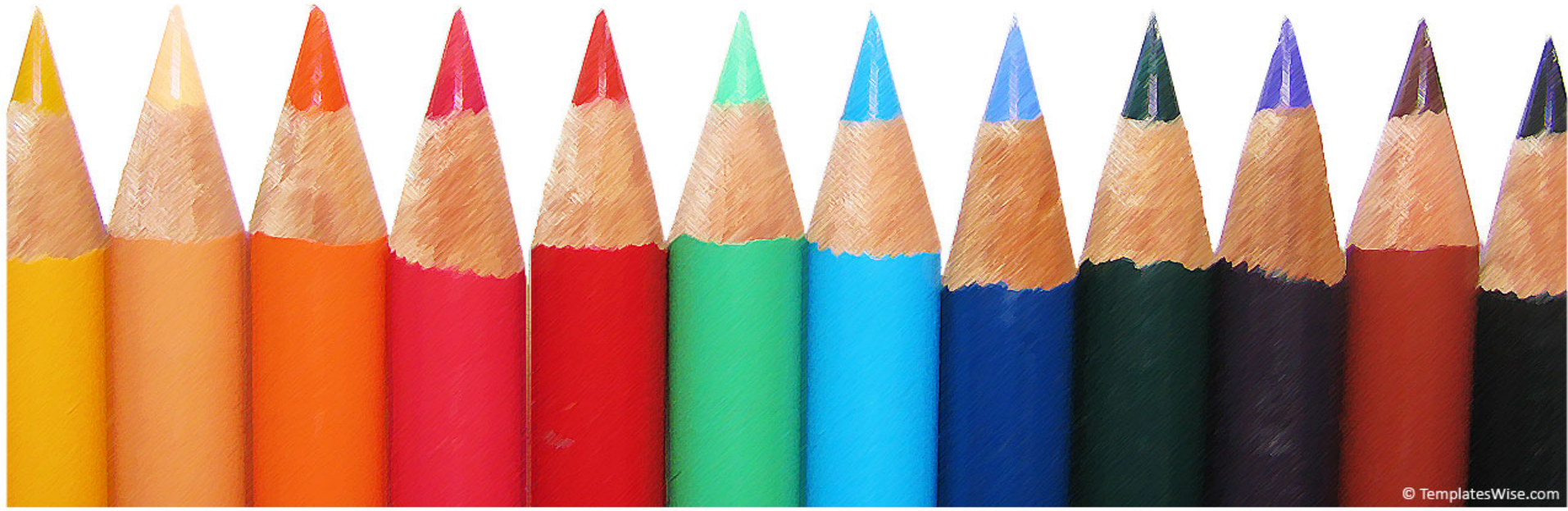


# **An Overview of Student Achievement Data And Regents Reform Agenda**

**Rhinebeck Central School District  
Presentation to the BOE  
2014-2015**

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

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>All Students</b>	1158	1150	1209	1096	1102	1098
<b>Economically Disadvantaged</b>	126 11%	142 12%	121 10%	129 18%	161 15%	186 17%
<b>Students with Disabilities</b>	161	128	118	112	113	110
<b>English Language Learners</b>	13	15	17	13	12	20
<b>Hispanics</b>	60	64	74	71	74	74



# 3-8 ELA Assessments Proficiency

	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Grade 3	68%	63%	31%	36%	42%
Grade 4	71%	64%	34%	54%	43%
Grade 5	73%	69%	41%	41%	30%
Grade 6	80%	73%	48%	51%	40%
Grade 7	70%	79%	58%	49%	56%
Grade 8	69%	66%	58%	55%	57%





# 3-8 Math Assessments Proficiency

	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Grade 3	65%	62%	37%	39%	53%
Grade 4	79%	75%	38%	45%	49%
Grade 5	81%	73%	36%	37%	39%
Grade 6	84%	81%	46%	59%	50%
Grade 7	86%	83%	52%	38%	60%
Grade 8	91%	80%	60%	44%	36%



# Student Achievement Comparison General Education/Special Education ELA 2014-15

	All Students/Proficiency Totals	General Education Only	Special Education Only
Grade 3	60 students/42%	55 students/45%	5 students/0%
Grade 4	72 students/43%	65 students/48%	7 students/0%
Grade 5	67 students/30%	60 students/33%	7 students/0%
Grade 6	75 students/40%	68 students/44%	7 students/0%
Grade 7	59 students/56%	56 students/59%	3 students/0%
Grade 8	83 students/57%	70 students/66%	13 students/8%

\*Percentage may not total 100 due to rounding.



