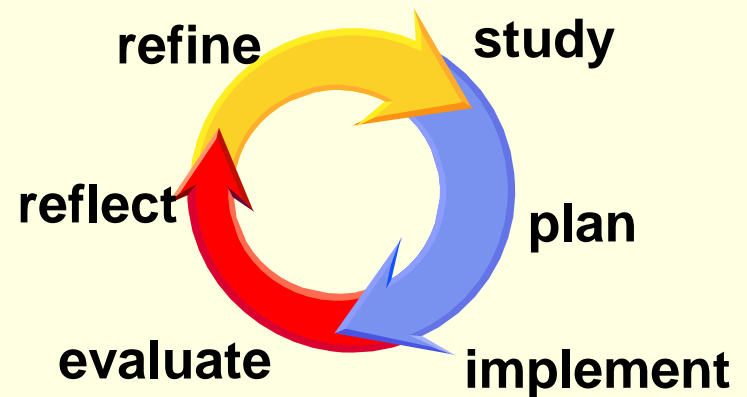


# Byram Hills School District

## Assessment Report for the NYS Testing Program 2011-2012

*Dr. Tim Kaltenecker*  
*September 24, 2012*



# Continuous Improvement Framework

## ■ Study and Plan

- The 2012-2013 state assessments for grades 3 – 8 ELA and mathematics will be aligned to the Common Core Standards. We will review test samples once available and prepare for implementation of the new assessments.
- Prepare for the new standards alignment to curriculum in grades 9 – 12 for next school year.

## ■ Implement

- The K-8 Curriculum was revised over the past two years to align with the new Common Core Learning Standards in English Language Arts & Literacy and mathematics. Lessons aligned to the new standards were piloted last year and full implementation occurs this year.
- The local assessment system using performance-based assessments are implemented across many grades and courses.

## ■ Evaluate

- We will review the impact of the new curriculum on student achievement using local and state assessment data, and identify areas of strength and areas for improvement in curriculum and instruction.

## ■ Reflect

- Articulation meetings will occur across grades and buildings to review student data and curriculum based on the evaluation of student learning.

## ■ Revise/Refine

- Make appropriate adjustments to curriculum and instruction based upon the evaluation and reflection.



# Strengths of NYS Assessment System

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- Provides clarity in student expectations & outcomes aligned to learning standards
- Provides opportunity for consistency across teachers/grades/school districts
- Allows for teacher reflection on assessment data:
  - Gaps or redundancies in curriculum
  - Specific student strengths/weaknesses
- Allows for early identification of students falling below proficiency
- Creates accountability for school districts



# Weaknesses of NYS Assessment System

- Relies heavily on multiple choice items
- Fails to differentiate amongst the highest performers
- *Low item density:*
  - *Changes “cut points” from year to year and over time*
  - *Few or no items on some standards*
  - *Good for large numbers (statewide use), but inaccurate data for use with small groups of students*
- Assessments change from year to year
  - The grades 3 through 8 cut scores in math and ELA changed several times since 2006; thus, the longitudinal data is unreliable
  - SED noted a significant drop in level 4 performance across the state in 2011
  - The length of the assessments have changed
  - The 2012-2013 assessments will be aligned to the Common Core



# The New York State Assessments

Grade 3	English Language Arts	Math	
Grade 4	English Language Arts	Math	Science
Grade 5	English Language Arts	Math	Social Studies

Grade 6	English Language Arts	Math		
Grade 7	English Language Arts	Math		
Grade 8	English Language Arts	Math	Science	Social Studies

Regents Exams (gr. 9-12)	English (1)	Math (3)	Science (4)	Social Studies (2)	Foreign Language
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# Overview of NYS Assessment Data

## 2012 Results

# Performance Level Descriptions

Performance Level	Explanation
4	<b>Exceeds Proficiency Standard.</b> Student performance demonstrates <i>a thorough</i> understanding of the knowledge and skills expected in the subject and grade level.
3	<b>Meets Proficiency Standards.</b> Student performance demonstrates an understanding of the knowledge and skills expected in the subject and grade level.
2	<b>Meets Basic Standard.</b> Student performance demonstrates <i>a partial</i> understanding of the knowledge and skills expected in the subject and grade level.
1	<b>Below Standard.</b> Student performance <i>does not</i> demonstrate an understanding of the knowledge and skills expected in the subject and grade level.

