



PINE-RICHLAND SCHOOL DISTRICT

Academic Achievement Report

October 27, 2014





Presentation Outline

- The 2014 Academic Achievement Report focuses on a review and analysis of several standardized assessments.
- In this case, the test results serve as “assessments of learning” received well after the test is administered to provide “lagging indicators” of student learning at a snapshot in time (i.e., summative assessments).





Types of Assessments

	Diagnostic	Formative	Benchmark	Summative
Purpose	Guide instruction specifically targeted to meet students' needs, including students' strengths and weaknesses	Inform ongoing classroom instruction so that adjustments to instruction can be made	Determine how well students are progressing toward demonstrating proficiency on a set of designated grade-level curriculum content standards	Determine the degree to which students have mastered a designated set of curriculum content standards
Impact on Instruction	Tools that provide alignment to units, lesson plans, and other resources based on students' needs.	Classroom-based activities integrated into instruction and learning with teachers and students receiving frequent feedback	Low-stakes assessments used to predict how students will do on the high-stakes summative assessments	Assessments used for accountability
Intended Users of the Results	Students, parents, and educators	Students, parents, and educators	Students, parents, and educators	Educators, parents, public at large, and district personnel
Examples	Classroom Diagnostic Tools (CDT) Teacher-created diagnostics	Teacher-selected Classroom assessments Response cards White boards Random selection	Acuity Assess2Know 4-Sight	PSSA Keystone Exams ACCESS for ELLs End of Unit/Chapter Tests District End of Course Exams
Type of Information Provided 5/21/2012	Provides a more complete picture of a student's or group of students' strengths and weaknesses so that instruction can be targeted directly at meeting student needs	Provides feedback related to a specific unit or lesson so that feedback can be used to inform classroom instruction and learning during the teaching/learning process	Provides information on the degree to which students have mastered a given concept or how students are progressing toward demonstrating proficiency on grade-level content standards	Provides information on students' mastery of a given set of content standards



Presentation Outline

- *Focused on Learning* describes several concepts:
 - Achievement and Growth
 - Inside and Outside the Classroom
 - Effort and Persistence
 - Different Learning Styles Require Varied Approaches
- As a school district, we want to consider the multiple factors that impact learning and the overall student experience (e.g., school culture, collaboration, instruction, relationships, etc.).





Overview of Assessments

- Within that broader picture, tonight's presentation will more narrowly focus on a selection of high stakes assessments:
 - Pennsylvania System of School Assessment (PSSA) and Keystone Exams
 - Pennsylvania Value-Added Assessment System (PVAAS)
 - Scholastic Aptitude Test (SAT)
 - American College Test (ACT)
 - Advanced Placement (AP)
 - School Performance Profile (SPP)





PSSA

- PSSAs are state assessments for students in grades 3 – 8 in mathematics and reading. In addition, writing is assessed in grades 5 and 8. Science is tested in grades 4 and 8.
- The following performance levels are utilized: Advanced; Proficient; Basic; and Below Basic.





PSSA Math

GRADE 3 PSSA MATH

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	241	66.8	248	71.3	240	73.8	237	66.8	242	74	39.7
PROF	108	29.9	92	26.4	73	22.5	94	26.5	74	22.6	35.3
ADV/PRO	349	96.7	340	97.7	313	96.3	331	93.2	316	96.6	75
BASIC	12	3.3	6	1.7	6	1.8	19	5.4	9	2.8	14.6
BEL BAS	0	0	2	0.6	6	1.8	5	1.4	2	0.6	10.3
# TESTED	361		348		325		355		327		124,702

Students with IEPs

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	19	34.5	22	44.9	21	38.2	12	25	30	53.6	17.6
PROF	25	45.5	23	46.9	23	41.8	19	39.6	19	33.9	28.9
ADV/PRO	44	80.0	45	91.8	44	80.0	31	64.6	49	87.5	46.5
BASIC	10	18.2	2	4.1	5	9.1	12	25.0	5	8.9	22.7
BEL BAS	1	1.8	2	4.1	6	10.9	5	10.4	2	3.6	30.8
# TESTED	55		49		55		48		56		19,162



