

State Assessment Results Report 2016

METHACTON SCHOOL DISTRICT

PRESENTED NOVEMBER 2016

Overview

- Pennsylvania System of School Assessment (PSSA) Results
- Keystone Exam Results
- Pennsylvania Value-Added Assessment System (PVAAS)
- School Performance Profile (SPP)
- Successes & Focus Areas
- Next Steps

Assessments & Measures

Assessments:

- PSSA- based on achievement for a particular year (Grades 3-8)
- Keystones- based on achievement; may be taken more than ONCE (“End of course” exam for Algebra I, Biology & Literature)

Measures:

- PVAAS- measures students’ growth overtime as a cohort, based on achievement progression from one year to the next
- SPP- a school’s score includes all measures above, as well as closing the achievement gap, and opportunities for extra credit

Summary of 2016 PSSA State Results

from Pedro Rivera, PA Secretary of Education

- Student performance improved or remained steady in nearly every category of testing in Math and English Language Arts.
- While the percentage of students scoring at grade level or above (proficient or advanced) grew, there is still more to do to help the students scoring in the basic or below basic levels.
- Transitioning to the PA Core can be challenging for schools. The newer, more rigorous standards may require changes to alignment of curriculum, new resources, like textbooks, and updated professional development for educators, all requiring time and funding.
- Student performance on the PSSA underscores the importance of providing adequate resourcing to all schools in order to overcome the challenges of adopting new standards to ensure each student has access to the tools needed to learn and be prepared for the 21st century work force.
- While the transition to the PA Core is ongoing, the 2016 statewide data reinforces the notion that the longer students are educated using the new standards, the better they will perform.

2016 PSSA Results: Percent Proficient & Advanced

Grade Level	ELA			Math			Science		
	MSD	County	State	MSD	County	State	MSD	County	State
3	79.6%	75.3%	60.9%	73.8%	68.9%	54.4%	*	*	*
4	78.7%	73.6%	58.7%	75.0%	64.7%	46.6%	94.1%	87.9%	76.2%
5	84.0%	78.9%	61.5%	64.8%	65.6%	44.4%	*	*	*
6	79.6%	77.7%	61.7%	60.7%	60.0%	41.1%	*	*	*
7	84.7%	74.9%	61.5%	64.1%	52.9%	37.0%	*	*	*
8	79.5%	72.1%	58.4%	48.0%	43.7%	31.2%	78.3%	69.4%	57.7%

*Assessment not administered at this grade level

Percentages presented are based on state calculations released in October 2016

Keystone Results 2016

Percent Proficient & Advanced

Exam	MHS	County	State
Algebra I	85.8%	78.8%	68.2%
Biology	88.4%	81.2%	76.8%
Literature	90.4%	84.5%	65.7%

MHS & County percentages presented are based on state calculations per the 2016 SPP results and reflect scores of current 12th grade students.

Arcola proficient/advanced scores on Algebra I= 88.7%

Achievement & Growth

Achievement

- Measures a student's performance at one single point in time
- Highly correlated with students' demographics
- Compares student performance to PA Core Standards
- Each year, grade level achievement is reported on a different group of students

Growth

- Measures a group of students' growth across time; i.e., across years
- Typically little to no relationship with students' demographics
- Compares performance of a student group to their own prior performance
- From year to year, growth is measured on the same group of students

PVAAS 2016

Grade Level	Met or Exceeded Growth Standard
11 th	Algebra I (70%), Biology (100%), Literature (55%)
8 th	Algebra I (69%), Science (91%), ELA, Math
7 th	ELA (93%) & Math (100%)
6 th	ELA, Math (54%)
5 th	ELA (100%), Math
4 th	ELA, Math (100%), Science (100%)

*Subject areas that appear in **blue** are those in which at least 50% students met or exceeded the growth standard at the designated grade level.*

SPP Calculations

Areas representing 50 percent of the school academic performance score:

- **Indicators of Academic Achievement**
- **Indicators of Closing the Achievement Gap for All Students**
- **Indicators of Closing the Achievement Gap for Historically Underperforming Students**

Areas representing 40 percent of the school academic performance score:

- **Indicators of Academic Growth/PVAAS**

The final 10 percent of the school academic performance score is based on:

- **Other Academic Indicators** (graduation, promotion, and attendance rates)

Schools may earn up to 7 additional points via Extra Credit for Advanced Achievement based upon advanced performance on state and industry assessments, and for students earning 3 or higher on an Advanced Placement exam or 4 or higher on an International Baccalaureate exam.

