

Superintendent's Report

Dr. David Fine

Peekskill City School District:

A Community Focused on Every Student; Every Day.



Meeting of the Board of Education

September 6, 2016

PHS Alumni Davonte Woodton: *Peekskill Pride in Full Effect*



Mount Saint Mary College

Peekskill Youth Festival: Thank You!

A Community Focused on Every Student; Every Day



The student is presenting a research poster titled "Evaluation of Oxidative DNA Damage Caused by Clofibric Acid in Chicken Egg Genotoxicity Assay (CEGA)". The poster is divided into several sections: Abstract, Introduction, Materials and Methods, Results, and Supplementary Information. The abstract describes the study's purpose, which was to evaluate the potential for clofibric acid (CFA) to induce oxidative DNA damage in chicken liver tissue. The introduction provides background on CFA and the CEGA assay. The materials and methods section details the experimental design, including the use of 20x HS15 (vehicle) and various concentrations of CFA (0.05 mg/kg, 0.15 mg/kg, 0.35 mg/kg, 0.75 mg/kg, 1.5 mg/kg). The results section shows a bar graph of the percentage of 8-hydroxydeoxyguanosine (8-OHdG) in the liver, which increases with increasing CFA concentration. The supplementary information section includes a bar graph of the percentage of 8-OHdG in the liver and a photograph of the chicken liver tissue.

Evaluation of Oxidative DNA Damage Caused by Clofibric Acid in Chicken Egg Genotoxicity Assay (CEGA).

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Abstract

Clofibric acid (CFA) is a herbicide used to regulate plant growth. However, a previous study, using the Chicken Egg Genotoxicity Assay (CEGA), had shown that exposure to clofibric acid induced DNA strand breaks in the livers of chicken tissues, but did not form adducts. This research was conducted to determine whether exposure to CFA has the potential to cause significant oxidative DNA damage in the liver of chicken. We aimed to get a better understanding of the mechanisms of CFA that induce the oxidative DNA damage. The CEGA assay was used to evaluate the potential for CFA to induce DNA damage. The whole embryos were divided on days 8-11 with 0.05 mL of either 20x HS15, 0.35 mg/kg CFA, 0.75 mg/kg CFA, or 1.5 mg/kg CFA. The chicken embryos were terminated three hours after the last dose in order to obtain liver samples to be used in the enhanced comet assay to measure DNA damage. Results from the enhanced comet assay showed a significant dose-dependent trend between CFA dosage and the percentage of DNA bound in the tail of the liver cells. CFA was found to induce oxidative DNA damage, part of which was due to the production of 8-hydroxydeoxyguanosine (8-OHdG). Based on these results, oxidative DNA damage may occur if CFA dosage increases.

Introduction

Chicken Egg Genotoxicity Assay (CEGA) is an alternative model which investigates the potential of chemicals to induce DNA damage (Williams et al., 2014). DNA damage is evaluated in the livers of chicken tissues, since this is the major organ for the detoxification in the developing organism. Since chicken tissues are terminated several days before hatching, which normally occurs on day 21, CEGA is not considered to be an animal model, but it has the potential to induce animal testing.

CEGA was previously used to evaluate the genotoxic potential of a herbicide, organophosphate insecticide, and the PPAR α agonist fenofibrate (CFA), using the alkaline single cell gel (comet) assay, which detects DNA strand breaks, and the 19S-nucleotide sequencing (NPS) assay, which measures DNA adducts. In the assay, CFA yielded clear evidence of DNA strand breaks, but was negative for DNA adducts (Figure 1A and B). It has been suggested that the proliferation of peroxyl radicals and induction of reactive oxygen species can lead to oxidative stress and subsequent DNA damage. Fenofibrate, fenofibrate, and fenofibrate (FEN) are known to be in the levels of the 8-hydroxydeoxyguanosine (8-OHdG), an adduct that results from the damage of DNA caused by hydroxyl radicals. In order to investigate the ability of CFA to cause oxidative stress in DNA damage, the comet assay was used in CEGA using enhanced comet assay which detects general oxidative DNA damage and measures 8-OHdG.

Materials and Methods

Experimental design. Described in detail in Williams et al. (2014). **Enhanced comet assay.** ~200 mg of liver tissue was stabilized in 1 ml of ice-cold RNeasy lysis buffer (Qiagen, Crawfordsville, IN, USA) containing 20 mM EDTA and 10% DMSO, mixed and allowed to settle. Assay was performed as previously reported (Williams et al., 2014) with an additional incubation with 50 μ l of reaction enzyme buffer only (0.5 units FPG or 0.4 units FPG) (New England Biolabs-NEB, Inc., Ipswich, MA), after lysis. Incubation with 50 μ l of 10 μ M of hydrogen peroxide (H₂O₂) before enzyme digestion was used as a positive control. All steps were performed under dim light to prevent additional UV-induced DNA damage.

Statistical analyses. were performed using SigmaPlot software version 3.11.0 (Systat Software Inc., Chicago, IL, USA). Results are presented as mean \pm SD. Data were analyzed by one-way ANOVA with the pairwise multiple comparison using the Tukey's method. Linear regression analysis was used to determine dose-related trends; p-values < 0.05 were considered significant.

Results

The percentage of 8-OHdG in the liver of chicken tissues exposed to clofibric acid detected by enhanced comet assay is shown in Figure 1. The results show a significant increase in the percentage of 8-OHdG in the liver of chicken tissues exposed to CFA at 0.05 mg/kg, 0.15 mg/kg, 0.35 mg/kg, 0.75 mg/kg, and 1.5 mg/kg. The results are presented as mean \pm SD. Data were analyzed by one-way ANOVA with the pairwise multiple comparison using the Tukey's method. Linear regression analysis was used to determine dose-related trends; p-values < 0.05 were considered significant.