PSSA Math

Female Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	103	65.2	108	66.7	112	74.2	109	63.4	110	73.8	38.3
PROF	49	31.0	49	30.2	34	22.5	52	30.2	35	23.5	36.4
ADV/PRO	152	96.2	157	96.9	146	96.7	161	93.6	145	97.3	74.7
BASIC	6	3.8	4	2.5	3	2.0	8	4.7	4	2.7	15.4
BEL BAS	0	0	1	0.6	2	1.3	3	1.7	0	0	9.9
# TESTED	158		162		151		172		149		60,758

Male Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	138	67.0	140	75.3	128	73.6	128	69.9	136	74.7	41.1
PROF	60	29.1	43	23.1	39	22.4	42	23	39	21.4	34.4
ADV/PRO	198	96.1	183	98.4	167	96.0	170	92.9	175	96.1	75.5
BASIC	7	3.4	2	1.1	3	1.7	11	6.0	5	2.7	13.8
BEL BAS	1	0.5	1	0.5	4	2.3	2	1.1	2	1.1	10.7
# TESTED	206		186		174		183		182		63,862



PSSA Math

GRADE 3

	2013			2014		
	Mean	Max	Percent	Mean	Max	Percent
M.A	29.8	33	90	34.5	40	86
M.A.1	15.8	17	93	14.5	17	85
M.A.2	4.6	5	92	6.0	7	85
M.A.3	9.4	11	86	14.1	16	88
M.B	8.3	10	83	8.2	10	82
M.B.1	7.4	9	82	6.6	8	82
M.B.2	0.9	1	95	1.7	2	83
M.C	9.1	10	91	NT	0	NT
M.C.1	5.4	6	91	NT	0	NT
M.C.2	3.7	4	92	NT	0	NT
M.C.3	NT	0	NT	NT	0	NT
M.D	9.2	10	92	9.5	11	96
M.D.1	2.8	3	94	2.0	2	99
M.D.2	6.4	7	91	7.5	9	83
M.D.3	NT	0	NT	NT	0	NT
M.D.4	NT	0	NT	NT	0	NT

M.B Measurement

M.B.1 Demonstrate an understanding of measurable attributes of objects and figures, and the units, systems and processes of measurement

M.B.2 Apply appropriate techniques, tools, and formulas to determine measurements



PSSA Math

GRADE 4 PSSA MATH

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	221	67.4	269	72.1	261	74.8	235	69.3	281	77.4	49.2
PROF	83	25.3	73	19.6	72	20.6	73	21.5	48	13.2	27.0
ADV/PRO	304	92.7	342	91.7	333	95.4	308	90.8	329	90.6	76.2
BASIC	11	3.4	20	5.4	12	3.4	18	5.3	14	3.9	8.8
BEL BAS	13	4.0	11	2.9	4	1.1	13	3.8	20	5.5	14.9
# TESTED	328		373		349		339		363		126,911

GRADE 5 PSSA MATH

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	189	57.1	193	57.3	231	61.6	224	64.4	219	60.8	44.4
PROF	84	25.4	96	28.5	90	24.0	94	27.0	88	24.4	22.8
ADV/PRO	273	82.5	289	85.8	321	85.6	318	91.4	307	85.2	67.2
BASIC	43	13.0	37	11.0	43	11.5	29	8.3	32	8.9	17.4
BEL BAS	15	4.5	11	3.3	11	2.9	1	0.3	21	5.8	15.4
# TESTED	331		337		375		348		360		126,693



PSSA Math

GRADE 6 PSSA MATH

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	242	68.2	255	76.1	266	77.6	273	70.5	252	71.4	48.7
PROF	66	18.6	51	15.2	54	15.7	77	19.9	62	17.6	23.2
ADV/PRO	308	86.8	306	91.3	320	93.3	350	90.4	314	89	71.9
BASIC	28	7.9	16	4.8	15	4.4	18	4.7	25	7.1	13.9
BEL BAS	19	5.4	13	3.9	8	2.3	19	4.9	14	4.0	14.1
# TESTED	355		335		343		387		353		126,128

GRADE 7 PSSA MATH

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	240	67.0	242	68.8	261	77.5	263	72.2	269	69.3	52.1
PROF	86	23.9	68	19.6	53	15.3	65	18.1	79	20.1	23.6
ADV/PRO	326	90.9	310	88.1	314	92.8	328	90.3	348	89.4	75.7
BASIC	23	5.9	24	6.5	16	4.8	20	5.6	22	5.7	11.7
BEL BAS	11	3.0	19	5.4	8	2.4	16	4.2	18	4.9	12.6
# TESTED	360		353				364		388		130,189



