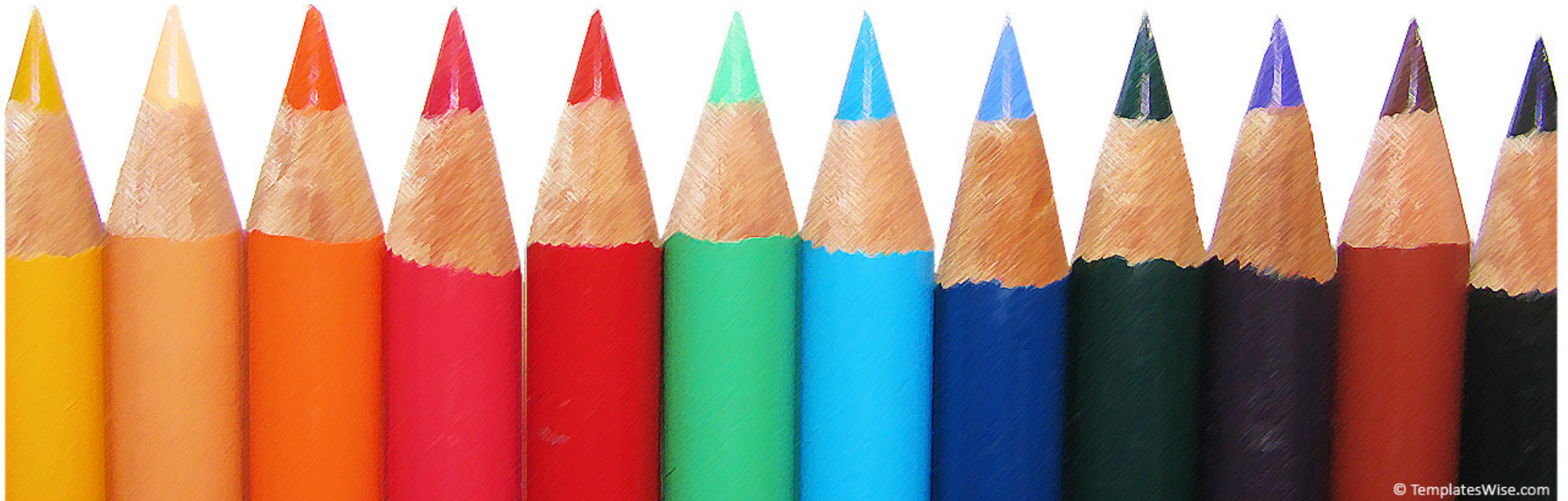


An Overview of Student Achievement Data And Regents Reform Agenda

**Rhinebeck Central School District
2012-2013 & 2013-2014
Presentation to the BOE
August 19, 2014**

Prepared by Marvin Kreps
Director of Curriculum and Instruction



Our Mission

The Rhinebeck Central School District
is an educational community that provides an
excellent learning environment
and is dedicated to the development of
every student's generosity of spirit,
passion for learning, and ultimate success.



Our Vision

- The Rhinebeck Central School District meets the changing needs of our community with courageous programming consistent with state standards and mindful of best learning practices.
- Each student enjoys an enriching experience while mastering the skills and knowledge to reach their maximum potential.
- We educate our students to become self-directed learners, complex thinkers, collaborative workers, quality producers, community contributors, and ethical decision-makers.