Supplementary Information

Figure 1. The percentage of 8-OHdG in the liver of chicken tissues exposed to clofibric acid detected by enhanced comet assay. The results show a significant increase in the percentage of 8-OHdG in the liver of chicken tissues exposed to CFA at 0.05 mg/kg, 0.15 mg/kg, 0.35 mg/kg, 0.75 mg/kg, and 1.5 mg/kg. The results are presented as mean \pm SD. Data were analyzed by one-way ANOVA with the pairwise multiple comparison using the Tukey's method. Linear regression analysis was used to determine dose-related trends; p-values < 0.05 were considered significant.

Figure 1A. The percentage of 8-OHdG in the liver of chicken tissues exposed to clofibric acid detected by enhanced comet assay. The results show a significant increase in the percentage of 8-OHdG in the liver of chicken tissues exposed to CFA at 0.05 mg/kg, 0.15 mg/kg, 0.35 mg/kg, 0.75 mg/kg, and 1.5 mg/kg. The results are presented as mean \pm SD. Data were analyzed by one-way ANOVA with the pairwise multiple comparison using the Tukey's method. Linear regression analysis was used to determine dose-related trends; p-values < 0.05 were considered significant.

Figure 1B. The results of testing in the chicken liver tissue. The results show a significant increase in the percentage of 8-OHdG in the liver of chicken tissues exposed to CFA at 0.05 mg/kg, 0.15 mg/kg, 0.35 mg/kg, 0.75 mg/kg, and 1.5 mg/kg. The results are presented as mean \pm SD. Data were analyzed by one-way ANOVA with the pairwise multiple comparison using the Tukey's method. Linear regression analysis was used to determine dose-related trends; p-values < 0.05 were considered significant.

August Graduation & Jump Start



Pre-k/Uriah Hill: Come Meet the New Director Mrs. Carmen Vargas

**For students beginning Pre-K on
Tuesday, September 6th and Wednesday, September 7th**

- Parent session: Tuesday, Sept. 6th or Wednesday, Sept. 7th
- 8:45 a.m. - 9:45 a.m. (AM session/full-day students)
- 12:15 p.m. - 1:15 p.m. (PM session students)

**For students beginning Pre-K on
Thursday, September 8th and Friday, September 9th**

- Parent session: Thursday, Sept. 8th or Friday, Sept. 9th
- 8:45 a.m. - 9:45 a.m. (AM session/full-day students)
- 12:15 p.m. - 1:15 p.m. (PM session students)

Uriah Hill School, Library

**Hear about all the important procedures; Ask questions ; Enjoy
refreshments/Meet other parents**

BIENVENIDOS: Venga a conocer la nueva directora

Sra. Carmen Vargas

Para los estudiantes que empiezan Pre-K

el martes, 6 de septiembre y el miércoles, 7 de septiembre

- Sesión de padres: el martes, 6 de septiembre
- o el miércoles, 7 de septiembre
- 8:45 a.m. - 9:45 a.m. (estudiantes de sesión de AM y de todo el día)
- 12:15 p.m. – 1:15 p.m. (estudiantes de sesión de PM)

Para los estudiantes que empiezan Pre-K

el jueves, 8 de septiembre y el viernes, 9 de septiembre

- Sesión de padres: el jueves, 8 de septiembre
- o el viernes, 9 de septiembre
- 8:45 a.m. - 9:45 a.m. (estudiantes de sesión de AM y de todo el día)
- 12:15 p.m. – 1:15 p.m. (estudiantes de sesión de PM)

Escuela Uriah Hill, Biblioteca

- Escuche sobre todos los procedimientos importantes; Haga preguntas
- Disfrute de refrescos/Conozca otros padres

Administrative Creativity



Mission

- *The Mission of the Peekskill City School District is to educate students in a caring, inspiring environment characterized by a spirit of excellence and high expectations; prepare graduates to meet or exceed standards; graduate students who respect and appreciate cultural diversity; and prepare students to pursue adult lives as contributing citizens of our local and global community.*



Operating Principles and Mindset

- *Operating Principles and Mindset:*
 1. We will put the best interest of students first in all discussions.
 2. We will communicate open and honestly.
 3. We will listen with respect and intent to understand.
 4. We will support and take responsibility for group decisions.
 5. We will celebrate the positive and keep a sense of humor.



Goals and Deliverables: 2016-2017

Goals

- By the year 2020, graduation rates will increase to 100%.
- By the year 2020 all students, (cohort 2015) will achieve grade level literacy by the end of grade 3.
- Promote the active engagement of parents/guardians and the community in the education of all students.
- Create safe, discipline, state of the art environment where everyone works to help students achieve.

Deliverables

- Implement District Curriculum, Instruction, and Assessment protocols.
- Design school learning teams focused on quality academic programs, student-centered interventions, and 21st Century opportunities.
- Utilize data to drive instruction and incorporate quality review schedules.
- Continue to plan for transparent financial planning and cost-effective operations.

District Planning: DCIP



Our Practice and Focus: Diagnostic Tool for School and District Effectiveness (DTSDE)

- The DTSDE was created to capture the best practices from each of the past review tools used by NYSED (Hillcrest/HS visit last year; Oakside this year). The DTSDE uses multiple means such as interviews, classroom observations and surveys to gather evidence. The protocol includes a rubric, which identifies clear and cogent expectations of the optimal conditions of an effective school and school district across six tenets. These tenets include:

- 1. District Leadership and Capacity;**
- 2. School Leader Practices and Decisions;**
- 3. Curriculum Development and Support;**
- 4. Teacher Practices and Decisions;**
- 5. Student Social and Emotional Developmental Health; and**
- 6. Family and Community Engagement.**



Content/Language Objectives

- Students are more likely to fail if they do not know what to learn, and they are likely to fail if they do not know what to do. Therefore, having both content and language objectives clearly posted and clearly stated, helps to set students up for success. Finally, it is imperative that content and language objectives are observable (the teacher or observer should be able to see students actively working to meet an objective) and measurable (the teacher or observer should be able to determine whether students are making progress toward or have met each objective).

What is the difference between a *content-objective* and *language-objective*?