PSSA Math

GRADE 8 PSSA MATH

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	236	66.3	264	70.7	266	76.5	244	69.9	275	75.5	52
PROF	85	23.9	86	23.1	67	19.4	80	22.9	64	17.5	21.6
ADV/PRO	321	90.2	350	93.8	343	95.9	324	92.8	339	93.0	73.6
BASIC	29	8.1	20	5.4	10	2.9	13	3.7	18	5.0	10.8
BEL BAS	6	1.7	3	0.08	4	1.2	12	3.4	7	1.9	15.6
# TESTED	356		373		347		349		364		131,363





PSSA Math - Findings

- Pine-Richland students outperformed the state average at all levels of the PSSA Math assessment.
- At most grade levels on the PSSA Math assessment, the percentage of students scoring at the advanced/proficient level has remained high and stable over time (i.e., approximately 90%).
- On the third grade assessment, 53.6% of students with an IEP scored at the Advanced level which represents a historic high.
- In PSSA math, the 2014 results demonstrate that male and female students are performing at similar levels across all tested grade levels.
- A five-year analysis of average score related to assessment anchors will help provide areas of focus within the curriculum (e.g., measurement).





PSSA Reading

GRADE 3 PSSA READING

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	160	44.0	135	38.8	145	44.6	151	42.5	160	48.3	25.8
PROF	164	45.1	183	52.6	154	47.4	168	47.3	147	44.4	44.5
ADV/PRO	324	89.1	318	91.4	299	92.0	319	89.9	307	92.7	70.3
BASIC	22	6.0	20	5.7	10	3.1	16	4.5	14	4.2	10.4
BEL BAS	18	4.9	10	2.9	16	4.9	20	5.6	10	3.0	19.3
# TESTED	364		348		325		355		331		124,659

GRADE 4 PSSA READING

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	151	45.2	168	46.3	141	41.7	148	43.5	175	48.2	32.4
PROF	124	37.1	153	42.1	167	49.4	137	40.3	138	38.0	36.2
ADV/PRO	275	82.3	321	88.4	308	91.1	285	83.8	313	86.2	68.6
BASIC	37	11.1	36	9.9	23	6.8	42	12.4	28	7.7	15.6
BEL BAS	22	6.6	6	1.7	7	2.1	13	3.8	22	6.1	15.7
# TESTED	334		363		338		340		363		126,887



PSSA Reading

GRADE 5 PSSA READING

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	91	26.8	100	29.9	154	41.5	127	36.5	125	34.9	24.2
PROF	161	47.5	166	49.7	149	40.2	156	44.8	163	45.5	36.3
ADV/PRO	252	74.3	266	79.6	303	81.7	283	81.3	288	80.4	60.5
BASIC	54	15.9	52	15.6	51	13.7	46	13.2	49	13.7	18.0
BEL BAS	33	9.7	16	4.8	17	4.6	19	5.5	21	5.9	21.4
# TESTED	339		334		371		348		358		126,639

GRADE 6 PSSA READING

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	210	62.9	176	51.5	198	51.4	198	51.4	184	52.4	37.4
PROF	91	27.2	118	34.5	113	29.4	113	29.4	114	32.5	27.1
ADV/PRO	301	90.1	294	86.0	311	80.8	311	80.8	298	84.9	64.5
BASIC	19	5.7	36	10.5	55	14.3	55	14.3	39	11.1	17.5
BEL BAS	14	4.2	12	3.5	19	4.9	19	4.9	14	4.0	18.0
# TESTED	334		342		385		385		351		126,044



PSSA Reading

GRADE 7 PSSA READING

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	216	59.3	219	61.6	203	60.3	234	64.7	243	62.9	41.7
PROF	111	29.9	97	27.4	115	33.7	87	23.9	102	26.4	30.3
ADV/PRO	327	89.2	316	89.0	318	94.0	321	88.6	345	89.3	72.0
BASIC	28	7.8	22	6.2	15	4.5	28	7.8	35	9.1	15.7
BEL BAS	11	3.0	17	4.8	5	1.5	14	3.6	6	1.6	12.2
# TESTED	366		355		338		363		386		130,053