# Student Achievement Comparison General Education/Special Education Mathematics 2014-15

	All Students/Proficiency Totals	General Education Only	Special Education Only
Grade 3	53 students/53%	49 students/57%	4 students/0%
Grade 4	72 students/49%	65 students/52%	7 students/14%
Grade 5	67 students/39%	60 students/42%	7 students/14%
Grade 6	66 students/50%	60 students/55%	6 students/0%
Grade 7	55 students/60%	53 students/62%	2 students/0%
Grade 8	67 students/36%	55 students/44%	12 students/0%

\*Percentage may not total 100 due to rounding.



# Student Achievement Comparison General Education and other Student Groups ELA 2014-15

	Grade 3		Grade 4		Grade 5		Grade 6		Grade 7		Grade 8	
	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof
<b>All Students</b>	60	42%	72	43%	67	30%	75	40%	59	56%	83	57%
<b>General Education</b>	55	45%	65	48%	60	33%	68	44%	56	59%	70	66%
<b>Students with Disabilities</b>	5	0%	7	0%	7	0%	7	0%	3	0%	13	8%
<b>Ethnicity</b>												
<b>American Indian</b>	0	--	1	100%	0	--	0	--	0	--	0	--
<b>Black</b>	0	--	2	0%	0	--	1	0%	0	--	0	--
<b>Hispanic</b>	4	0%	7	43%	6	0%	1	0%	3	33%	5	40%
<b>Asian/Pacific Islander</b>	3	33%	1	100%	1	100%	4	100%	0	--	1	100%
<b>White</b>	53	45%	59	42%	60	32%	67	39%	56	57%	76	57%
<b>Multiracial</b>	0	--	2	50%	0	--	2	0%	0	--	1	100%
<b>Gender</b>												
<b>Female</b>	27	48%	31	48%	34	44%	40	48%	22	59%	36	72%
<b>Male</b>	33	36%	41	39%	33	15%	35	31%	37	54%	47	45%
<b>Language Proficiency</b>												
<b>LEP</b>	2	0%	0	--	1	0%	0	--	1	0%	1	0%
<b>Economic Status</b>												
<b>Economically Disadvantaged</b>	10	20%	16	25%	9	0%	10	20%	12	25%	12	58%

# Student Achievement Comparison General Education and Other Groups Mathematics 2014-15

	Grade 3		Grade 4		Grade 5		Grade 6		Grade 7		Grade 8	
	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof	#	% Prof
<b>All Students</b>	53	53%	72	49%	67	39%	66	50%	55	60%	67	36%
<b>General Education</b>	49	57%	65	52%	60	42%	60	55%	53	62%	55	44%
<b>Students with Disabilities</b>	4	0%	7	14%	7	14%	6	0%	2	0%	12	0%
<b>Ethnicity</b>												
<b>American Indian</b>	0	--	1	0%	0	--	0	--	0	--	0	--
<b>Black</b>	0	--	2	0%	0	--	1	100%	0	--	0	--
<b>Hispanic</b>	4	25%	7	43%	6	0%	0	--	2	0%	5	20%
<b>Asian/Pacific Islander</b>	2	50%	1	100%	1	100%	4	100%	0	--	1	0%
<b>White</b>	47	55%	59	51%	60	42%	59	47%	53	62%	61	38%
<b>Multiracial</b>	0	--	2	50%	0	--	2	0%	0	--	0	--
<b>Gender</b>												
<b>Female</b>	24	50%	31	45%	34	38%	35	60%	20	45%	29	34%
<b>Male</b>	29	55%	41	51%	33	39%	31	39%	35	69%	38	37%
<b>Other</b>												
<b>LEP</b>	2	0%	0	--	1	0%	0	--	0	--	1	0%
<b>Other</b>												
<b>Economically Disadvantaged</b>	9	44%	16	25%	9	11%	8	25%	11	45%	11	36%

