
Chemistry	15	12	10	10	7
Level 1	0	0	0	1	0
Level 2	2	0	1	1	2
Level 3	6	6	2	1	3
Level 4	6	4	5	2	2
Level 5	1	2	2	5	0
ELA Comp	15	17	16	16	18
Level 1	0	0	0	0	0
Level 2	0	4	0	0	1
Level 3	4	2	4	3	2
Level 4	4	6	6	7	11
Level 5	7	5	6	6	4
Euro Hist	9	10	12	20	22
Level 1	0	2	2	4	2
Level 2	2	0	0	1	0
Level 3	4	5	5	11	13
Level 4	2	2	4	4	5
Level 5	1	1	1	0	2

	2015-16	2014-15	2013-14	2012-13	2011-12
French	15	8	8	9	11
Level 1	0	0	0	0	0
Level 2	2	1	2	2	1
Level 3	9	5	2	4	6
Level 4	4	1	4	2	2
Level 5	0	1	0	1	2
Physics C	11	14	9	10	12
Level 1	0	0	0	0	0
Level 2	1	1	0	0	2
Level 3	1	3	3	2	2
Level 4	6	6	0	4	3
Level 5	3	4	6	4	5
Spanish	16	13	12	18	14
Level 1	0	0	0	0	0
Level 2	0	1	1	3	4
Level 3	4	5	2	4	5
Level 4	7	6	7	6	1
Level 5	5	1	2	5	4
US Hist	44	31	25	31	39
Level 1	4	2	0	0	2
Level 2	8	7	9	6	15
Level 3	13	5	6	10	12
Level 4	11	9	7	11	7
Level 5	8	8	3	4	3
World Hist	35	39	26	23	29
Level 1	0	0	0	0	0
Level 2	3	6	2	3	2
Level 3	19	18	4	7	16
Level 4	10	10	10	6	8
Level 5	3	5	10	7	3

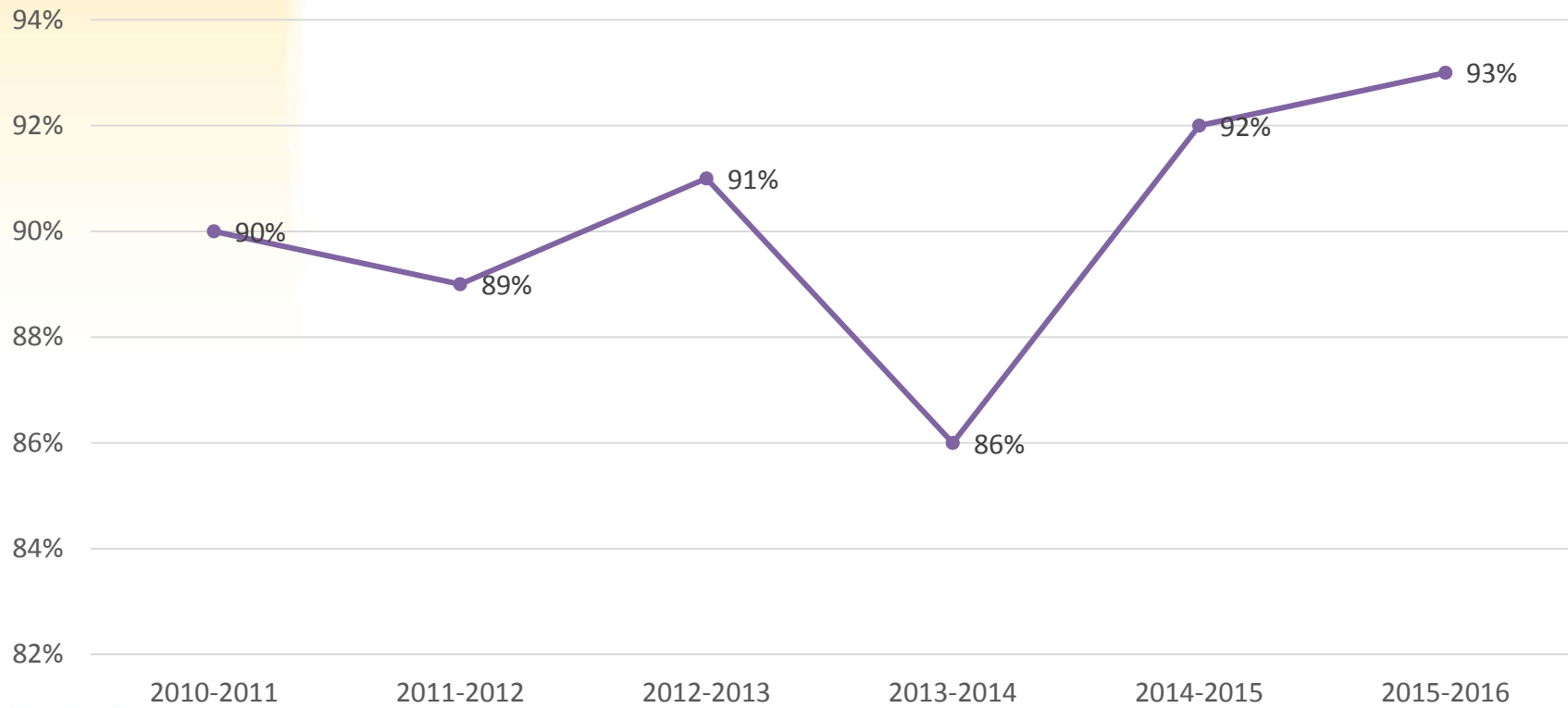
2-4 Post Graduate College Plans

	2011-12	2012-13	2013-14	2014-15	2015-16
2-Year College	34%	33%	22%	26%	31%
4-Year College	58%	60%	67%	66%	63%
Total	92%	93%	89%	92%	94%