GRADE 8 PSSA READING

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	257	71.0	290	77.5	280	80.9	265	75.9	283	77.7	54.7
PROF	77	21.3	72	19.3	51	14.5	63	18.1	66	18.1	24.9
ADV/PRO	334	92.2	362	96.8	331	95.4	328	94	349	95.8	79.6
BASIC	20	5.5	11	2.9	12	3.5	8	2.3	8	2.2	9.4
BEL BAS	8	2.2	1	0.3	4	1.2	13	3.7	7	1.9	11.0
# TESTED	362		374		347		349		364		131,218



PSSA Reading

- From a broad perspective, a five-year comparison of PRSD levels and trends in reading indicates high, stable scores.
- In PSSA reading, the 2014 combined advanced/proficient results demonstrate that female students are outperforming male students at all grade levels.
- Based on an analysis of assessment anchors, Interpretation/Analysis of Fiction/Non-Fiction Texts provide an opportunity for further review.





PSSA Writing

GRADE 5 PSSA WRITING

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	12	3.5	12	3.5	4	1.1	6	1.8	39	10.8	5.1
PROF	264	77.6	278	81.3	285	75.6	255	74.8	252	70.0	56.2
ADV/PRO	276	81.2	290	84.8	289	76.7	261	76.5	291	80.8	61.3
BASIC	61	17.9	51	14.9	88	23.8	80	23.5	67	18.6	36.5
BEL BAS	3	0.9	1	0.3	0	0	0	0	2	0.6	2.3
# TESTED	340		342		377		341		360		124,666

GRADE 8 PSSA WRITING

Total Students

	2010		2011		2012		2013		2014		2014 PA
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Percent
ADV	79	21.7	53	14.2	92	26.4	73	20.7	75	20.7	9.8
PROF	256	71.4	287	75.5	236	67.0	251	71.6	264	72.1	63.7
ADV/PRO	335	93.1	339	89.7	331	93.4	320	92.3	339	92.8	73.5
BASIC	25	6.7	38	10.0	21	5.7	24	6.9	25	7.0	22.6
BEL BAS	0	0.3	0	0.3	35	0.9	3	0.9	1	0.3	3.8
# TESTED	360		377		352		348		365		130,302



PSSA Writing

- In the area of writing, the state “average” percentages for the advanced performance level are markedly lower than any other assessment.
- There are no state proficiency targets for writing. Beginning in 2015, the writing-specific test will be eliminated. Writing will not be incorporated within the English Language Arts (ELA) assessment.
- PRSD performance on the PSSA writing assessment is stable with little trend information.





PSSA Science

GRADE 4 PSSA SCIENCE

Total Students

	2010		2011		2012		2013		2014		2014 PA Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
ADV	185	55.6	235	63.9	195	56.4	181	53.4	220	61.3	43.2
PROF	109	32.7	111	30.2	128	37.0	130	38.3	110	30.6	36.0
ADV/PRO	294	88.8	346	94.0	323	93.4	311	91.7	330	91.9	79.2
BASIC	24	7.2	17	4.6	17	4.9	22	6.5	21	5.8	11.4
BEL BAS	15	4.5	5	1.4	6	1.7	6	1.8	8	2.2	9.4
# TESTED	333		368		346		339		359		127,105

GRADE 8 PSSA SCIENCE

Total Students

	2010		2011		2012		2013		2014		2014 PA Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
ADV	137	37.2	136	36.3	146	41.8	138	39.4	113	31.3	25.6
PROF	151	40.5	158	42.2	142	40.1	155	44.8	165	45.0	34.9
ADV/PRO	288	77.7	294	78.5	288	81.9	293	84.2	278	76.3	60.5
BASIC	48	13.2	57	14.8	53	13.7	42	10.6	60	16.8	16.6
BEL BAS	37	9.1	26	6.7	18	4.4	18	5.2	26	7.0	22.9
# TESTED	369		377		355		353		364		130,918



PSSA Science

- In 4th and 8th grade, PSSA science results indicate a high level of combined advanced/proficient performance compared to the state.
- PVAAS analyses will provide another lens to evaluate student performance in science.
- On-going review of eligible content for science in grades K-8.





PSSA Next Steps

- Incorporate data analysis as one component of the internal analysis stage of the curriculum process.
- Utilize trend information from the current assessment anchors as an additional piece of information to focus instruction and learning activities.
- Increase familiarity of teachers and students with the revised eligible content for the new PSSA ELA and Math test.
- Become familiar with the format and structure of the new PSSA ELA test so that students are able to confidently “show what they know” due to comfort with the design.
- Review PVAAS results – in conjunction with achievement results – to guide decision making.