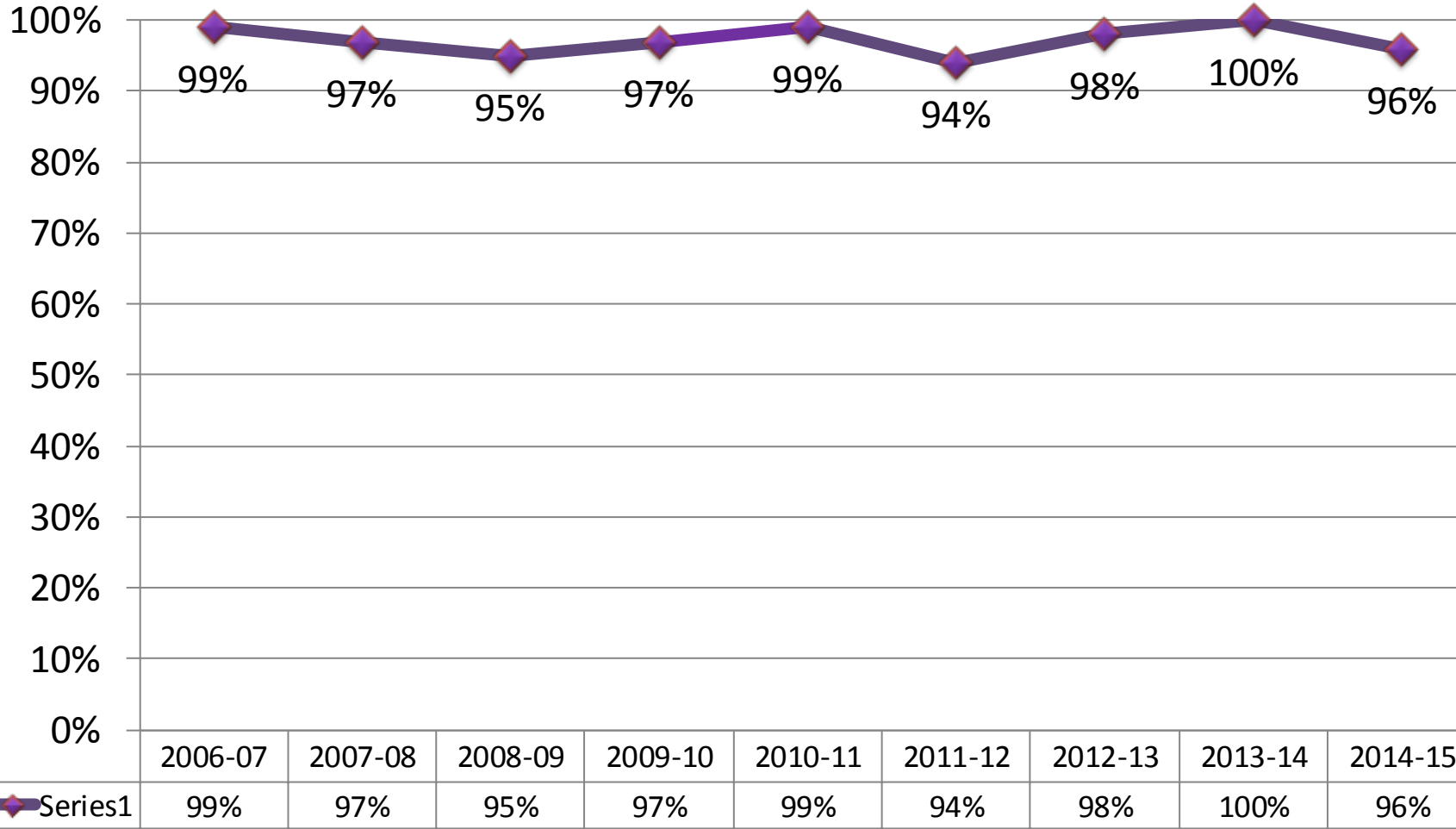
# Science 4 and 8 Assessments Proficiency

	2010-11	2011-12	2012-13	2013-14	2014-15
Science 4	99%	94%	98%	100%	96%
Science 8	95%	96%	92%	89%	86%