Our Values



- **Safety and Health:** Students and staff need a healthy and safe environment.
- **Resources:** A successful education program requires appropriate 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. Adults model this process.
- **Whole Child:** In order for students to be successful, their emotional, social, physical, and academic needs must be met.
- **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.
- **Student Achievement:** Continuous growth and improvement occur when there is use of best practices, an articulated/aligned curriculum and pertinent data.
- **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 now being 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



New York State Assessments 100% Proficiency Gap

	2013-14	Gap	2014-2015
English Language Arts	3: 36% 4: 54% 5: 41% 6: 51% 7: 49% 8: 55%	-64 -46 -59 -49 -51 -45	100%
Math	3: 39% 4: 45% 5: 37% 6: 59% 7: 38% 8: 44%	-61 -55 -63 -41 -62 -56	100%
Science	4: 100% 8: 89%	0 -11	100%

New York State Regents Exams - Percent Proficient 2014-2015 Gap

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	Gap for	2014-2015
ELA	98%	96%	94%	95%	98%	95%	-5%	100%
Integrated Algebra	97%	95%	95%	93%	99%	99%	-1%	100%
Algebra 2/Trig	N/A	76%	70%	64%	79%	71%	-29%	100%
Geometry	95%	100%	94%	95%	98%	96%	-4%	100%
Global	92%	83%	86%	90%	96%	93%	-7%	100%
U.S. History	94%	94%	96%	93%	97%	93%	-7%	100%
Earth Science	88%	93%	95%	96%	79%	89%	-11%	100%
Living Environment	96%	100%	99%	99%	100%	100%	0	100%
Chemistry	89%	95%	100%	100%	97%	67%	-33%	100%
Physics	94%	89%	100%	96%	87%	94%	-6%	100%

*Percentage may not total 100 due to rounding.

Rhinebeck High School Mean SAT Scores

	2009			2010			2011			2012			2013			2014		
	CR	M	WR	CR	M	WR	CR	M	WR	CR	M	WR	CR	M	WR	CR	M	WR
Rhinebeck	553	549	526	551	557	548	574	568	551	572	559	560	566	549	557	562	562	557
NY State	485	502	478	484	499	478	485	499	476	483	500	475	485	501	477	488	502	478
National	501	515	493	501	516	492	497	514	489	496	514	488	496	514	488	497	513	487



Rhinebeck Central School District

AP Exam Results 2014

AP Grade	Biology	Calc AB	Chemistry	ELA Composition	European History	French	Physics C Mech	Spanish	World History	US History	Total Grades	Total Percentages
5	11	9	2	6	1	0	6	2	10	3	50	31%
4	7	4	5	6	4	4	0	7	10	7	54	34%
3	3	3	2	4	5	2	3	2	4	6	34	21%
2	0	3	1	0	0	2	0	1	2	9	18	11%
1	0	1	0	0	2	0	0	0	0	0	3	2%
Total	21	20	10	16	12	8	9	12	26	25	159	99%

*Percentage may not total 100 due to rounding.

Rhinebeck High School

- Continues to be designated by the Washington Post as one of the top 5% of the High Schools in the country
- Based upon: graduation rate, college matriculation, AP exams to graduate ratio, average SAT scores, average AP scores, number of AP courses
- Graduation Rate: Yearly above 90%
- 2 and 4 Year College Attendance Rate: Yearly above 90%
- Designated a Reward School by SED.
 - Top 20% ELA/Math for 11/12 and 12/13
 - Graduation Rate above 80%
 - Above the state average for Regents with Advanced Designation
- Large Percentage of students taking AP exams score 3, 4 or 5. 86% in 2013 and 88% in 2014

Positive Trends and Strengths

- Elementary Science results remain strong: 100%
- Middle School Mathematics remains strong and improving. Compares favorably in the county.
- Middle School ELA is improving and compares favorably with the county schools.
- Middle School Science results are strong: 89%
- Mathematics Regents Pass rates continue to be solid: **Common Core Algebra Regents: 99% passed first time**

2009	2010	2011	2012	2013	2014
Int. Algebra – 97% Geometry – 95%	Int. Algebra – 95% Geometry - 100%	Int. Algebra – 96% Geometry - 96%	Int. Algebra – 93% Geometry - 95%	Int. Algebra- 99% Geometry- 98%	Int. Algebra – 99% Geometry- 96%

- English Regents Pass rates continue to be solid:

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
86%	97%	94%	91%	98%	97%	95%	95%	98%	95%

- Regents results in Global History, American History, Living Environment, Earth Science, Physics, and Foreign Language continue to be strong.