Closing the Achievement Gap

- Based on the percentage of proficient and advanced students

- Scores are recorded for “baseline year” in each subject area

- Schools with Keystone scores use 2013 as the baseline year

- Schools with PSSAs use 2015 as the baseline year

- Schools have 6 years to “close the achievement gap”

- Example:

- A high school with a proficient/advanced total of 80% in 2013, would have to close the gap by 10% by the year 2019.

- The 10% is calculated on a yearly basis, so in each of the 6 years, the school would be expected to increase achievement scores by at least 1.67%.

2016 SPP Scores

Building	SPP Score
Methacton High School	85.4
Arcola Intermediate School	74.2
Skyview Upper Elementary School	68.3
Arrowhead Elementary School	82.1
Audubon Elementary School	70.7
Eagleville Elementary School	75.2
Woodland Elementary School	72.1
Worcester Elementary School	81.6

Successes PSSAs & Keystone

➤ PSSAs

- Increase in ELA achievement, grades 5 & 7
- Increase in math achievement , grades 4 & 6-8
- Increase in science achievement, grades 4 & 8

➤ Keystones

- Increase in Algebra I achievement, grade 8
- Increase in Biology achievement, grade 11

Successes PVAAS & SPP

➤ PVAAS

- At all levels, growth standards were met or exceeded for the majority of students in one or more subject areas
 - Growth in science was consistent across grades 4, 8, & 11
 - Growth in math was evident in 5 of 6 grade levels
 - Growth in ELA was evident in 3 of 6 grade levels

➤ SPP

- “Extra credit” points
 - All schools received points for advanced achievement
 - MHS received additional points for scores of 3 or higher on AP exams
- Evidence of meeting at least expected growth toward closing the achievement gap :
 - 5 buildings in math for “all” students
 - 4 buildings in science for “all” students
 - 2 buildings in math for Historically Underperforming Students
 - 2 buildings in science Historically Underperforming Students

Focus Areas

All areas require regular review of proficiency in skills

- Strengthen ELA at all grade levels
 - Ensure curriculum alignment to PA Core
 - Select resources to match curriculum needs
 - Provide appropriate professional development
- Continue to work on implementing core-aligned math instruction
 - Identify areas within resources to supplement
 - Provide appropriate professional development for areas of greatest need
- Enhance efforts for growth across specific student groups (IEP, ELL, ED)

Actions to Address Focus Areas in ELA & Math

➤ ELA

- Developed grade-level skills documents based on PA-Core
- Investigating new ELA resources for K-6
- Implementing focused literacy instruction in grades 5 & 6
- Made updates to ELA in grades 7 & 8

➤ Math

- Support teachers continue to work with new resources, assist with data, and provide other supports to teachers as needed
- *Math in Focus* ongoing teacher training & Parent Universities

Actions to Address Focus Areas for Growth

- Growth across HU groups
 - Providing additional reading and math support in Title I schools through the use of Instructional Aides
 - Using new core resources with all students & involving all teachers in professional development
 - Using a “team approach” for attending appropriate professional development workshops

Next Steps

- Select Core-aligned ELA Resources for K-6
- Target focus areas for secondary ELA
- Provide professional development in targeted areas based on:
 - Focus skills
 - Formative assessment
- Update Algebra I textbooks for 8th & 9th grade
- Continue curriculum review in designated areas
- Continue support for new math programming

Additional Information

PVAAS & Growth:

For district and school information, and scatterplots, along with general Q&As:

<https://pvaas.sas.com/welcome.html?as=c&aj=b>

For explanations (non-technical and technical) of methodologies used in PVAAS:

<https://drive.google.com/file/d/0B5FAJU-k0YoNZmRTQi1Mbmp1T0E/view>

SPP:

<http://www.paschoolperformance.org/>

PSSA & Keystone Data:

<http://www.education.pa.gov/Pages/PSSA-Information.aspx#tab-1>