# Trend Analysis - Grade Proficiency

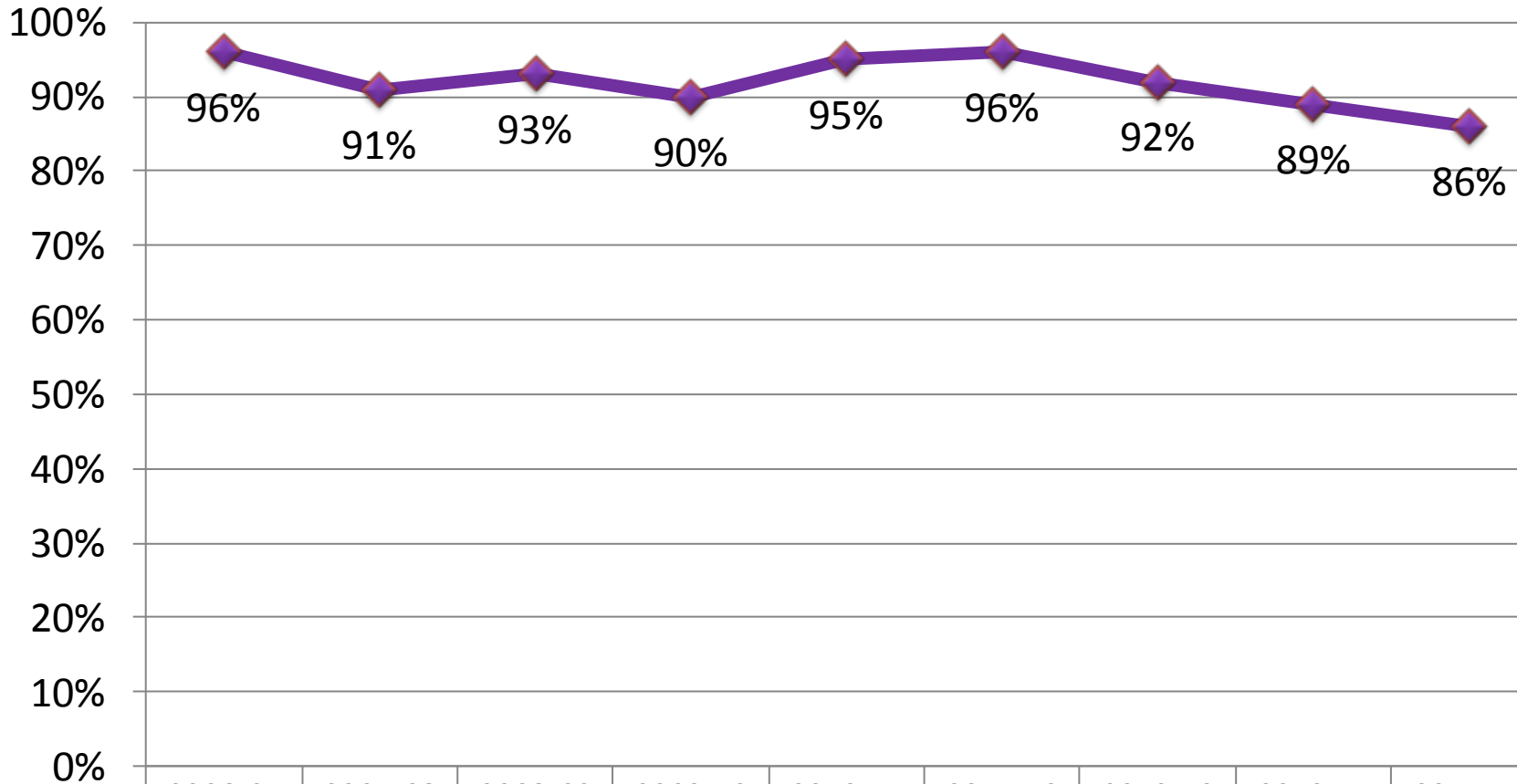
## Science Grade 4



\*Percentage may not total 100 due to rounding.

# Trend Analysis - Grade Proficiency

## Science Grade 8



Series1	96%	91%	93%	90%	95%	96%	92%	89%	86%
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\*Percentage may not total 100 due to rounding.



