PERFORMANCE REPORT 2018

Methacton School District

Presented January 2019

OVERVIEW

- Evolution of Testing & Reporting
- Pennsylvania System of School Assessment (PSSA) Results
- Keystone Exam Results
- Pennsylvania Value-Added Assessment System (PVAAS)
- Strengths & Needs
- Highlights
- Future Ready PA Index
- Looking Ahead

EVOLUTION OF TESTING & REPORTING: NCLB

- **2001: NCLB Legislation**
  - **Focus on all students reaching proficiency by 2014**
  - **Proficiency based on State Academic Standards**
  - **Safe Harbor, School Improvement, & Corrective Action designations**
  - **Adequate Yearly Progress (AYP) Reports**

- **2013: Implementation of School Performance Profile (Under NCLB)**
  - **Focus expands to growth measure, rigorous courses & Closing Achievement Gap**
  - **Schools given six years to Close Achievement Gap**
  - **There was a move to PA-Core Standards**
  - **Coincided with implementation of end-of-course Keystone Exams**
  - **Substantial change to PSSA two years later**

EVOLUTION OF TESTING & REPORTING: ESSA

2015: ESSA Legislation

- Focus on access & equity, college & career readiness
- Development of Future Ready PA Index
- Schools given until 2030 years to meet targets in each of three areas:
    - Achievement & Growth
    - On-track Measures
    - College & Career Readiness
- Designations:
    - Comprehensive Support & Improvement
    - Targeted Support & Improvement
- PSSA testing change: Fewer days for ELA and math necessitated changes to formatting and grading of tests

CURRENT STATE OF REPORTING

- PDE has provided the Future Ready PA Index as its public facing "report card" to track progress for each school

- "School scores" are relevant for Educator Effectiveness (teacher evaluations)

- Participation in state tests has increased in its potential impact to proficiency and school scores, as any percentage below 95% will negatively affect some of our reported information, including teachers' evaluations

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
- **Future Ready PA Index**- a collection of school progress measures related to school and student success, which includes a range of assessment, on-track, and readiness indicators, to more accurately report student learning, growth, and success in the classroom and beyond

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2018 PSSA RESULTS: PERCENT PROFICIENT & ADVANCED

	ELA				Math				Science			
	MSD	County	Rank	PA	MSD	County	Rank	PA	MSD	County	Rank	PA
3	85.6%	76.3%	2	63.5%	76.6%	68.7%	5	54.1%	*	*	*	*
4	75.8%	74.2%	10	59.8%	63.5%	59.6%	8	43.5%	90.1%	88.2%	6	75.5%
5	75.1%	80.0%	10	59.4%	54.5%	63.6%	15	45.2%	*	*	*	*
6	80.3%	75.1%	10	62.5%	60.1%	57.3%	9	39.6%	*	*	*	*
7	78.7%	72.3%	7	61.9%	57.3%	53.6%	10	38.9%	*	*	*	*
8	80.4%	71.6%	7	61.5%	48.0%	44.3%	10	31.1%	76.6%	70.7%	3	53.9%

*Assessment not administered at this grade level
Percentages presented are based on state calculations released in October 2018
Rank reflects standing from among 21 Montgomery County districts

PSSA MSD RESULTS: 2015-2018

	ELA				Math				Science			
	2015	2016	2017	2018	2015	2016	2017	2018	2015	2016	2017	2018
3	86.1%	79.6%	81.1%	85.6%	68.9%	73.8	71.2	76.6				
4	80.3%	78.7%	78.4%	75.8%	69.1%	75.0	63.2	63.5	92.0	94.1	89.0	90.1
5	82.4%	84.0%	80.5%	75.1%	67.1%	75.0	63.2	54.5				
6	81.1%	79.6%	81.1%	80.3%	58.3%	60.7	63.9	60.1				
7	83.1%	84.7%	78.4%	78.7%	54.5%	64.1	62.2	57.3				
8	80.4%	79.5%	81.4%	80.4%	42.4%	48.0	49.8	48.0	76.9	78.3	74.1	78.4

The following changes, make it difficult to suggest a straight comparison of scores from year to year.

PDE
2015: Test content change due to PA-Core; cut score change
2018: Schedule & format changes; scoring changes

MSD
2016: 1st year of new math resources, 5-6
2017: 1st year of new math resources, K-4, 7-8
2018: 1st year of new ELA resource, K-5; redistricting

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2018 KEYSTONE RESULTS
PERCENT PROFICIENT & ADVANCED

Exam	MHS	County	Rank	State
Algebra I	84.7%	74.1%	5	65.2%
Biology	83.0%	73.7%	10	64.4%
Literature	86.5%	80.5%	12	72.7%

MHS & County percentages presented are based on state calculations per PDE's 2018 Keystone Exam School Level Data spreadsheets, and reflect scores of current 12th grade students.