# NYS Testing Program – 2012 Results\*

## *Percent of Students at Level 3 + Level 4*

2012	ELA	Math	Science
3	80%	86%	
4	85%	90%	98%
5	85%	95%	
6	90%	95%	
7	81%	90%	
8	88%	96%	97%

\* NYSED increased the length of the tests for the 2011-2012 administration.





# NYS Testing Program State-wide Rankings

The NYS testing results are one indication of our success in implementing excellent programs throughout the District. The rankings below show how Byram Hills students compare to students across the state (with 698 districts.) These rankings are based upon the *mean scaled score* on the state tests in particular grade levels and subjects.

2012 Results*	Ranking by Mean Scaled Score	
	ELA	Math
Grade 5		#5
Grade 6	#2	#1
Grade 7	#3	#2
Grade 8	#1	#4

*\*Showing the rankings within the top five (5) only.*



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# Year-to-Year Comparison 2011 to 2012

# NYS Testing Program Comparison between 2011 and 2012

*Percent of Students scoring Level 3 + Level 4*

	ELA			Math		
	2011	2012*	% Chg	2011	2012*	% Chg
3	77	80	+3	84	86	+2
4	84	85	+1	91	90	-1
5	78	85	+7	92	95	+3
6	89	90	+1	90	95	+5
7	85	81	-4	94	90	-4
8	84	88	+4	92	96	+4

\*NYSSED increased the length of the assessments and the level of difficulty of the items.



NYS Testing Program 2011 Data

# Comparison between *Byram Hills* and *the region* for Students with Disabilities

The table below shows the **gap** (by percent of students scoring at level 3 and level 4) between *Byram Hills students with disabilities* and those in Westchester, Putnam, and Rockland counties.

2010 - 2011	Percent of BH students above/below proficiency compared to the region			
	ELA		Math	
	2010	2011	2010	2011
3	+4	+11	+14	+11
4	+16	+5	+6	+10
5	+9	+19	+31	+20
6	+39	+30	+18	+23
7	+22	+31	+39	+24
8	+47	+14	+57	+36

*\*Results for 2012 students with disabilities have not been released by NYSED at the time of this presentation.*



# **NYS Assessment Data**

## ***Performance Level Results***

### ***Year to Year by Grade***

# New York State Assessment English Language Arts – Grade 3

Student Performance Level	2006 N = 221	2007 N = 231	2008 N = 245	2009 N = 216	2010* N=226	2011* N=195	2012 N=192
4 (meeting standards with distinction)	12%	22%	32%	24%	27%	13%	10%
3 (meeting standards)	72%	68%	57%	68%	44%	65%	70%
<b>Level 3 + Level 4</b>	<b>84%</b>	<b>90%</b>	<b>89%</b>	<b>92%</b>	<b>71%</b>	<b>77%</b>	<b>80%</b>
2 (partially meeting standards)	13%	8%	11%	6%	24%	19%	15%
1 (not meeting standards)	3%	2%	0%	1%	5%	4%	4%

\* Cut scores reset by SED.



# New York State Assessment Math – Grade 3

Student Performance Level	2006 N = 223	2007 N = 231	2008 N = 244	2009 N = 216	2010* N=227	2011* N=195	2012 N=193
4 (meeting standards with distinction)	43%	42%	40%	38%	43%	31%	25%
3 (meeting standards)	47%	54%	57%	60%	42%	53%	61%
<b>Level 3 + Level 4</b>	<b>90%</b>	<b>96%</b>	<b>97%</b>	<b>98%</b>	<b>85%</b>	<b>84%</b>	<b>86%</b>
2 (partially meeting standards)	8%	3%	3%	2%	13%	13%	10%
1 (not meeting standards)	2%	1%	0%	0%	2%	3%	3%

\*Cut scores reset by SED.