# New York State Assessments

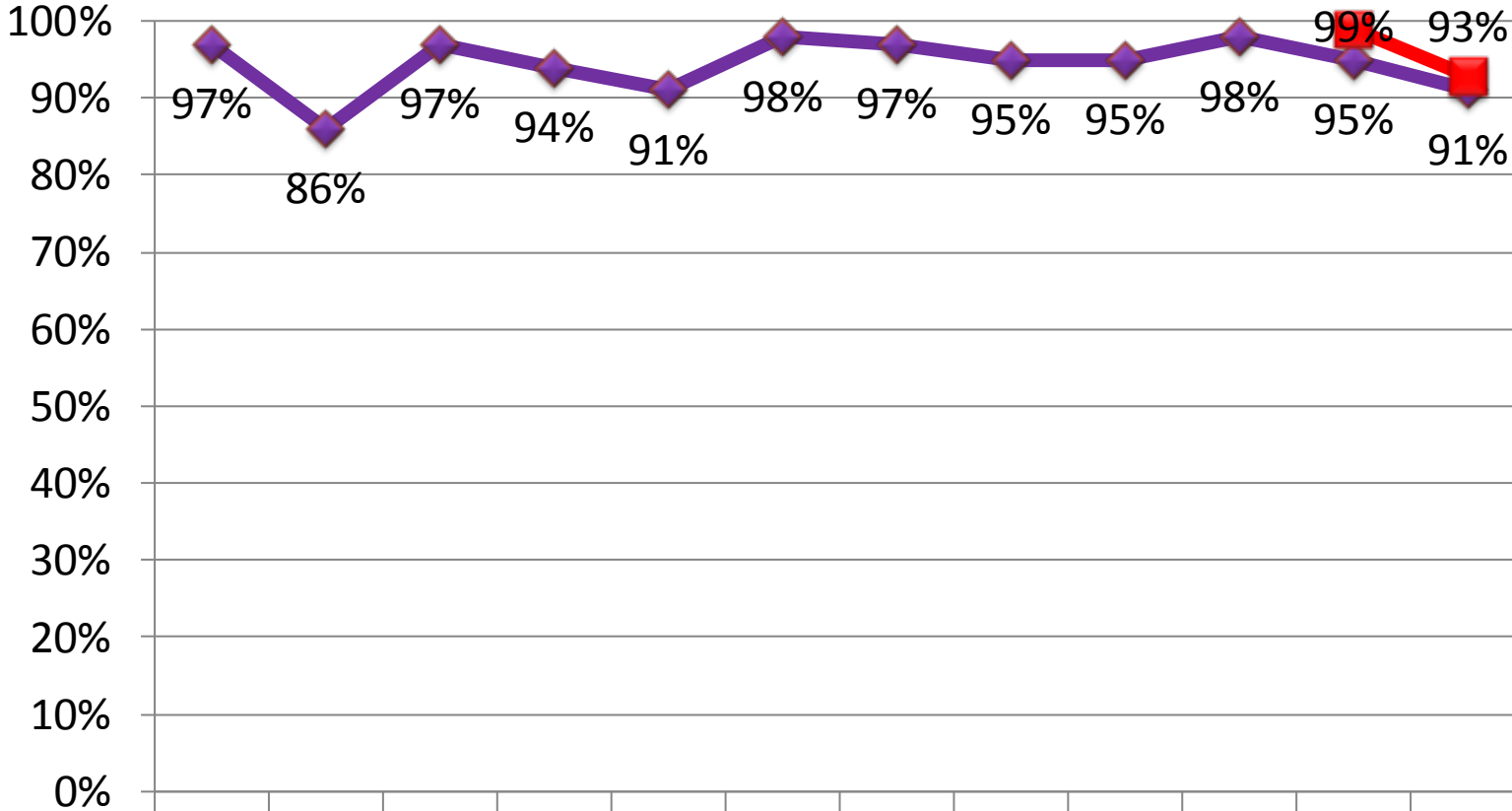
## 100% Proficiency Gap

	2014-15	Gap	2015-16
English Language Arts	3: 42%	-58	100%
	4: 43%	-57	
	5: 30%	-70	
	6: 40%	-60	
	7: 56%	-44	
	8: 57%	-43	
Math	3: 53%	-47	100%
	4: 49%	-51	
	5: 39%	-61	
	6: 50%	-50	
	7: 60%	-40	
	8: 36%	-64	
Science	4: 96%	-4	100%
	8: 86%	-14	