- The **content objective** tells **what** students will learn during the lesson.
 - Example: “Today you will learn about the causes of the American Revolution.”
- The **language objective** tells **how** the students will learn and/or **demonstrate** their mastery of the lesson by **reading, speaking, writing, or listening**.
 - Example: You will be able to explain the connection between the French/Indian War & the American Revolution.
- Content Objective: “Students will find the lowest common multiple (LCM) of 2 or more numbers.”
- Language Objective: “You will write the steps used to solve the problems.”

Kraft Mobile Food Pantry

- Hillcrest School
- Once a Month
- Student/Staff/Community Volunteers
- 3:30pm-5:30pm



Real Talk: Freshmen Orientation



My Brother's Keeper

- **Getting a Healthy Start and Entering School Ready to Learn**

All children should have a healthy start and enter school ready – cognitively, physically, socially, and emotionally.

- **Reading at Grade Level by Third Grade**

All children should be reading at grade level by age 8 – the age at which reading to learn becomes essential.

- **Graduating from High School Ready for College and Career**

All youth should receive a quality high school education and graduate with the skills and tools needed to advance to postsecondary education or training.

- **Completing Postsecondary Education or Training**

Every American should have the option to attend postsecondary education and receive the education and training needed for the quality jobs of today and tomorrow.

- **Successfully Entering the Workforce**

Anyone who wants a job should be able to get a job that allows them to support themselves and their families.

- **Keeping Kids on Track and Giving Them Second Chances**

All youth and young adults should be safe from violent crime; and individuals who are confined should receive the education, training, and treatment they need for a second chance.

<https://www.whitehouse.gov/my-brothers-keeper>

Dad's Day: Take Your Child to School!



Calling ALL Father Figures!
Please join us at
your child's school
on the morning of
September 20, 2016

Tuesday
8:30 a.m. to 9:40 a.m.

Enjoy a light refreshment in the cafeteria and an activity in your child's classroom.

- ☐ Yes, I will attend.
- ☐ No, I will not be able to attend.

Teacher's name _____

Student's name _____

Parent's name _____



Papá lleva tu niño a la escuela!
Llamando a todos las Figuras como Padres!
Por favor, únase a nosotros en
escuela de su hijo
en la mañana de
20 de Septiembre del 2016

Martes
8:30 a.m. a 9:40 a.m.

Disfrute de algo ligero de comer y una actividad en el aula de su hijo(a).

- ☐ Sí, asistiré.
- ☐ No, no podré asistir

Nombre de maestra _____

Nombre de estudiante _____

Nombre de padre _____

Community Eligibility Provision

Peekskill's Pioneering Work!

A System Focused on Every Student; Every Day

Peekskill City School has been approved for the Community Eligibility Provision (CEP) meal program. All children in the school will receive meals/milk at no charge regardless of household income. A communication campaign will be going out next week.

<https://youtu.be/5OtCNfCVifA>

Top-Ten (10) Reasons Peekskill is a Wonderful Place to Live and Learn

10. CEP

9. Our Community

8. Riverfront

7. Superintendent's 5k

6. Real Talk

5. Oswal Perez

4. Peekskill Pride in Full Effect

3. Student's First

2. Explicit Use of Data

1. DCIP/SCEP Alignment



Superintendent's 5K: October 15, 2016



BOE Meetings & Dress Rehearsal

School Name	Dress Rehearsal: 9:30am in the BOE Room <i>(1-2 weeks prior)</i>	SCIP/SLT Presentation: In your respective buildings, 7pm
Uriah/Woodside	October 6 th	October 18 th <i>(at Woodside)</i>
Oakside	November 2 nd	November 8 th
Hillcrest	November 10 th	November 15 th
Middle School	November 30 th	December 6 th
High School/Summit	December 14 th	December 20 th

PTO Excitement and Focus!

6:30pm-8:00pm

“Excellence
is not a destination;
it is a continuous
journey that
never ends.”

Brian Tracy

Date	Location	Presentation
10/19	PHS	Financial Aid/ Scholarships
11/16	Uriah Hill	Parent Portal
12/14	Woodside	Literacy
1/18	PKMS	SPED
2/15	Ford (Admin)	Open House
3/22	Oakside	Cyberbullying
4/19	Hillcrest	Safety/Security
5/24	PHS	Student/Athlete
6/14	PKMS	Google Classroom

Contracts Under \$10,000

- Southeastern Regional Education Service Center, Inc. (SERESC); Provide Psychological Assessment for an out of state placed student with disabilities; August 29, 2016 - November 30, 2016. Not to exceed \$2,500
- Southeastern Regional Education Service Center, Inc. (SERESC); Provide Occupational Therapy Assessment for an out of state placed student with disabilities; August 29, 2016 - November 30, 2016. Not to exceed \$2,000
- Steven Dillard/Videographer; Provide camera operation and filming services on an as needed basis; 2016-2017 School Year; Not to exceed \$500
- Z Recording/LEAP; Provide students with a better understanding of music and background knowledge of the recording studio; 2016/2017 school year; \$5,000
- Girl Scouts-Heart of the Hudson/LEAP; Provide students with character and citizenship development activities; 2016/2017 school year; \$6,000
- Spellbinders Peekskill Chapter; Oral Storytelling; September 1, 2016 - June 30, 2017; \$0



Peekskill “Glow”s



- 30% Algebra CC
- 14% ELA & 12% Global
- 16% LE & 24% ES
- Graduation Rate 13%
- ELA Exam (in-cohort) 13% Increase for last year's 8th graders
- Math Exam (in-cohort) 9% increase 6th to 7th grade
- Pre-k, Parent Workshops and Guided Reading Support
- 1st grade, 42% to 53% on-grade level (fall/spring, F/P data)
- 2nd grade, 40% to 62% on-grade level (fall/spring, F/P data)
- 5th grade, 39% to 50% on-grade level (fall/spring, F/P data)



Peekskill City School District:

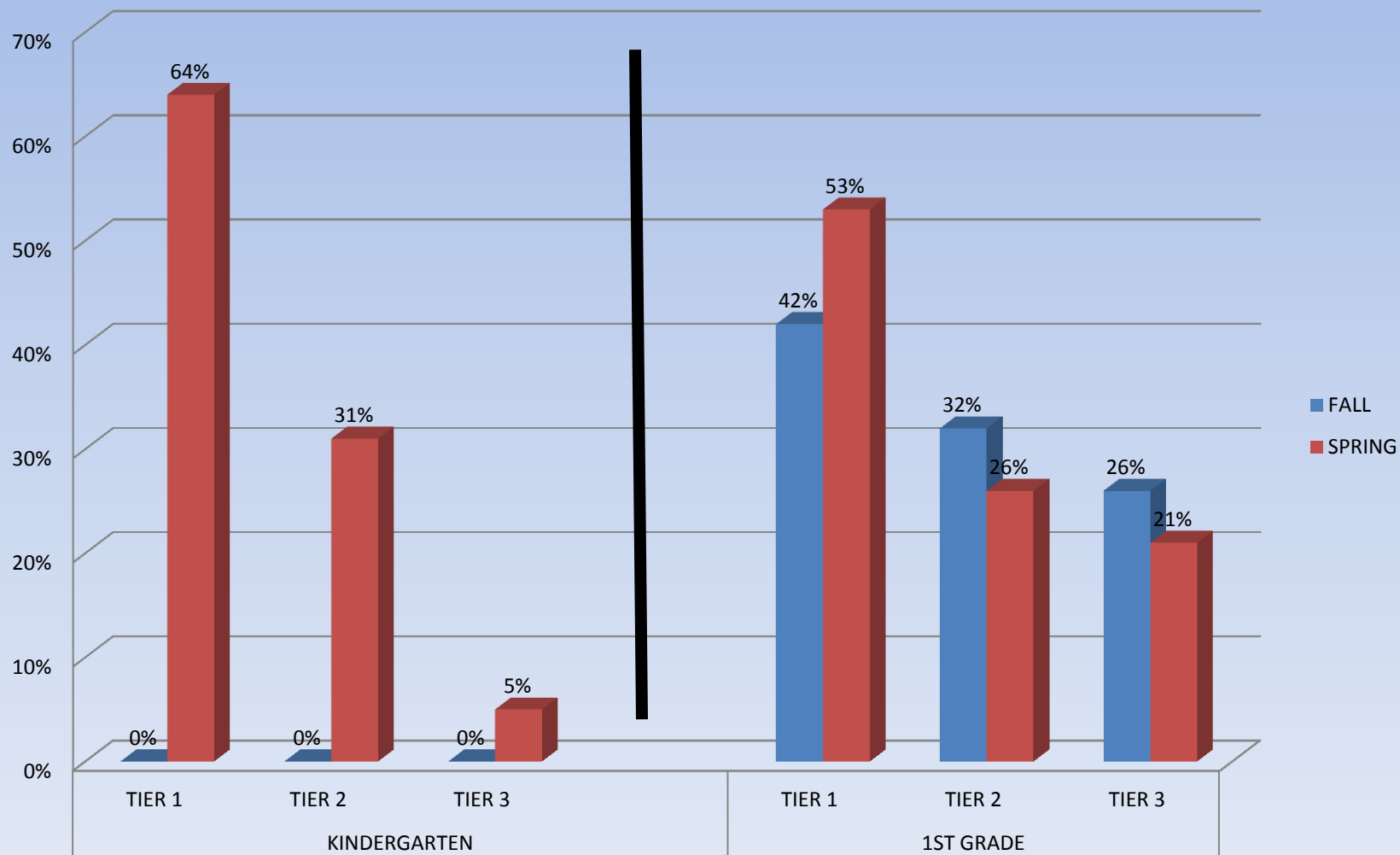
Data Analysis, 2015-2016 School Year

- Fountas and Pinnell, k-8
- 3rd – 8th Grade State Exams (ELA/Math)
- Regents
- Graduation



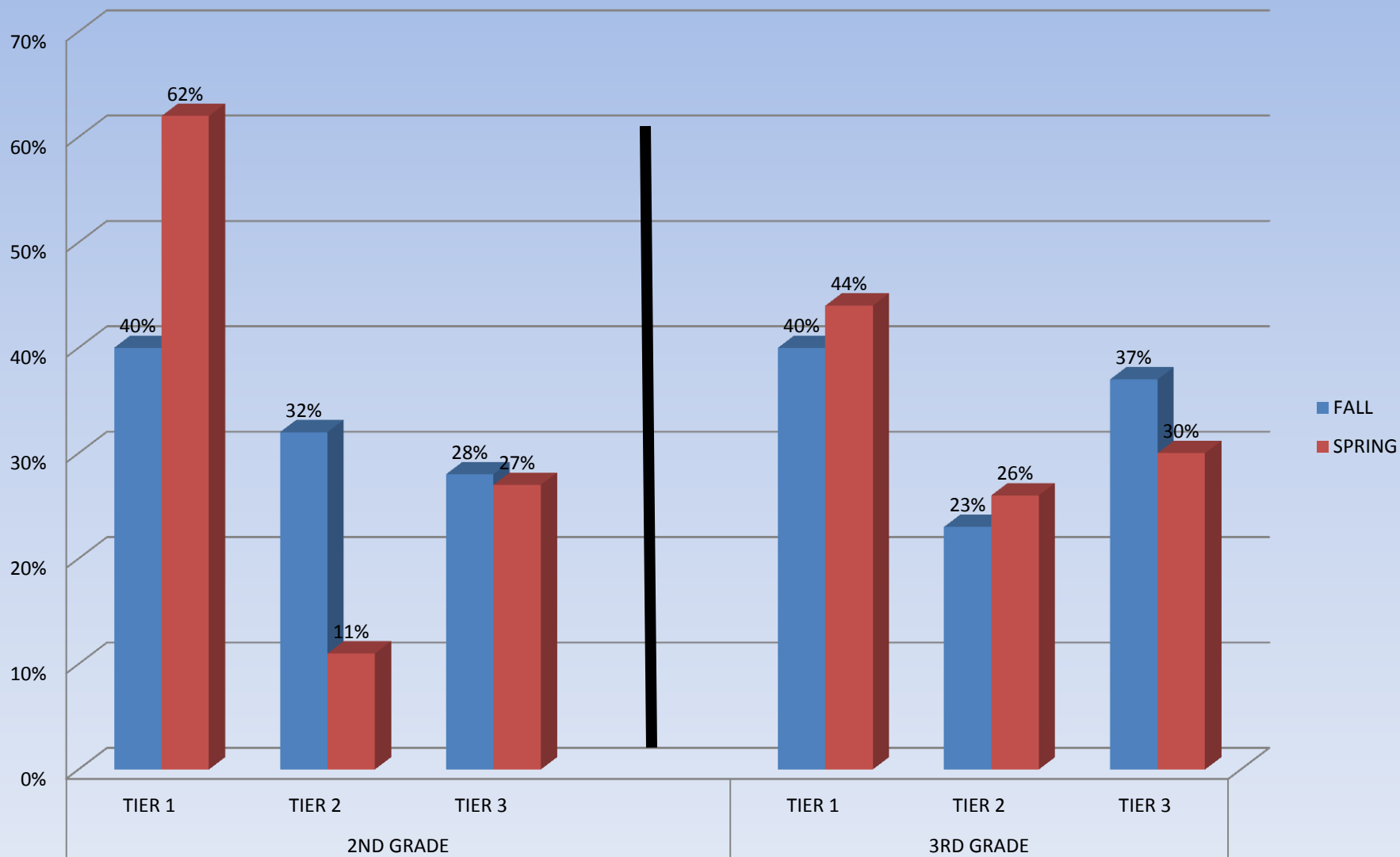
WOODSIDE
Fall/Spring Correlation
Fountas & Pinell