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.
- Middle School Math continues to be comparatively strong: Maintaining either first or second position in the county.
- Middle School ELA continues to be strong with proficiencies highest in the county grades 6, 7 and 8.
- SAT scores continue to compare very favorably with State and National Mean Scores
- District offers multiple opportunities for students in Academics, Arts, Athletics and extra curricular activities with high participation rates.
- Rhinebeck High School made the Newsweek Challenge Index List of top 2,000 high schools in the country.
- Rhinebeck High School is designated as a Reward School by SED.
- AP Exam participation and scores continue to be favorable.

Opportunities for Growth

CDEP Process/Data Informed Decisions/Continuous Improvement:

- K-12 All disciplines using multiple measures
- Strengthen teaching: New Teaching Standards and new APPR Regulations
- Strong effective leadership: ISLLC Standards and new APPR Regulations
- Positive healthy and safe school climate that supports learning and the development of the Whole Child: Is not just about the test scores.
- Continue to celebrate, recognize and acknowledge the successes that currently exist
- Create climates of high trust, high expectations, high support that supports collaborative cultures with shared professional norms.

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

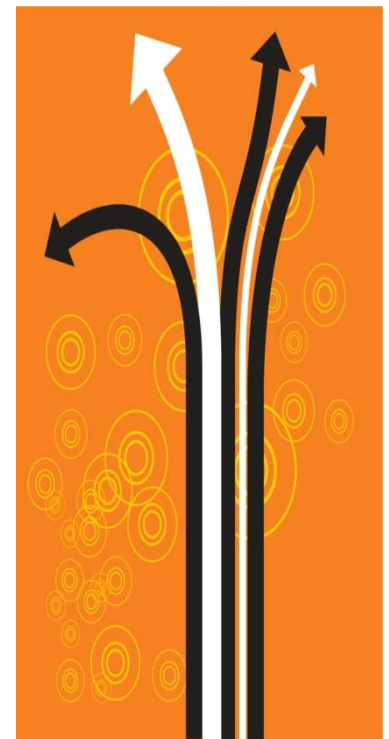
Curriculum Development:

- Educationally Sound Curriculum Governance
- Horizontal and Vertical Alignment
 - Insist on consistency and transparency in practice
- Common Core Learning Standards
 - ELA, Math, Science, Social Studies, and Technology
- Aligning all disciplines with 21st Century Standards
 - College and Career Ready
 - Internationally Benchmarked

Educationally Sound Use of Assessment:

Professional Development:

- K-12 Technology curriculum and PD aligned with ISTE Standards
- Align all curricular areas with Common Core Learning Standards
- Align practice with Instructional Shifts
- School Climate Initiatives: Measure the overall quality of school climate and culture



New York State Assessments 3-8 Percent Proficient

	2006- 2007	2007- 2008	2008- 2009	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014
English Language Arts	3: 82% 4: 82% 5: 82% 6: 83% 7: 72% 8: 79%	3: 73% 4: 80% 5: 92% 6: 84% 7: 86% 8: 72%	3: 85% 4: 78% 5: 94% 6: 93% 7: 89% 8: 81%	3: 72% 4: 78% 5: 71% 6: 71% 7: 70% 8: 73%	3: 68% 4: 71% 5: 73% 6: 80% 7: 70% 8: 69%	3: 63% 4: 64% 5: 69% 6: 73% 7: 79% 8: 66%	3: 31% 4: 34% 5: 41% 6: 48% 7: 58% 8: 58%	3: 36% 4: 54% 5: 41% 6: 51% 7: 49% 8: 55%
Math	3: 93% 4: 92% 5: 79% 6: 87% 7: 86% 8: 87%	3: 92% 4: 90% 5: 92% 6: 88% 7: 95% 8: 89%	3: 96% 4: 88% 5: 91% 6: 95% 7: 92% 8: 92%	3: 64% 4: 78% 5: 70% 6: 83% 7: 86% 8: 74%	3: 65% 4: 79% 5: 81% 6: 84% 7: 86% 8: 91%	3: 62% 4: 75% 5: 73% 6: 81% 7: 83% 8: 80%	3: 37% 4: 38% 5: 36% 6: 46% 7: 52% 8: 60%	3: 39% 4: 45% 5: 37% 6: 59% 7: 38% 8: 44%
Science	4: 99% 8: 96%	4: 97% 8: 91%	4: 95% 8: 92%	4: 97% 8: 90%	4: 99% 8: 95%	4: 94% 8: 96%	4: 98% 8: 92%	4: 100% 8: 89%