Keystone Exams

- The Keystone Exams are end-of-course assessments in Algebra I, Literature, and Biology that replaced the grade 11 PSSA tests for the purpose of compliance with federal requirements.
- The following performance levels are utilized: Advanced; Proficient; Basic; and Below Basic.





Keystone Algebra 1

SENIORS

Class of
2015

	2010-11 School Year				2011-2012 School Year					
	Grade 8 Spring		Grade 8 Summer		Grade 9 Winter		Grade 9 Spring		Grade 9 Summer	
	# scoring	percent	# scoring	percent	# scoring	percent	# scoring	percent	# scoring	percent
ADV	45	28								
PROF	96	59								
ADV/PRO	141	87								
BASIC	21	13								
BEL BAS	0	0								
# Tested	162		0		0		0		0	

SENIORS (continued)

Class of 2015	2012-13 School Year						2013-2014 School Year					
	Grade 10 Winter		Grade 10 Spring		Grade 10 Summer		Grade 11 Winter		Grade 11 Spring		Grade 11 Summer	
	# scoring	percent	# scoring	percent	# scoring	percent	# scoring	percent	# scoring	percent	# scoring	percent
ADV	66	28	1	8			7	6	0	0	0	0
PROF	74	31	2	17			51	47	13	26	2	25
ADV/PRO	140	59	3	25			58	53	13	26	2	25
BASIC	92	39	7	58			49	45	35	70	6	75
BEL BAS	5	2	2	17			2	2	2	4	0	0
# Tested	237		12		0		109		50		8	



Keystone Algebra 1

GRADE 7

	2011 Number	2011 Percent	2013 Number	2013 Percent	2014 Number	2014 Percent
ADV	30	53	57	92	69	86
PROF	24	42	5	8	11	14
ADV/PRO	54	95	62	100	80	100
BASIC	2	4	0	0	0	0
BEL BAS	1	2	0	0	0	0
# TESTED	57		62		80	

GRADE 8

	2011 Number	2011 Percent	2013 Number	2013 Percent	2014 Number	2014 Percent
ADV	45	28	99	47	98	46
PROF	96	59	93	44	88	41
ADV/PRO	141	87	192	91	187	87
BASIC	21	13	19	9	26	12
BEL BAS	0	0	0	0	1	1
# TESTED	162		211		213	

GRADE 9

	2011 Number	2011 Percent	2013 Number	2013 Percent	2014 Number	2014 Percent
ADV			10	7	5	6
PROF			50	36	30	34
ADV/PRO			60	43	35	40
BASIC			63	45	48	54
BEL BAS			16	11	5	6
# TESTED	0		139		88	



Keystone Literature

GRADUATES

Class of 2014	2012-13 School Year				2013-2014 School Year			
	Grade 11 Winter		Grade 11 Spring		Grade 12 Winter		Grade 12 Spring	
	# scoring	percent	# scoring	percent	# scoring	percent	# scoring	percent
ADV	104	28			1	3		
PROF	230	62			20	57		
ADV/PRO	334	90			21	60		
BASIC	30	8			10	29		
BEL BAS	9	2			4	11		
# Tested	373		0		35		0	

SENIORS

Class of 2015	2012-13 School Year				2013-2014 School Year					
	Grade 10 Winter		Grade 10 Spring		Grade 11 Winter		Grade 11 Spring		Grade 11 Summer	
	# scoring	percent	# scoring	percent	# scoring	percent	# scoring	percent	# scoring	percent
ADV			87	23	2	4	0	0	0	0
PROF			238	63	28	54	6	27	0	0
ADV/PRO			325	86	30	58	6	27	0	0
BASIC			47	13	22	42	16	73	1	100
BEL BAS			4	1	0	0	0	0	0	0
# Tested	0		376		52		22		1	



Keystone Literature

GRADE 9

	2013 Number	2013 Percent	2014 Number	2014 Percent
ADV	69	18	47	14
PROF	246	64	237	68
ADV/PRO	315	82	284	82
BASIC	60	16	57	16
BEL BAS	9	2	8	2
# TESTED	384		349	