Tier 1: On/Above
Tier 2: 6-Mos Below
Tier 3: Year Below



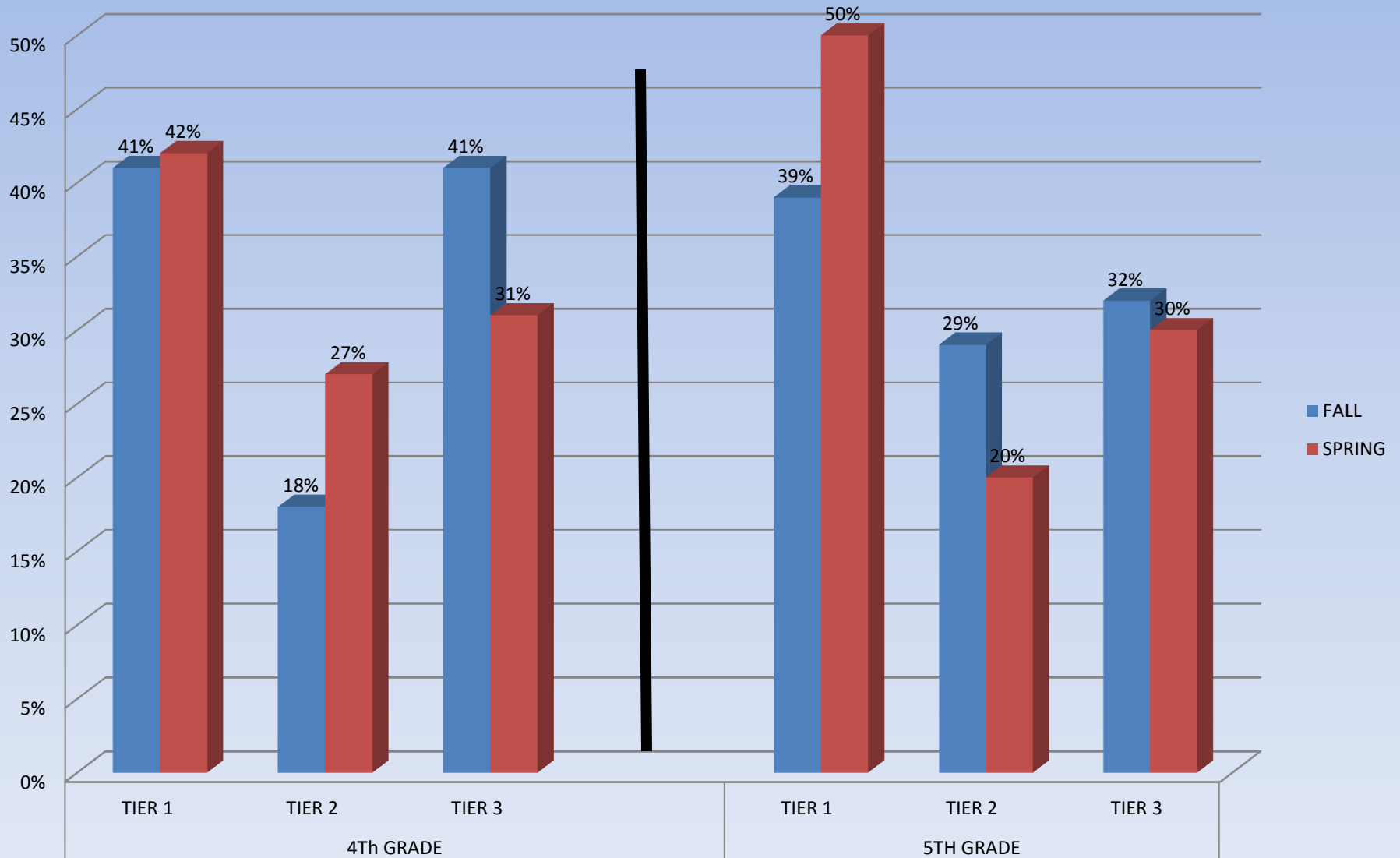
OAKSIDE
Fall/Spring Correlation
Fountas & Pinell