# New York State Assessment English Language Arts – Grade 4

Student Performance Level	2006 N = 235	2007 N = 227	2008 N = 234	2009 N = 249	2010* N=218	2011* N=221	2012 N=190
4 (meeting standards with distinction)	20%	22%	17%	15%	17%	8%	9%
3 (meeting standards)	71%	70%	74%	80%	66%	76%	76%
<b>Level 3 + Level 4</b>	<b>91%</b>	<b>92%</b>	<b>91%</b>	<b>95%</b>	<b>83%</b>	<b>84%</b>	<b>85%</b>
2 (partially meeting standards)	6%	6%	7%	4%	16%	14%	12%
1 (not meeting standards)	3%	2%	2%	1%	1%	2%	3%

\*Cut scores reset by SED.



# New York State Assessment Math – Grade 4

Student Performance Level	2006 N = 236	2007 N = 227	2008 N = 234	2009 N = 250	2010* N=218	2011* N=223	2012 N=190
4 (meeting standards with distinction)	45%	47%	66%	57%	49%	59%	62%
3 (meeting standards)	48%	48%	30%	38%	38%	32%	28%
<b>Level 3 + Level 4</b>	<b>93%</b>	<b>95%</b>	<b>96%</b>	<b>95%</b>	<b>87%</b>	<b>91%</b>	<b>90%</b>
2 (partially meeting standards)	7%	3%	3%	4%	11%	8%	7%
1 (not meeting standards)	0%	2%	1%	1%	2%	1%	3%

\*Cut scores reset by SED.

# New York State Assessment Elementary Science – Grade 4

Student Performance Level	2004	2005	2006 N=236	2007 N=228	2008 N=235	2009 N=250	2010 N=218	2011* N=223	2012 N=190
<b>4</b> (meeting standards with distinction)	67%	60%	64%	71%	82%	80%	80%	84%	85%
<b>3</b> (meeting standards)	30%	38%	33%	27%	15%	17%	19%	13%	13%
<b>Level 3 + Level 4</b>	<b>97%</b>	<b>98%</b>	<b>97%</b>	<b>98%</b>	<b>97%</b>	<b>97%</b>	<b>99%</b>	<b>98%</b>	<b>98%</b>
<b>2</b> (partially meeting standards)	3%	2%	3%	2%	3%	2%	0.5%	2%	2%
<b>1</b> (not meeting standards)	0%	0%	0%	0%	0%	1%	0.5%	0%	0%

# New York State Assessment English Language Arts – Grade 5

*Ranked #11  
by percent  
scoring level  
4*

Student Performance Level	2006 N = 207	2007 N = 231	2008 N = 232	2009 N = 233	2010* N = 239	2011* N=217	2012 N=224
4 (meeting standards with distinction)	29%	10%	9%	26%	27%	10%	14%
3 (meeting standards)	61%	80%	86%	70%	49%	68%	71%
<b>Level 3 + Level 4</b>	<b>90%</b>	<b>90%</b>	<b>95%</b>	<b>96%</b>	<b>76%</b>	<b>78%</b>	<b>85%</b>
2 (partially meeting standards)	10%	11%	5%	4%	21%	21%	12%
1 (not meeting standards)	0%	0%	0%	0%	3%	1%	3%



\*Cut scores reset by SED.