GRADE 10

	2013 Number	2013 Percent	2014 Number	2014 Percent
ADV	87	23		
PROF	238	63		
ADV/PRO	325	86		
BASIC	47	13		
BEL BAS	4	1		
# TESTED	376			



Keystone Biology

JUNIORS

Class of 2016	2012-13 School Year				2013-2014 School Year					
	Grade 9 Winter		Grade 9 Spring		Grade 10 Winter		Grade 10 Spring		Grade 10 Summer	
	# scoring	percent	# scoring	percent	# scoring	percent	# scoring	percent	# scoring	percent
ADV			137	60	0	0	21	13	0	0
PROF			82	36	3	33	67	42	1	14
ADV/PRO			219	96	3	33	88	55	1	14
BASIC			9	4	5	56	48	30	6	86
BEL BAS			0	0	1	11	25	16	0	0
# Tested	0		228		9		161		7	

SOPHOMORES

Class of 2017	2013-14 School Year					
	Grade 9 Winter		Grade 9 Spring		Grade 9 Summer	
	# scoring	percent	# scoring	percent	# scoring	percent
ADV			125	52	0	0
PROF			100	41	1	50
ADV/PRO			225	93	1	50
BASIC			15	6	1	50
BEL BAS			2	1	0	0
# Tested	0		242		2	



Keystone Biology

GRADE 9

	2013 Number	2013 Percent	2014 Number	2014 Percent
ADV	137	60	125	52
PROF	82	36	100	41
ADV/PRO	219	96	225	93
BASIC	9	4	15	6
BEL BAS	0	0	2	1
# TESTED	228		242	

GRADE 10

	2013 Number	2013 Percent	2014 Number	2014 Percent
ADV	26	15	21	13
PROF	91	52	67	42
ADV/PRO	117	67	88	55
BASIC	46	26	48	30
BEL BAS	12	7	25	15
# TESTED	175		161	



Keystone Exams

- Keystone Exam results become more difficult to analyze given the fact that testing occurs across multiple windows and the same test is given at multiple grade levels. In addition, the student's "best" performance reflects the combination of their best two "modules" of performance.
- Results indicate that end-of-course assessments are being given in the appropriate year for Literature. The Biology and Algebra 1 exams naturally align with those courses.





PVAAS







- The Pennsylvania Value-Added Assessment System (PVAAS) is a statistical analysis of state assessment data that provides districts and schools with growth data to add to achievement data (i.e., “year’s worth of growth in a year’s time”).









PVAAS

District Value Added

-  Significant evidence that the School exceeded the standard for PA Academic Growth
-  Moderate evidence that the School exceeded the standard for PA Academic Growth
-  Evidence that the School met the standard for PA Academic Growth
-  Moderate evidence that the School did not meet the standard for PA Academic Growth
-  Significant evidence that the School did not meet the standard for PA Academic Growth
-  No data currently available

District Performance Diagnostic

-  Moderate evidence that the group exceeded the Std. for PA Acad. Growth.
-  Evidence that the group met the Std. for PA Acad. Growth.
-  Moderate evidence that the group did not meet the Std. for PA Acad. Growth.
-  There were not enough students to define growth.



PVAAS - Math

MATHEMATICS 2014

Report: District Launchpad

District: Pine-Richland School District

	PSSA Grade 4	PSSA Grade 5	PSSA Grade 6	PSSA Grade 7	PSSA Grade 8	Keystone
Math						
Value Added	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>
Perf Diagnostic						Algebra I





PVAAS - Reading

READING 2014

Report: District Launchpad

District: Pine-Richland School District

	PSSA Grade 4	PSSA Grade 5	PSSA Grade 6	PSSA Grade 7	PSSA Grade 8	Keystone
Reading						
Value Added	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>
Perf Diagnostic						Literature





PVAAS - Writing

WRITING 2014

Report: District Launchpad

District: Pine-Richland School District

	PSSA Grade 4	PSSA Grade 5	PSSA Grade 6	PSSA Grade 7	PSSA Grade 8	Keystone
Writing						
Value Added		<div>2014</div> <div></div>			<div>2014</div> <div></div>	
Perf Diagnostic						





PVAAS - Science

SCIENCE 2014

Report: District Launchpad

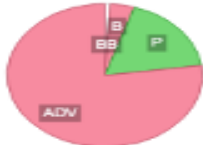


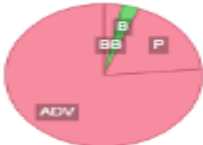
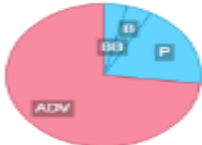