Tier 1: On/Above
Tier 2: 6-Mos Below
Tier 3: Year Below



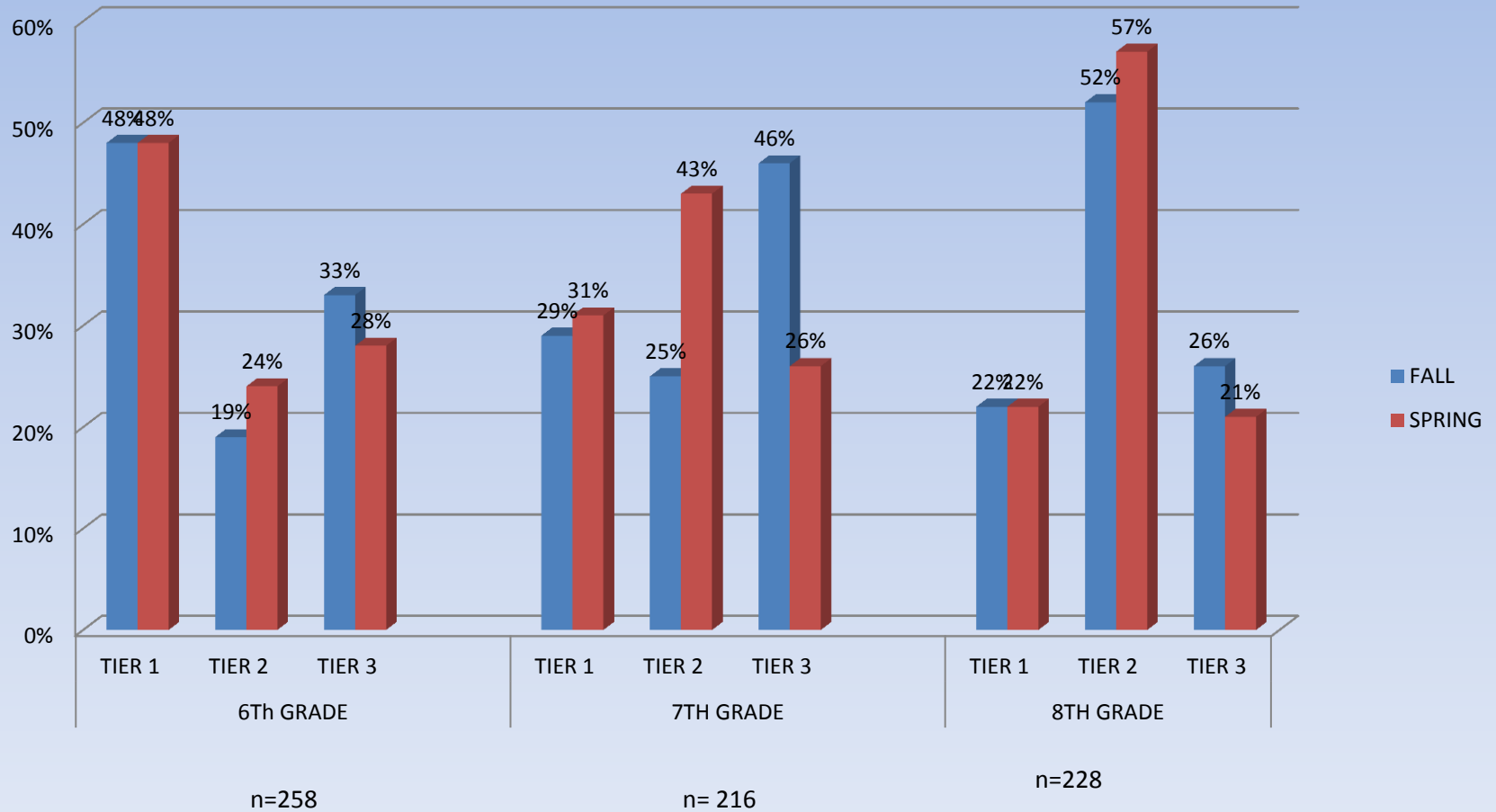
HILLCREST Fall/Spring Correlation Fountas & Pinell