# Regents Proficiency

	2010-11	2011-12	2012-13	2013-14	2014-15
<b>Algebra 2/Trig</b>	70%	64%	79%	71%	71%
<b>CC Algebra I</b>				99%	93%
<b>CC Geometry</b>					100%
<b>Chemistry</b>	100%	100%	97%	67%	88%
<b>Earth Science</b>	95%	96%	79%	89%	84%
<b>ELA</b>	94%	95%	98%	95%	91%
<b>Geometry</b>	94%	95%	98%	96%	99%
<b>Global</b>	86%	90%	96%	93%	85%
<b>Integrated Algebra</b>	96%	93%	99%	99%	92%
<b>Living Environment</b>	99%	99%	100%	100%	97%
<b>Physics</b>	100%	96%	87%	94%	92%
<b>U.S. History</b>	96%	93%	97%	93%	98%

# Rhinebeck High School ELA Regents Exams



◆ ELA

■ CC Algebra 1

\*Percentage may not total 100 due to rounding.

# RHS Mean SAT Scores

	CR	M	WR	Total
<b>National</b>				
2010-11	497	514	489	1500
2011-12	496	514	488	1498
2012-13	496	514	488	1498
2013-14	497	513	487	1497
2014-15	495	511	484	1490
<b>NY State</b>				
2010-11	485	499	476	1460
2011-12	483	500	475	1458
2012-13	485	501	477	1463
2013-14	488	502	478	1468
2014-15	489	502	478	1469
<b>Rhinebeck</b>				
2010-11	574	568	551	1693
2011-12	572	559	560	1691
2012-13	566	549	557	1672
2013-14	564	562	557	1683
2014-15	558	557	542	1657

# Rhinebeck Central School District

## AP Exam Results 2015

AP Grade	Biology	Calc AB	Chemistry	ELA Composition	European History	French	Physics C Mech	Spanish	World History	US History	Total Grades	Total Percentages
5	5	7	2	5	1	1	4	1	5	8	39	23%
4	3	4	4	6	2	1	6	6	10	9	51	29%
3	5	2	6	2	5	5	3	5	18	5	56	32%
2		2		4		1	1	1	6	7	22	13%
1		1			2					2	5	3%
<b>Total</b>	13	16	12	17	10	8	14	13	39	31	173	100%

\*Percentage may not total 100 due to rounding.

# Advanced Placement

	2014-15	2013-14	2012-13	2011-12	2010-11
Biology AP	13	21	7	22	10
Level 1	0	0	0	1	0
Level 3	5	3	2	0	2
Level 4	3	7	4	2	4
Level 5	5	11	1	19	4
Calc AB	16	20	23	22	27
Level 1	1	1	2	0	5
Level 2	2	3	0	4	1
Level 3	2	3	6	3	5
Level 4	4	4	3	3	6
Level 5	7	9	12	12	10
Chemistry	12	10	10	7	19
Level 1	0	0	1	0	3
Level 2	0	1	1	2	3
Level 3	6	2	1	3	8
Level 4	4	5	2	2	1
Level 5	2	2	5	0	4
ELA Comp	17	16	16	18	16
Level 2	4	0	0	1	0
Level 3	2	4	3	2	1
Level 4	6	6	7	11	9
Level 5	5	6	6	4	6
Euro Hist	10	12	20	22	17
Level 1	2	2	4	2	5
Level 2	0	0	1	0	1
Level 3	5	5	11	13	7
Level 4	2	4	4	5	3
Level 5	1	1	0	2	1