RHS Graduation Rate

4-Year Cohort Grad Rate



—●— 4-Year Cohort Grad Rate



Rhinebeck High School

- Named as one of the nations Best High Schools by U.S. News and World Report at number 1109. In New York State, RHS was ranked 108.
- Named as one of “America’s Most Challenging High Schools” by Washington Post.
- 4-Year Cohort Graduation Rate = 93%
- College Attendance Rate = 94%
- AP Participation= 109 students in the high school and 190 AP exams were administered

Accountability Status

- Rhinebeck High School:
 - Reward High School
- Bulkeley Middle School:
 - Good Standing
- Chancellor Livingston Elementary School:
 - Good Standing



Positive Trends and Strengths

- Elementary Science results remain strong: 97%
- Elementary and Middle School Mathematics remains strong and improving.
- Middle School ELA continues to improve.
- Middle School Science results are strong: 96%
- Mathematics Regents Pass rates continue to be solid:

2011-12	2012-13	2013-14	2014-15	2015-16
Int. Algebra – 93% Geometry - 95%	Int. Algebra – 99% Geometry - 98%	Int. Algebra – 99% CC Algebra 1 – 99% Geometry – 96%	Int. Algebra – 92% CC Algebra I – 93% Geometry – 99% CC Geometry – 100%	Int. Algebra – * CC Algebra I – 96% CC Geometry – 97%

- English Regents Pass rates continue to be solid:

2011-12	2012-13	2013-14	2014-15	2015-16
95%	98%	95%	91%	CC ELA 97%

- Regents results in Global History, American History, Living Environment, Earth Science, Chemistry, Physics, and Foreign Language continue to be strong.
- High AP participation rate: 109 students in the high school and 190 AP exams were administered
- High participation in extra-curricular opportunities and Athletics
- 4-Year Cohort Graduation Rate remains high: 93%
- Post High School Outcomes remain high: 2 and 4 year college attendance rate: 94%

Successes to Celebrate



- Overall academic program is strong and effective K-12 across all disciplines as evidenced by the commencement data. The K-12 faculty, staff, administration and, most of all, the **STUDENTS** are to be commended for their well earned achievements.
- SAT scores compare favorably with State and National averages.
- District offers multiple opportunities for students in Academics, Arts, Athletics and extra curricular activities.
- Implemented PLTW at all three schools providing STEM opportunities to all students K-8 and two Engineering courses in the high school. Plan to offer PLTW AP Computer Science 17-18.
- Rhinebeck High School named on of the Best High Schools in the United States by U. S. News and World Report.
- Rhinebeck High School named a Reward High School by NYSED
- Rhinebeck High School named on of America's most challenging high schools by Washington Post.
- Bulkeley Middle School has been named a Reward Middle School
- Chancellor Livingston Elementary School named a School in Good Standing.

Opportunities for Growth

CDEP Process:

- K-12 **All** disciplines using multiple measures: Important to include the arts, physical education etc.
- Support and strengthen teaching emphasizing collaboration
- Support strong effective leadership
- Positive healthy and safe school climate that supports learning
- Continue to celebrate, recognize and acknowledge the successes that currently exist
- Create climates of high trust, high expectations, high support and collaboration
- Aspirational Goals of all students graduating college and career ready along with meeting the learner outcomes articulated in the M-V-CV by 2022.

Response to Intervention:

- Especially ensuring that all students have access to a guaranteed viable research supported curriculum and first teaching. Goal is to rule out instructional and curricular causes for lack of student achievement.
- Ensure the Special Education students and Low SES students are well supported

Curriculum Development:

- Horizontal and Vertical Alignment
 - Insist on consistency and transparency in practice
 - Support differentiation and developmentally appropriate challenge
- NYSED Learning Standards: Recently Revised
 - ELA, Math, Science, Social Studies, Arts and Technology
- Aligning all disciplines with 21st Century Standards
 - College and Career Ready
 - Internationally Benchmarked
 - District Learner Outcomes

Professional Development:

- K-12 Technology curriculum and PD aligned with ISTE Standards
- Align all curricular areas with NYSED Learning Standards:
- Align instruction and assessment with best practice
- Reinforce the important of professional learning and collaboration
- School Climate Initiatives: Measure the overall quality of school climate and culture



Contact Information:

Marvin L. Kreps

Director of Curriculum and Instruction

Rhinebeck Central School District

P.O. Box 351

Rhinebeck, New York

845-871-5570 x 5545

mkreps@rhinebeckcsd.org