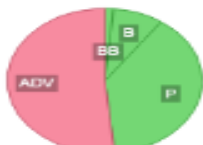
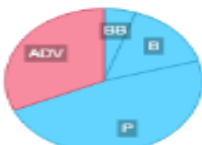
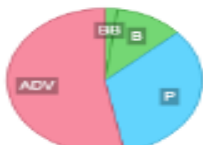




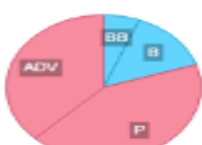



District: Pine-Richland School District

	PSSA Grade 4	PSSA Grade 5	PSSA Grade 6	PSSA Grade 7	PSSA Grade 8	Keystone
Science						
Value Added	<div>2014</div> <div></div>				<div>2014</div> <div></div>	<div>2014</div> <div></div>
Perf Diagnostic						<p>Biology</p>





PVAAS – Full View

	PSSA Grade 4	PSSA Grade 5	PSSA Grade 6	PSSA Grade 7	PSSA Grade 8	Keystone
Math						
Value Added	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>
Perf Diagnostic						Algebra I 
Reading						
Value Added	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>	2014 <input type="text"/>
Perf Diagnostic						Literature 
Science						
Value Added	2014 <input type="text"/>				2014 <input type="text"/>	2014 <input type="text"/>
Perf Diagnostic		Pine-Richland School District Launch Pad				Biology 
Writing						
Value Added		2014 <input type="text"/>			2014 <input type="text"/>	
Perf Diagnostic						



PVAAS

- As a data analysis tool, PVAAS provides a powerful opportunity to assess the growth of students.
- In conjunction with other assessment results, PVAAS will help provide a clearer picture of student learning and help analysis of interventions for students across the continuum.
- Other reports – such as the quintile diagnostic report – may give us an even deeper understanding of how the educational program is working for groups of students.





SPP

- **School Performance Profile**
 - **Building-based Score**
 - **40% = Achievement**
 - **5% = Closing Achievement Gap (All Students)**
 - **5% = Closing Achievement Gap (Historically Underperforming Students)**
 - **40% = PVAAS**
 - **10% = Other Academic Indicators**





SAT

- The SAT is a globally recognized college admission test in reading, writing and math.
- For each of the sub-tests, a score of 800 is possible for a combined total of 2400.
- The results can be compared on a state and global level.





SAT

Percent of Graduating Class Taking the SATs

	2010	2011	2012	2013	2014
Total # taking test	290	295	331	328	333
Total # graduates	333	333	363	372	367
% taking test	87.1	88.6	91.2	88.2	92.5

Participation over Time

	2010	2011	2012	2013	2014
District	290	295	331	328	333
State	106243	105907	104220	101368	99460
TL Group	1597329	1647123	1664479	1660047	1672365

Combined Mean Scores over Time

	2010 F/M	2011 F/M	2012 F/M	2013 F/M	2014 F/M
District	1643	1650	1639	1676	1638
State	1470	1473	1472	1480	1481
TL Group	1506	1500	1498	1498	1497



SAT

CRITICAL READING

Means Scores over Time

	2010	2011	2012	2013	2014
PRHS	544	546	543	549	539
State	491	493	491	494	497
TL Group	500	497	496	496	497

MATHEMATICS

Means Scores over Time

	2010	2011	2012	2013	2014
PRHS	568	571	561	577	562
State	500	501	501	504	504
TL Group	515	514	514	514	513

WRITING

Means Scores over Time

	2010	2011	2012	2013	2014
PRHS	531	533	535	550	537
State	479	479	480	482	480
TL Group	491	489	488	488	487



SAT

- PRSD participation has remained stable over the past five years despite a five-year trend decrease at the state level.
- A historic high of 92.5% of seniors completed the SAT test in 2014.
- PRSD students outperformed the total group math, critical reading and writing (i.e., PA and Global).
- At PRSD, male students outperformed female students in SAT math at a similar ratio to the national average.
- At PRSD, female students outperformed male students in the SAT reading and writing results at levels that contrast the national results.
- The opportunity exists to consider developing and implementing an SAT preparation course (i.e., outside of the regular school day).