# New York State Assessment Math – Grade 5

*Ranked #5 in  
NYS by mean  
scaled score.*

Student Performance Level	2006 N = 207	2007 N = 232	2008 N = 231	2009 N = 233	2010* N = 239	2011* N=219	2012 N=225
4 (meeting standards with distinction)	53%	48%	53%	72%	45%	54%	65%
3 (meeting standards)	44%	49%	44%	27%	44%	38%	30%
<b>Level 3 + Level 4</b>	<b>97%</b>	<b>97%</b>	<b>97%</b>	<b>99%</b>	<b>89%</b>	<b>92%</b>	<b>95%</b>
2 (partially meeting standards)	3%	3%	3%	1%	11%	7%	4%
1 (not meeting standards)	0%	0%	0%	0%	0%	0%	0%

*\*Cut scores reset by SED.*

# New York State Assessment English Language Arts – Grade 6

*Ranked #2  
in NYS by  
mean scaled  
score.*

Student Performance Level	2006 N = 220	2007 N = 211	2008 N = 231	2009 N = 228	2010* N=226	2011* N=239	2012 N=212
4 (meeting standards with distinction)	50%	35%	26%	35%	23%	19%	14%
3 (meeting standards)	45%	61%	68%	63%	66%	69%	76%
<b>Level 3 + Level 4</b>	<b>95%</b>	<b>96%</b>	<b>94%</b>	<b>98%</b>	<b>89%</b>	<b>89%</b>	<b>90%</b>
2 (partially meeting standards)	5%	4%	6%	2%	10%	10%	9%
1 (not meeting standards)	0%	0%	0%	0%	0%	1%	1%

*\*Cut scores reset by SED.*

# New York State Assessment Math – Grade 6

*Ranked #1 in  
NYS by mean  
scaled score.*

Student Performance Level	2006 N = 221	2007 N = 211	2008 N = 231	2009 N = 228	2010* N=225	2011* N=239	2012 N=211
4 (meeting standards with distinction)	48%	57%	68%	64%	61%	62%	76%
3 (meeting standards)	47%	42%	29%	33%	29%	28%	19%
<b>Level 3 + Level 4</b>	<b>95%</b>	<b>99%</b>	<b>97%</b>	<b>97%</b>	<b>91%</b>	<b>90%</b>	<b>95%</b>
2 (partially meeting standards)	3%	1%	3%	2%	9%	9%	4%
1 (not meeting standards)	2%	0%	0%	0%	0%	1%	0%

\*Cut scores reset by SED.



# New York State Assessment English Language Arts – Grade 7

*Ranked #2  
in NYS by  
mean scaled  
score.*

Student Performance Level	2006 N = 215	2007 N = 218	2008 N = 217	2009 N = 233	2010* N=226	2011* N=222	2012 N=239
4 (meeting standards with distinction)	24%	21%	11%	20%	28%	13%	15%
3 (meeting standards)	63%	75%	87%	79%	58%	72%	66%
<b>Level 3 + Level 4</b>	<b>87%</b>	<b>96%</b>	<b>98%</b>	<b>98%</b>	<b>86%</b>	<b>85%</b>	<b>81%</b>
2 (partially meeting standards)	13%	4%	2%	2%	13%	14%	19%
1 (not meeting standards)	0%	0%	0%	0%	1%	1%	0%

\*Cut scores reset by SED.

# New York State Assessment Math – Grade 7

*Ranked #2 in  
NYS by mean  
scaled score.*

Student Performance Level	2006 N = 214	2007 N = 220	2008 N = 214	2009 N = 233	2010* N=226	2011* N=224	2012 N=238
4 (meeting standards with distinction)	48%	55%	79%	73%	68%	76%	66%
3 (meeting standards)	45%	41%	20%	27%	27%	17%	24%
<b>Level 3 + Level 4</b>	<b>93%</b>	<b>96%</b>	<b>99%</b>	<b>100%</b>	<b>96%</b>	<b>94%</b>	<b>90%</b>
2 (partially meeting standards)	7%	3%	0%	0%	4%	6%	8%
1 (not meeting standards)	0%	1%	1%	0%	0%	0%	2%