Tier 1: On/Above
Tier 2: 6-Mos Below
Tier 3: Year Below



Middle School Fall/Spring Correlation Fountas & Pinell

Tier 1: On/Above
Tier 2: 6-Mos Below
Tier 3: Year Below



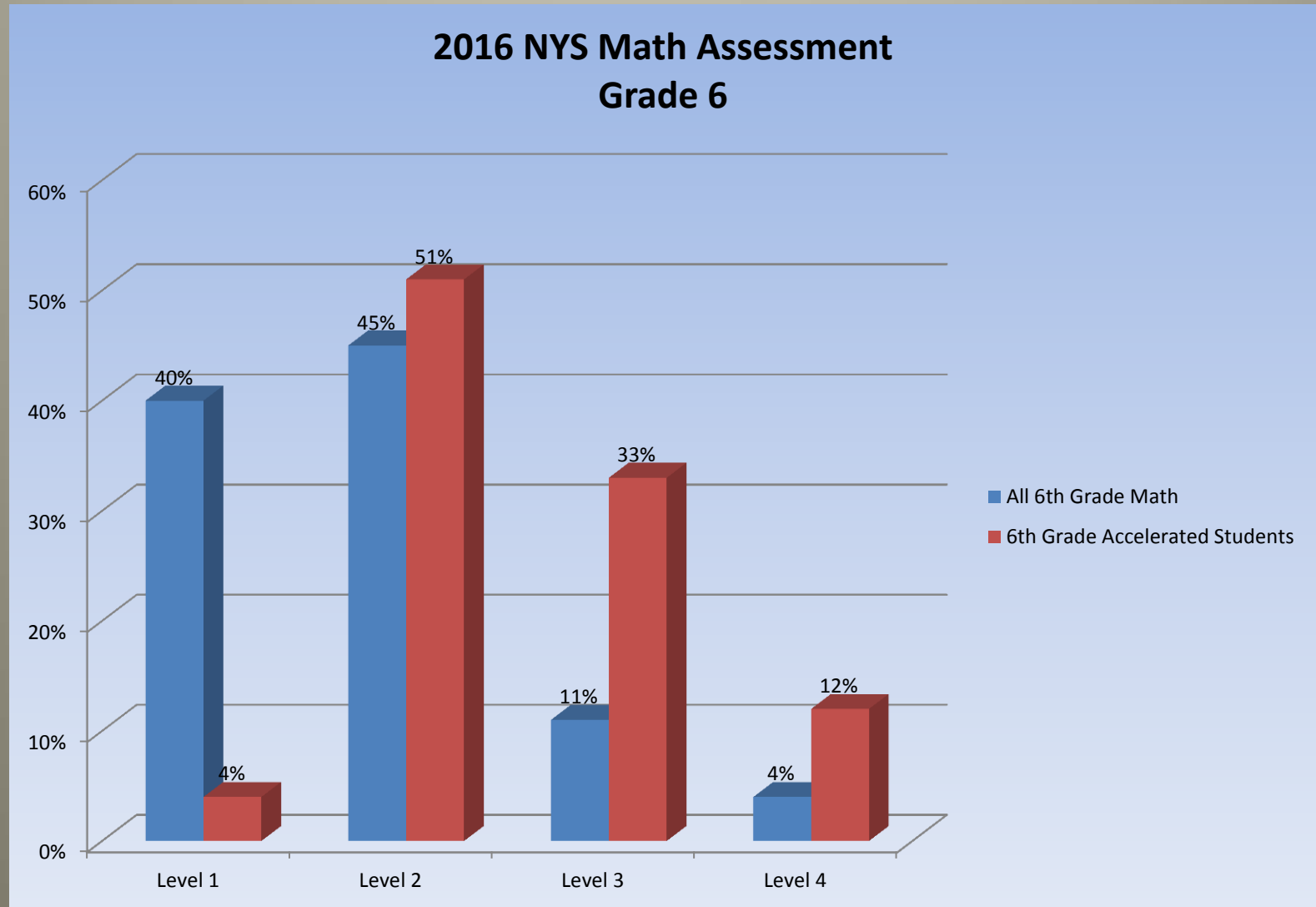
ELA State Exams: 3rd-8th

ELA	2009	2010	2011	2012	2013	2014	2015	2016
Grade 3	72%	51%	46%	40%	17%	18%	16%	21%
Grade 4	67%	47%	41%	34%	15%	8%	16%	16%
Grade 5	73%	37%	33%	40%	9%	11%	9%	12%
Grade 6	74%	50%	31%	36%	14%	5%	8%	12%
Grade 7	77%	35%	34%	34%	10%	6%	8%	7%
Grade 8	56%	56%	27%	44%	13%	15%	16%	21%
TOTAL 3-8	70%	46%	35%	38%	13%	11%	12%	15%