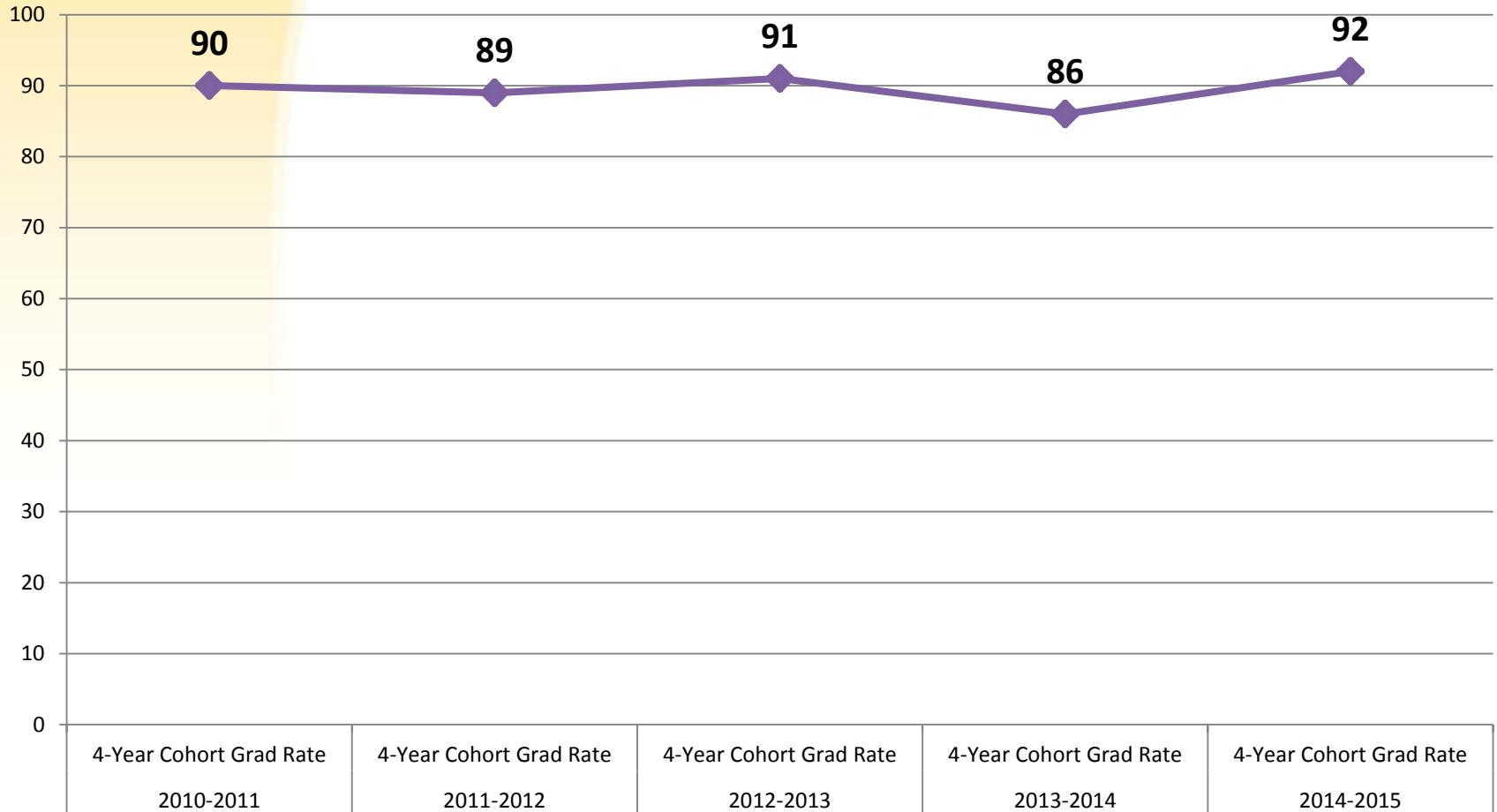
	2014-15	2013-14	2012-13	2011-12	2010-11
French	8	8	9	11	7
Level 2	1	2	2	1	0
Level 3	5	2	4	6	4
Level 4	1	4	2	2	2
Level 5	1	0	1	2	1
Physics C	14	9	10	12	15
Level 1	0	0	0	0	1
Level 2	1	0	0	2	1
Level 3	3	3	2	2	3
Level 4	6	0	4	3	8
Level 5	4	6	4	5	2
Spanish	13	12	18	14	17
Level 1	0	0	0	0	3
Level 2	1	1	3	4	1
Level 3	5	2	4	5	7
Level 4	6	7	6	1	3
Level 5	1	2	5	4	3
US Hist	31	25	31	39	0
Level 1	2	0	0	2	0
Level 2	7	9	6	15	0
Level 3	5	6	10	12	0
Level 4	9	7	11	7	0
Level 5	8	3	4	3	0
World Hist	39	26	23	29	28
Level 2	6	2	3	2	3
Level 3	18	4	7	16	8
Level 4	10	10	6	8	10
Level 5	5	10	7	3	7

## 2-4 Post Graduate College Plans

	2010-11	2011-12	2012-13	2013-14	2014-15
2-Year College	29%	34%	33%	22%	26%
4-Year College	61%	58%	60%	67%	66%
Total	90%	92%	93%	89%	92%