Rank reflects standing from among 21 Montgomery County districts

Arcola proficient/advanced scores on Algebra I= 94.2%

MSD KEYSTONE RESULTS: 2015-2018

	Algebra I				Literature				Biology			
	2015	2016	2017	2018	2015	2016	2017	2018	2015	2016	2017	2018
MHS	86.2%	85.8%	79.8%	84.7%	92.9%	90.4%	84.4%	86.5%	83.2%	88.4%	78.4%	83.0%
Gr. 8*	78.4%	83.8%	95.2%	94.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Scores of students who take the Keystone in grade 8 have their scores "banked" until grade 11.

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' progress 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

2018 MSD PVAAS RESULTS

Our three year average indicates we have met the growth standard overall in the following grades and subjects:

- **Algebra 1 Keystone (11th)**
- **Math PSSA (4th, 6th, & 7th)**
- **ELA PSSA (5th & 7th)**
- **Biology Keystone (11th)**
- **Science PSSA (4th & 8th)**

PSSA & KEYSTONE STRENGTHS & NEEDS ELA/LITERATURE

Strengths

- Vocabulary Acquisition and Use (3rd-8th)

- Reading for Meaning (11th)

Needs

- Craft and Structure as related to analysis and author's purpose (3rd-4th; 6th-8th)

- Key Ideas and Details (Grades 5th & 7th)

PSSA & KEYSTONE STRENGTHS & NEEDS MATH/ALGEBRA I

Strengths

- Represent and Solve problems using multiplication and division (3rd)

- Use place value understanding and properties of operations to perform multi-digit arithmetic (4th)

- Analyze patterns and relationships (5th)

- Solve problems involving fractions (6th)

- Statistics and Probability (7th)

Needs

- Numbers & Operations Involving Fractions (3rd-5th)

- Ratio & Proportion (6th)

- Geometric Figures & their Properties (7th)

- Geometric Transformations (8th)

- Functions (11th)

- Real Numbers and Expressions (11th)

PSSA & KEYSTONE STRENGTHS & NEEDS SCIENCE/BIOLOGY

Strengths

- Exceeded the PA growth standard for 2018 and 3 year average according to PVAAS
- Reasoning and Analysis (4th & 8th)
- Cell Growth and Reproduction (11th)

Needs

- Weather (Grades 4th & 8th)
- Chemical Basis for Life (11th)

ACTIONS TO ADDRESS NEEDS

- **Continue to develop our tools for analyzing local assessments**
- **Review curriculum to identify gaps to be addressed across all grade levels and subject areas**
- **Focus professional development more intensely on best practices around analysis, conversation, real world problem solving**
- **Review intervention and remediation practices**

NATIONAL ASSESSMENT RESULTS

2018 Methacton AP Scholars Results :

- 49 AP Scholars
- 37 AP Scholars with Honor
- 87 AP Scholars with Distinction
- 27 National AP Scholars

(Note: 363 students took 788 exams)

ACT Benchmark scores to indicate a 50% chance of obtaining a "B" or higher or 75% chance of obtaining a "C" or higher in credit-bearing college courses:

English Comp-18	College Algebra-22	Social Science-22	Biology-23
25.6	26.6	25.9	25.6

National Merit Scholars: 15 Commended and 15 Semi-finalists

NATIONAL ASSESSMENT RESULTS

2018 SAT Results (Average of 323 2018 graduates)
Of those who did not take the writing portion:
 Evidence-based Reading & Writing: 595
 Math: 609

Of those who took the writing portion:
 Evidence-based Reading & Writing: 620
 Math: 634

Collegeboard assesses the "College & Career Readiness" SAT scores as:
480 in ERW & 530 in Math

POST-SECONDARY SUCCESS

- From 2016-2018, our graduates received acceptances to 519 colleges. Of the colleges and universities that accepted our students, 233 were common to all three years. Seven Ivy League Schools accepted our students over the course of these three years. Of those, University of Pennsylvania accepted our students all three years.