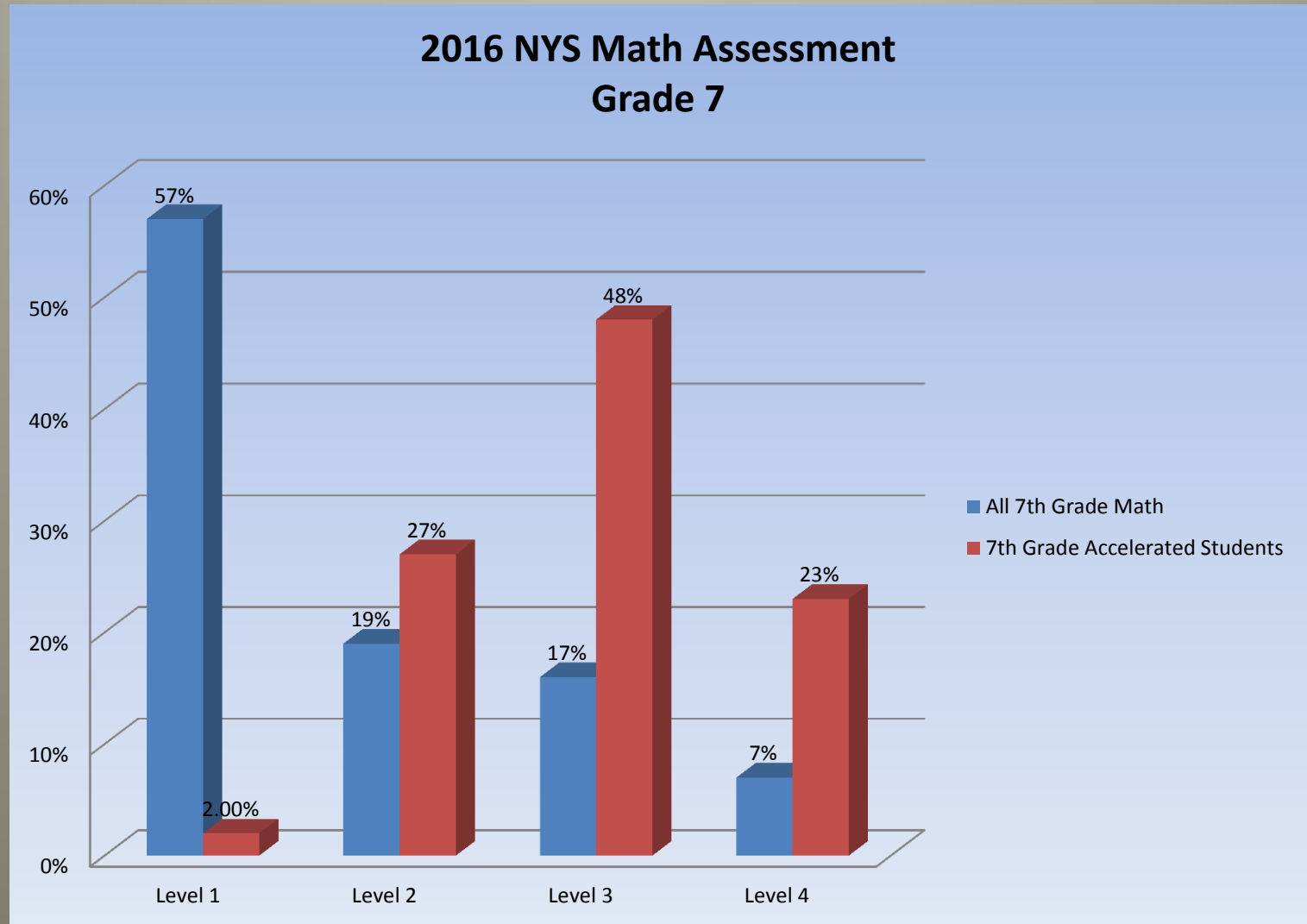
Math State Exams: 3rd-8th

MATH	2009	2010	2011	2012	2013	2014	2015	2016
Grade 3	83%	48%	36%	48%	17%	28%	27%	23%
Grade 4	75%	46%	47%	48%	15%	12%	26%	19%
Grade 5	81%	34%	41%	37%	8%	9%	13%	19%
Grade 6	84%	53%	44%	66%	22%	15%	15%	15%
Grade 7	86%	49%	48%	48%	14%	20%	17%	24%
Grade 8	79%	50%	58%	65%	21%	27%	23%	19%
TOTAL 3-8	81%	47%	45%	52%	16%	19%	20%	20%

6th Grade Math Exam: Accelerated Analysis



7th Grade Math Exam: Accelerated Analysis



Regents Data: PHS

JUNE REGENTS		
	2014-15	2015-16
ALGEBRA I CC	158 students	246 students
	42% PASSING	72% PASSING
COMP. ENGLISH/ ELA CC	210 students	165 students (CC)
	71% PASSING	85% PASSING
GLOBAL	241 students	118 students
	33% PASSING	45% PASSING
US HISTORY	360 students	432 students
	56% PASSING	59% PASSING
LIVING ENVIRONMENT	227 students	247 students
	70% PASSING	86% PASSING
EARTH SCIENCE	211 students	145 students
	48% PASSING	72% PASSING

Regents Data: PHS

August REGENTS		
	2015-16	2016-17
ALGEBRA I CC	40 students	32 students
	15% PASSING	37% PASSING
COMP. ENGLISH/ ELA CC	21 students	12 students (CC)
	48% PASSING	16% PASSING
GLOBAL	77 students	26 students
	13% PASSING	12% PASSING
US HISTORY	67 students	69 students
	18% PASSING	23% PASSING
LIVING ENVIRONMENT	28 students	22 students
	7% PASSING	18% PASSING
EARTH SCIENCE	33 students	12 students
	6% PASSING	17% PASSING

ELA, Algebra, Global, June 2016: Gender and Race Correlation/Analyses

GENDER			
Alg 1	Total Tested	# passed	% passed
• Male	103	63	61%
• Female	119	85	71%
ELA	Total Tested	# passed	% passed
• Female	86	73	85%
• Male	79	66	84%
Global	Total Tested	# passed	% passed
• Male	52	22	42%
• Female	66	29	44%

Race			
Alg 1	Total Tested	# passed	% passed
• AA	68	40	59%
• Latino	125	86	69%
• White	24	18	75%
• Asian	4	4	100%
ELA	Total Tested	# passed	% passed
• AA	71	59	83%
• Latino	71	61	86%
• White	18	15	83%
• Asian	3	3	100%
Global	Total Tested	# passed	% passed
• AA	45	16	36%
• Latino	56	24	43%
• White	13	8	62%
• Asian	3	3	100%

Regents (MALES)

Alg 1	Total Tested	# passed	% passed
• AA	31	18	58%
• Latino	56	33	59%
• White	13	9	69%
• Asian	3	3	100%
ELA	Total Tested	# passed	% passed
• AA	31	26	84%
• Latino	37	31	84%
• White	8	6	75%
• Asian	2	2	100%
Global	Total Tested	# passed	% passed
• AA	16	6	38%
• Latino	28	10	36%
• White	7	5	71%
• Asian	1	1	100%

Regents (FEMALES)

Alg 1	Total Tested	# passed	% passed
• AA	37	22	59%
• Latino	69	53	77%
• White	11	9	82%
• Asian	1	1	100%
ELA	Total Tested	# passed	% passed
• AA	40	33	83%
• Latino	34	30	88%
• White	10	9	90%
• Asian	1	1	100%
Global	Total Tested	# passed	% passed
• AA	29	10	34%
• Latino	28	14	50%
• White	6	3	50%
• Asian	2	2	100%

Graduation Rate & Correlation

GRADUATION									
					GENDER		ETHNICITY		
SCHOOL YEAR	GRAD RATE	GEN ED	SPED	SES	MALE	FEMALE	W	AA	H
2013-14	67% (149)	72% (134)	43% (15)	63% (92)	66% (78)	69% (71)	68% (15)	66% (56)	66% (71)
2014-15	66% (129)	70% (116)	42% (13)	66% (88)	63% (59)	69% (70)	77% (10)	67% (55)	63% (60)
2015-16	*79% (137)								

District Comprehensive Improvement Plan

Tenet One: <i>District Leadership</i>	Provide High Quality, Systemically-Aligned, and Consistent PD	Planned, Accountable, Feedback, Support, Resources, Collaboration
Tenet Two: <i>School Leader</i>	Implementation of Content/Language Objectives	Training, Planned, Entry Conversations, Accountable, Feedback, PLC's, Walkthroughs
Tenet Three: <i>Curricular Dev.</i>	Data driven lessons and instructional approaches	Differentiated support, data teams and protocols, data analysis support, Explicit focus & purpose, data meetings
Tenet Four: <i>Teacher Practices</i>	Use higher-order questioning to foster critical thinking	Observations, walkthroughs, informal/formal PD, lesson plans
Tenet Five: <i>Social/Emotional Support</i>	Design a districtwide system to monitor the various interventions and supports	Committee development, all stakeholders, align all systems (PBIS, RtI, Wellness, etc), attendance matters support
Tenet Six: <i>Family/Comm.</i>	Increase parent/community involvement (academic/social/emotional)	Councils, City meetings, Language, Workshops, Focused, Calendars

***This Concludes the Superintendent's Report**

--Be Good to Yourself and Each Other--

"Be the Change you wish to see in the World."

M. Ghandi



Thank You and Enjoy the Evening

Have A Successful and Peaceful School Year