ACT

- The ACT assessment measures skills in English, reading, mathematics, and science reasoning.
- For each category and as a composite, a score of 36 is possible.
- The results can be compared on a state and national level.





ACT

Participation over Time

	2010	2011	2012	2013	2014
TL # PR Students	138	161	171	206	182
TL # PR Graduates	333	333	363	372	367
% of Class Tested	41.4	48.3	47.1	55.4	49.6
# PR Boys Tested	68	80	77	96	78
# PR Girls Tested	70	81	94	110	104
TL # PA Tested	24323	24280	25426	26171	27136
TL # US Tested	1568835	1623112	1666017	1799243	1845787

COMPOSITE

	2010	2011	2012	2013	2014
Pine-Richland	24.7	24.5	25.0	24.6	25.4
Pennsylvania	21.9	22.3	22.4	22.7	22.7
United States	21.0	21.1	21.1	20.9	21.0



ACT

- PRSD student performance on the ACT is stable in all tested areas and in the composite score (i.e., math, reading, English, science, and composite).
- Male and female performance on the ACT is similar: males slightly outperformed females in math and science; and females outperformed males in reading, English, and the composite score.
- As a group, PRSD students outperformed students in Pennsylvania and the United States.
- The opportunity exists to consider developing and implementing an ACT preparation course (i.e., outside of the regular school day).





AP

- The Advanced Placement Exam is a test on which students demonstrate mastery of particular subjects and readiness for a college-equivalent course.
- Students earn a score of 1 – 5 with “5” indicating “extremely well-qualified” and “3” as a “qualified” score.
- The results can be compared on a national level.





AP

PRHS AP Test Participation over Time

	2010	2011	2012	2013	2014
Total AP Students	342	389	453	450	486
Number of Exams	664	721	900	944	932
AP Students with Scores 3+	264	278	326	337	324

PRHS AP Test Performance vs. State and Global Performance over Time

	2010	2011	2012	2013	2014
% PRHS Students Scoring 3+	77.2	71.5	72.0	74.9	66.7
% State Students Scoring 3+	67.4	67.1	68.2	68.3	69.1
% Global Students Scoring 3+	60.2	60.2	61.5	60.9	61.3





AP

2014 PRHS AP Test Results

Subject Area Test	# Tests Taken	# Scored 3+	% Scored 3+	Avg Score
Biology	69	54	78.26	3.06
Calculus AB	25	16	64.00	3.08
Calculus BC	39	36	92.31	4.21
Chemistry	64	49	76.56	3.39
English Language	143	102	71.33	3.10
English Literature	60	47	78.33	3.28
European History	28	22	78.57	3.46
French Language	16	12	75.00	2.81
German Language	10	9	90.00	3.40
Microeconomics	122	51	41.80	2.34
Psychology	159	102	64.15	3.01
Spanish Language	8	8	100.00	4.25
Statistics	24	23	95.83	3.70
Studio Art: 2-D	14	14	100.00	3.64
Studio Art: Drawing	6	4	66.67	2.83
US Government	32	14	43.75	2.44
US History	108	82	75.93	3.29



Sample AP Results Over Time

BIOLOGY

	2010	2011	2012	2013	2014	PA 2014	Global 2014
5	20.0	13.7	14.3	0	2.9	8.2	6.6
4	24.4	37.3	20.8	28.9	24.6	26.9	22.4
3	24.4	14.0	19.5	51.3	50.7	37.1	35.1
3 and above	68.8	65.0	54.6	80.2	78.2	72.2	64.1
2	13.3	17.6	22.1	18.4	18.8	22.3	27.1
1	17.8	17.6	23.3	1.3	2.9	5.5	8.7
Total Tests Taken	45	51	77	76	69	6745	214275
Average Score	3.16	3.12	2.81	3.08	3.06	3.1	2.91





AP

- The total number of students taking an AP course and test has risen significantly in the last five years.
- Comparing 2010 to 2014, the number of AP students has increased from 342 to 486. In addition, the number of AP tests taken has increased from 664 to 932.
- An in-depth analysis of each AP course provides insight into enrollment and performance trends.





Next Steps

- Component of the Internal Analysis
- Utilize results from Assessment Anchors and Gap Analysis for PA Core to guide short-term implementation
- Consider development of an SAT and ACT prep course
- Discuss report and implications with building administration and department/grade level chairs





Questions