- Based on 2016-2018, the schools our students most frequently attend are:
  - Montgomery County Community College
  - Penn State University
  - Temple University
  - University of Pittsburgh
  - Bloomsburg University
  - Drexel University

FUTURE READY PA INDEX OVERVIEW

- Addresses uneven weighting of content areas as presented in the School Performance Profile

- Incentivizes Career Awareness instruction, beginning at the elementary level

- Provides indicators of student success after graduation (beginning with 2019)

- Separated into three distinct categories: State Assessment Measures, On-Track Measures, & College & Career Measures

STATE ASSESSMENT MEASURES

- State 2030 Achievement Goal for all grade levels:
  - ELA/Literature: 81.1%
  - Math/Algebra I: 71.8%
  - Science/Biology: 83.0%

- Growth goal: 70.0% for all subjects (PVAAS)

- Advanced students counted within each subject area

SUMMARY OF GROWTH GOAL & ADVANCED STUDENTS

Growth Measure

	ELA/Lit	Math/Alg. I	Science/Bio
Arrowhead	58.0%	57.0%	100%
Eagleville	72.0%	85.0%	70.0%
Woodland	61.0%	86.0%	86.0%
Worcester	70.0%	76.0%	100%
Skyview	55.0%	52.0%	N/A
Arcola	62.0%	66.7%	100%
MHS	50.0%	65.0%	100%

2030 State Goal: 70.0%   70.0%   70.0%

Advanced Students

	ELA/Lit	Math/Alg. I	Science/Bio
Arrowhead	33.3%	36.9%	60.7%
Eagleville	25.1%	21.3%	36.3%
Woodland	26.2%	29.4%	45.4%
Worcester	49.7%	35.5%	67.0%
Skyview	30.0%	27.9%	N/A
Arcola	25.9%	20.7%	39.5%
MHS	15.8%	30.3%	49.2%

2018 Statewide Average: 18.3%   17.7%   27.3%

ON TRACK MEASURES

- **English Language Proficiency:**
    Percentage of ELs who met their interim growth toward or attainment level, of English language proficiency as measured by the ACCESS for ELs

- **Attendance:**
    Percentage of students enrolled in a school for 60 or more school days and present 90 percent or more of these school days.

- **Early Indicators of Success:**
    Percent Grade 3 Reading: Percentage of students who demonstrate on-track performance measured by a locally selected assessment or the state issued Grade 3 English Language Arts (ELA) PSSA test.

    Percent Grade 7 Mathematics: Percentage of students who demonstrate on-track performance measured by a locally selected assessment or the state issued Grade 7 Mathematics PSSA test.

SUMMARY OF ON-TRACK MEASURES

	ELP	2030 Goal	Regular Attendance	2030 Goal	Early Indicators of Success*
Arrowhead	IS	70.3%	98.2%	94.1%	85.6%
Eagleville	IS	70.3%	96.7%	94.1%	79.4%
Woodland	68.2%	70.3%	96.8%	94.1%	80.6%
Worcester	IS	70.3%	97.2%	94.1%	98.7%
Skyview	IS	70.3%	97.2%	94.1%	N/A
Arcola	IS	70.3%	95.7%	94.1%	57.6%
MHS	20.0%	70.3%	92.8%	94.1%	N/A

*Grade 3 Reading & Grade 7 Math Proficient/Advanced percentages.

COLLEGE & CAREER MEASURES

- **Career Standards Benchmark**

- **Graduation Rate**

- **Industry based learning**

- **Rigorous courses of study**

- **Post-secondary transition**

SUMMARY OF COLLEGE & CAREER MEASURES

	College & Career Standards	2030 Goal
Skyview	93.2%	98%
Arcola	91.3%	98%
MHS	79.4%	98%

	Graduation Rate	2030 Goal	Industry-Based Learning	State Avg.	Rigorous Courses of Study	State Avg.	Post-Secondary Transition	State Avg.
MHS	96.0% (4 yr.)	92.4%	50.1%	23.8%	58.7%	49.2%	90.8%	83.6%

FOCUS AREAS FROM FUTURE READY PA INDEX

- Analyze subgroup data trends and address accordingly

- Ensure data collection & reporting process is streamlined

- Review assessment options for Early Indicators of Success

- Develop & implement process for evidence collection for career readiness

MSD 2018 HIGHLIGHTS

- Eagleville Elementary recognized as a Distinguished Title I School, with High Progress designation
- PSSA & Keystone scores among the Top 10 in the county for each grade level and subject area, except in grade 5 Math and grade 11 Literature
- 11th grade Algebra I scores moved from #14 (2017) to #5 (2018) among other county high schools
- 25% increase in students' average level of performance in Data Analysis from Spring 2017-Spring 2018 on Algebra I Keystone
- Grade 3 ELA ranks 2nd in Montgomery County
- Grade 8 Science ranks 3rd in Montgomery County
- Growth for all students tested in science
- National assessments & post-secondary plans reflect success among MSD students