*Percentage may not total 100 due to rounding.

New York State Assessments ELA Grade 3-8 2012-13

Student Performance Level	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Level 4	7%	14%	17%	28%	32%	28%
Level 3	24%	19%	23%	20%	26%	30%
Level 2	39%	45%	30%	39%	27%	31%
Level 1	30%	22%	29%	13%	15%	11%
% Proficient*	31%	34%	41%	48%	58%	58%
Students Tested	70	83	86	94	95	93

*Percentage may not total 100 due to rounding.

New York State Assessments ELA Grade 3-8 2013-14

Student Performance Level	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Level 4	1%	18%	11%	26%	11%	23%
Level 3	34%	35%	31%	26%	38%	33%
Level 2	30%	32%	34%	36%	32%	33%
Level 1	34%	14%	25%	12%	19%	12%
% Proficient*	36%	54%	41%	51%	49%	55%
Students Tested	70	65	85	74	96	101

*Percentage may not total 100 due to rounding.

Student Achievement Comparison General Education/Special Education ELA 2012-13

	All Students/Proficiency Totals	General Education Only	Special Education Only
Grade 3	70 students/31%	64 students /34%	6 students /0%
Grade 4	83 students/34%	76 students/37%	7 students/0%
Grade 5	86 students/41%	73 students/48%	13 students/0%
Grade 6	94 students/48%	82 students/55%	12 students/0%
Grade 7	95 students/58%	80 students/69%	15 students/0%
Grade 8	93 students/58%	81 students/65%	12 students/8%

*Percentage may not total 100 due to rounding.

Student Achievement Comparison General Education/Special Education ELA 2013-14

	All Students/Proficiency Totals	General Education Only	Special Education Only
Grade 3	70 students/36%	62 students/39%	8 students/13%
Grade 4	65 students/54%	60 students/58%	5 students/0%
Grade 5	85 students/41%	75 students/47%	10 students/0%
Grade 6	74 students/51%	66 students/58%	8 students/0%
Grade 7	96 students/49%	83 students/55%	13 students/8%
Grade 8	101 students/55%	84 students/67%	17 students/0%

*Percentage may not total 100 due to rounding.

New York State Assessments Mathematics Grade 3-8 2012-13

Student Performance Level	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Level 4	16%	12%	6%	20%	9%	20%
Level 3	21%	26%	30%	26%	43%	40%
Level 2	40%	34%	25%	39%	34%	32%
Level 1	23%	28%	39%	15%	14%	8%
% Proficient*	37%	38%	36%	46%	52%	60%
Students Tested	70	82	84	93	96	93

*Percentage may not total 100 due to rounding.

New York State Assessments Mathematics Grade 3-8 2013-14

Student Performance Level	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Level 4	10%	7%	12%	41%	11%	11%
Level 3	29%	37%	25%	18%	27%	33%
Level 2	36%	42%	36%	32%	44%	41%
Level 1	25%	13%	27%	9%	18%	15%
% Proficient*	39%	45%	37%	59%	38%	44%
Students Tested	70	82	84	93	96	93

*Percentage may not total 100 due to rounding.