*\*Cut scores reset by SED.*



# New York State Assessment English Language Arts – Grade 8

*Ranked #1 in  
NYS by mean  
scaled score.*

Student Performance Level	2006 N = 214	2007 N = 210	2008 N = 216	2009 N = 216	2010* N=233	2011* N=221	2012 N=224
4 (meeting standards with distinction)	22%	17%	23%	27%	30%	9%	11%
3 (meeting standards)	70%	72%	72%	70%	63%	76%	77%
<b>Level 3 + Level 4</b>	<b>92%</b>	<b>89%</b>	<b>95%</b>	<b>97%</b>	<b>93%</b>	<b>84%</b>	<b>88%</b>
2 (partially meeting standards)	7%	11%	5%	3%	7%	16%	12%
1 (not meeting standards)	1%	0%	0%	0%	0%	0%	0%

*\*Cut scores reset by SED.*

# New York State Assessment Math – Grade 8

Ranked #4 in NYS by mean scaled score, and #3 for percent level 4.

Student Performance Level	2006 N = 214	2007 N = 210	2008 N = 215	2009 N = 215	2010* N=233	2011* N=221	2012 N=223
<b>4</b> (meeting standards with distinction)	39%	41%	49%	57%	54%	53%	60%
<b>3</b> (meeting standards)	54%	51%	48%	42%	43%	39%	35%
<b>Level 3 + Level 4</b>	93%	93%	97%	99%	97%	92%	95%
<b>2</b> (partially meeting standards)	7%	7%	3%	0%	3%	8%	4%
<b>1</b> (not meeting standards)	0%	1%	0%	0%	0%	0%	0%

\*Cut scores reset by SED.



# New York State Assessment Intermediate Level Science – Grade 8

Student Performance Level	Number of students tested, N, does not include accelerated science students									
	2003 N = 123	2004 N = 135	2005 N = 137	2006 N = 127	2007 N = 112	2008 N = 108	2009 N = 108	2010 N=120	2011 N=112	2012 N=116
4 (meeting standards with distinction)	72%	80%	84%	69%	66%	70%	69%	72%	61%	67%
3 (meeting standards)	28%	19%	15%	29%	29%	28%	30%	27%	38%	30%
<b>Level 3 + 4</b>	<b>99%</b>	<b>99%</b>	<b>100%</b>	<b>98%</b>	<b>95%</b>	<b>98%</b>	<b>99%</b>	<b>99%</b>	<b>98%</b>	<b>97%</b>
2 (partially meeting standards)	1%	1%	0%	2%	4%	2%	0%	1%	2%	3%
1 (not meeting standards)	0%	0%	0%	0%	1%	0%	1%	0%	0%	0%

# New York State Assessment Regents Exams – *Mathematics*

<b>Integrated Algebra</b>	<b>2008</b>	<b>2009</b>	<b>2010</b> N=212	<b>2011</b> N=221	<b>2012</b> N=228
<b>% Passing</b>	100	100	100	100	100
<b>% Mastery</b>	72	67	70	73	70

*NYSED phased in the new Regents assessments in mathematics with Integrated Algebra in 2008.*

<b>Geometry</b>	<b>2009</b>	<b>2010</b> N=203	<b>2011</b> N=195	<b>2012</b> N=204
<b>% Passing</b>	99	99	98	99
<b>% Mastery</b>	56	59	64	71

<b>Algebra 2 &amp; Trigonometry</b>	<b>2011</b> N=172	<b>2012</b> N=107
<b>% Passing</b>	96	99
<b>% Mastery</b>	62	85



# New York State Assessment Regents Exams – *English*

<b>ENGLISH</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b> <i>N=212</i>
<b>% Passing</b>	98	100	100	100	100	100	100	100
<b>% Mastery</b>	74	83	84	77	80	86	82	88

In 2011, the administration of the English Regents exam was moved from January of 11<sup>th</sup> grade to June of 10<sup>th</sup> grade year.