# RHS Graduation Rate





# Rhinebeck High School

- Named as one of the nations Best High Schools by U.S. News and World Report at number 810 and was awarded their Silver Medal. In New York State, RHS was ranked 85.
- Named as one of “America’s Most Challenging High Schools” by Washington Post. In New York State, RHS was ranked 88.
- 4-Year Cohort Graduation Rate = 92%
- College Attendance Rate = 92%
- AP Participation= 389 students in the high school and 173 AP exams were administered

# Accountability Status

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



# Positive Trends and Strengths

- Elementary Science results remain strong: 96%
- Elementary and Middle School Mathematics remains strong and improving.
- Middle School ELA continues to improve.
- Middle School Science results are strong: 86%
- Mathematics Regents Pass rates continue to be solid:

2010-11	2011-12	2012-13	2013-14	2014-15
Int. Algebra – 96% Geometry - 94%	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%

- English Regents Pass rates continue to be solid:

2010-11	2011-12	2012-13	2013-14	2014-15
94%	95%	98%	95%	91%

- Regents results in Global History, American History, Living Environment, Earth Science, Chemistry, Physics, and Foreign Language continue to be strong.
- High AP participation rate: 389 students in the high school and 173 AP exams were administered
- High participation in extra-curricular opportunities and Athletics
- 4-Year Cohort Graduation Rate remains high: 92%
- Post High School Outcomes remain high: 2 and 4 year college attendance rate: 92%

# 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.
- Rhinebeck High School named one 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 one of America's most challenging high schools by Washington Post.
- Bulkeley Middle School named a Reward Middle School
- Chancellor Livingston Elementary School named a School in Good Standing.

# Opportunities for Growth

## **CDEP Process/Data Informed Decisions/Continuous Improvement:**

- K-12 **All** disciplines using multiple measures: Important to include the arts, physical education etc.
- Support and strengthen teaching
- 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:**

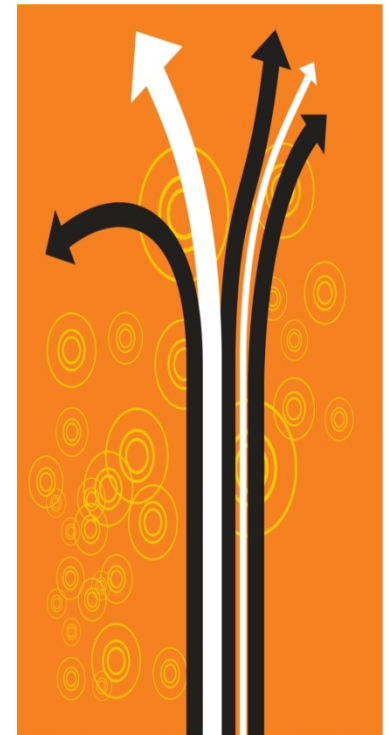
- Especially ensuring that all students have access to a guaranteed viable research supported curriculum and first teaching. Goal is to rule out instructional and curricular causes for lack of student achievement.
- Ensure the Special Education students and Low SES students are well supported

## **Curriculum Development:**

- Horizontal and Vertical Alignment
  - Insist on consistency and transparency in practice
  - Support differentiation and developmentally appropriate challenge
- NYSED Learning Standards: Currently under review
  - ELA, Math, Science, Social Studies, Arts and Technology
- Aligning all disciplines with 21<sup>st</sup> 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



# Review and Implementation Timeline



2016

2019



## ELA and Mathematics Standards, Curriculum, and Assessment Implementation

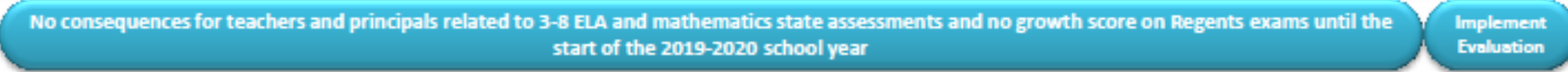


## Institutional Evaluation



\*2019-2020 will be baseline year for student assessments. To the extent consistent with Federal and State law, SED will seek to mitigate the use of state assessments for making high stakes institutional accountability determinations during the transition period to the new state assessments.

## Teacher and Principal Evaluation



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