Student Achievement Comparison General Education/Special Education Mathematics 2012-13

	All Students/Proficiency Totals	General Education Only	Special Education Only
Grade 3	70 students/37%	64 students/41%	6 students/0%
Grade 4	82 students/ 38%	75 students/41%	7 students/0%
Grade 5	84 students/36%	71 students/41%	13 students/8%
Grade 6	93 students/46%	81 students/53%	12 students/0%
Grade 7	96 students/52%	81 students/62%	15 students/0%
Grade 8	93 students/60%	81 students/68%	12 students/8%

*Percentage may not total 100 due to rounding.

Student Achievement Comparison General Education/Special Education Mathematics 2013-14

	All Students/Proficiency Totals	General Education Only	Special Education Only
Grade 3	72 students/39%	64 students/44%	8 students/0%
Grade 4	67 students/45%	62 students/47%	5 students/20%
Grade 5	84 students/37%	75 students/41%	9 students/0%
Grade 6	68 students/59%	63 students/62%	5 students/20%
Grade 7	95 students/38%	82 students/44%	13 students/0%
Grade 8	81 students/44%	64 students/55%	17 students/6%

*Percentage may not total 100 due to rounding.

New York State Assessments Science Grade 4

Student Performance Level	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Level 4	69%	65%	82%	83%	75%	74%	81%	82%
Level 3	30%	32%	13%	14%	24%	20%	16%	18%
Level 2	1%	3%	2%	3%	1%	5%	2%	0%
Level 1	0%	0%	3%	0%	0%	1%	0%	0%
% Proficient*	99%	97%	95%	97%	99%	94%	98%	100%
Students Tested	76	96	87	83	97	77	81	67

*Percentage may not total 100 due to rounding.

New York State Assessments Science Grade 8

Student Performance Level	2006-2007	2007-2008	2008 - 2009	2009 - 2010	2010-2011	2011-2012	2012-2013	2013-2014
Level 4	49%	49%	44%	64%	49%	43%	65%	54%
Level 3	48%	42%	48%	26%	45%	53%	28%	35%
Level 2	3%	9%	6%	9%	5%	3%	6%	9%
Level 1	0%	0%	1%	1%	0%	1%	1%	2%
% Proficient*	96%	91%	93%	90%	95%	96%	92%	89%
Students Tested	103	89	90	91	86	99	93	103

*Percentage may not total 100 due to rounding.

Student Achievement Comparison General Education and other Student Groups ELA 2012-13

	Grade 3		Grade 4		Grade 5		Grade 6		Grade 7		Grade 8	
	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof
All Students	70	31%	83	34%	86	41%	94	48%	95	58%	93	58%
General Education	64	34%	76	37%	73	48%	82	55%	80	69%	81	65%
Students with Disabilities	6	0%	7	0%	13	0%	12	0%	15	0%	12	8%
American Indian	0	-	0	-	0	-	0	-	0	-	0	-
Black	1	-	1	-	3	-	1	-	4	-	2	-
Hispanic	6	-	1	-	3	-	5	-	3	-	3	-
Asian/Pacific Islander	1	-	3	-	1	-	1	-	4	-	2	-
White	62	34%	77	34%	79	42%	87	51%	84	57%	86	57%
Multiracial	0	-	1	-	0	-	0	-	0	-	0	-
Female	35	46%	40	40%	36	33%	42	52%	52	67%	45	64%
Male	35	17%	43	28%	50	46%	52	44%	43	47%	48	52%
LEP	2	-	0	-	1	-	2	-	0	-	0	-
Economically Disadvantaged	10	10%	13	0%	16	19%	20	25%	17	29%	8	38%

Student Achievement Comparison General Education and Other Groups Mathematics 2012-13