<b>ENGLISH 2011</b>	<b>10<sup>th</sup> Grade</b> <i>N=202</i>	<b>11<sup>th</sup> Grade</b> <i>N=198</i>
<b>% Passing</b>	99	100
<b>% Mastery</b>	85	89

<b>ENGLISH</b>	<b>2012</b> <i>N=215</i>
<b>% Passing</b>	99
<b>% Mastery</b>	81



# New York State Assessment Regents Exams – *Social Studies*

<b>GLOBAL HISTORY &amp; GEOGRAPHY</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b> N=204	<b>2011</b> N=206	<b>2012</b> N=228
<b>% Passing</b>	100	98	98	98	98	99	99	99	97	99
<b>% Mastery</b>	72	67	58	70	60	69	63	65	61	64

<b>US HISTORY &amp; GOVERNMENT</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b> N=207	<b>2011</b> N=209	<b>2012</b> N=203
<b>% Passing</b>	99	100	100	100	98	100	100	100	100	99
<b>% Mastery</b>	68	74	80	82	74	78	76	74	79	83

# New York State Assessment Regents Exams – *Science*

<b>PHYSICAL SETTING/EARTH SCIENCE</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b> N=229	<b>2011</b> N=221	<b>2012</b> N=217
<b>% Passing</b>	99	98	100	100	100	98	99	100	99	98
<b>% Mastery</b>	72	46	73	74	68	71	74	82	77	85

<b>LIVING ENVIRONMENT</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b> N=216	<b>2011</b> N=218	<b>2012</b> N=218
<b>% Passing</b>	99	100	100	100	99	100	100	100	99	99
<b>% Mastery</b>	56	71	70	75	70	75	76	80	85	84

# New York State Assessment Regents Exams – *Science*

<b>CHEMISTRY</b>	2003	2004	2005	2006	2007	2008	2009	2010 <i>N=181</i>	2011	2011 <i>N=205</i>
<b>% Passing</b>	99	97	99	99	100	99	100	100	97	97
<b>% Mastery</b>	37	25	26	42	32	30	36	34	48	43



# NYS Assessment Data

## *Performance Level Results by Cohort*

*(same grade over time)*

# Cohort Data – Class of 2019

Class of 2019		Grade 3 2010	Grade 4 2011	Grade 5 2012
ELA	Level 4	27	8	14
	Level 3-4	71	84	85
Math	Level 4	43	59	65
	Level 3-4	85	91	95

# Cohort Data – Class of 2018

Class of 2018		Grade 3 2009	Grade 4 2010	Grade 5 2011	Grade 6 2012
ELA	Level 4	24	17	10	14
	Level 3-4	92	83	78	90
Math	Level 4	38	49	54	76
	Level 3-4	98	87	92	95

# Cohort Data – Class of 2017

Class of 2017		Grade 3 2008	Grade 4 2009	Grade 5 2010	Grade 6 2011	Grade 7 2012
ELA	Level 4	32	15	27	19	15
	Level 3-4	89	95	76	89	81
Math	Level 4	40	57	45	62	66
	Level 3-4	97	95	89	90	90

# Cohort Data – Class of 2016

Class of 2016		Grade 3 2007	Grade 4 2008	Grade 5 2009	Grade 6 2010*	Grade 7 2011	Grade 8 2012
ELA	Level 4	22	17	26	23	13	11
	Level 3-4	90	91	96	89	85	88
Math	Level 4	42	66	72	61	76	60
	Level 3-4	96	96	99	91	94	95

\*Cut scores reset by SED.



# Assessment Goals

- **Data Teams:** Teams of teachers and administrators at each building will:
  - Receive training on the data inquiry process.
  - Receive training on data systems, including the level 1 portal for state data.
  - Consider data needs from teacher teams, and provide teachers with necessary data for review.
  - Train teachers on interpreting results and developing curricular and instructional strategies to target various student learning needs.
  - Evaluate future data needs.
  
- **Teachers and Administration:**
  - Collaborate to develop high quality assessments that produce student learning and improve student achievement in both content and higher level/critical thinking skills.
  - Develop formative assessment techniques and methods for providing feedback to students, including peer- and self-assessment.
  - Integrate student metacognition strategies into lessons and assessments.
  - Implement and evaluate our local assessment system.





***A great place to learn!***