	Grade 3		Grade 4		Grade 5		Grade 6		Grade 7		Grade 8	
	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof
All Students	70	37%	82	38%	84	36%	93	46%	96	52%	93	60%
General Education	64	41%	75	41%	71	41%	81	53%	81	62%	81	68%
Students with Disabilities	6	0%	7	0%	13	8%	12	0%	15	0%	12	8%
American Indian	0	-	0	-	0	-	0	-	0	-	0	-
Black	1	-	1	-	3	-	1	-	4	-	2	-
Hispanic	6	-	1	-	3	-	5	-	3	-	3	-
Asian/Pacific Islander	1	-	3	-	1	-	1	-	4	-	2	-
White	62	40%	76	38%	77	39%	86	48%	85	49%	86	58%
Multiracial	0	-	1	-	0	-	0	-	0	-	0	-
Female	35	34%	40	28%	35	29%	41	46%	53	57%	45	64%
Male	35	40%	42	48%	49	41%	52	46%	43	47%	48	56%
LEP	2	-	0	-	1	-	2	-	0	-	0	-
Economically Disadvantaged	10	0%	13	8%	15	20%	19	21%	17	29%	8	50%

New York State Assessments Rhinebeck High School ELA Regents

Student Perf. Level	68%		2006 2007		2007 2008		2008 2009		2009 2010		2010 2011		2011 2012		2012 2013		2013 2014	
	Level 4 85-100	54	53%	41	38%	37	43%	43	43%	52	48%	49	53%	65	68%	62	68%	53
Level 3 65-84	44	44%	61	56%	41	48%	56	55%	53	49%	39	42%	26	27%	27	30%	23	29%
Level 2 55-64	2	2%	4	4%	6	7%	0	0%	3	3%	3	3%	2	2%	2	2%	3	4%
Level 1 0-54	1	1%	3	3%	2	2%	2	2%	1	1%	2	2%	3	3%	0	0%	1	1%
% Proficient (Level 3+4)	98	97%	102	94%	78	91%	99	98%	105	97%	88	95%	91	95%	91	98%	76	95%

*Percentage may not total 100 due to rounding.

New York State Assessments Secondary Mathematics Integrated Algebra

Student Performance Level	2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014	
	Level 4 85-100	30	51%	38	41%	40	42%	44	46%	42	45%	49	54%	41
Level 3 65-84	29	49%	52	56%	50	53%	48	50%	45	48%	40	44%	52	55%
Level 2 55-64	0	0%	2	2%	5	5%	2	2%	4	4%	1	1%	1	1%
Level 1 0-54	0	0%	1	1%	0	0%	2	2%	2	2%	0	0%	0	0%
% Proficient Level 3+4	59	100%	90	97%	90	95%	92	96%	87	93%	90	99%	93	99%

*Percentage may not total 100 due to rounding.
Figure includes 8th grade students

New York State Assessments Secondary Mathematics Geometry

Student Performance Level	2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014	
	Level 4 85-100	32	50%	37	51%	33	46%	30	44%	29	49%	30
Level 3 65-84	29	45%	36	49%	35	49%	35	51%	29	49%	23	42%
Level 2 55-64	3	5%	0	0	3	4%	3	4%	1	2%	2	4%
Level 1 0-54	0	0	0	0	0	0%	0	0%	0	0%	0	0%
% Proficient Level 3+4	64	95%	73	100 %	68	95%	65	95%	59	98%	53	96%

*Percentage may not total 100 due to rounding.

Rhinebeck Central School District

AP Exam Results 2013

AP Grade	Biology	Calc AB	Chemistry	ELA Composition	European History	French	Physics C Mech	Spanish	World History	US History	Total Grades	Total Percentages
5	1	12	5	6	0	1	4	5	7	4	45	27%
4	4	3	2	7	4	2	4	6	6	11	49	29%
3	2	6	1	3	11	4	2	4	7	10	50	30%
2	0	0	1	0	1	2	0	3	3	6	16	10%
1	0	2	1	0	4	0	0	0	0	0	7	4%
Total	7	23	10	16	20	9	10	18	23	31	167	100%

*Percentage may not total 100 due to rounding.

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