

Performance Report 2018-2019

METHACTON SCHOOL DISTRICT
PRESENTED JANUARY 2020

Testing & Reporting Changes under ESSA Legislation

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
 - Additional Targeted Support & Improvement

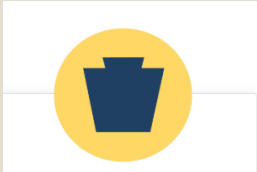
NEW 2019: Targeted Support & Improvement: intended as an FYI—“warning flag.” functions as an early warning system for at-risk student groups and as a signal to schools that may be at future risk for more intensive support and improvement strategies.

PSSA Testing Changes

- 2014-2015: Test content change due to PA-Core; cut score change
- 2018-2019: Schedule & format changes; scoring changes; percentage of participation below 95% negatively affects some reported information, including teachers' evaluations

Future Ready PA Index Overview

State Assessment Measures



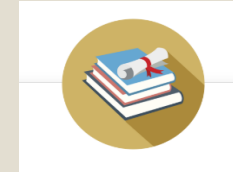
- 10 areas in top 10 county ranking
- All schools met or exceeded state average for advanced students in all subjects
- 5 schools exceeded 2030 state goal for growth in Math & all exceeded goal in Science
- All grade levels exceeded state average in all PSSAs & Keystones

On-Track Measures

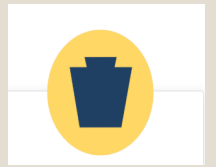


- All K-8 schools have met the 2030 goal for attendance
- All students exceeded performance standard in Grade 3 Reading
- All students exceeded performance standard in Grade 7 Math
- All subgroups met or exceeded performance standard in Grade 7 Math

College & Career Measures



- Increases in grades 5, 8, & 11 Career Benchmark indicator
- Graduation cohorts exceeded 2030 state goal
- Exceeded state average in Rigorous Courses indicator & Post-Secondary Transition
- National assessment results exceed state & national averages



State Assessment Measures

PSSA- based on achievement for a particular year at single point, with different groups of students each year (Grades 3-8)

Keystones- based on achievement; may be taken more than once (“End of course” exam for Algebra I, Biology & Literature)

- **State 2030 Achievement Goal for all grade levels:**

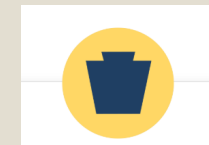
- **ELA/Literature:** 81.1%
- **Math/Algebra I:** 71.8%
- **Science/Biology:** 83.0%

- **Advanced students counted within each subject area**

PVAAS- measures students’ growth overtime as a cohort, based on achievement progression from one year to the next, comparing performance of a student group to their own prior performance

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

2019 PSSA Results: Percent Proficient & Advanced

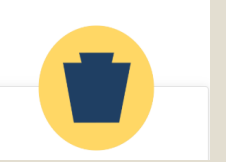


	ELA				Math				Science			
	MSD	County	Rank	PA	MSD	County	Rank	PA	MSD	County	Rank	PA
3	81.3%	72.8%	5	61.9%	75.3%	68.1%	9	56.0%	*	*	*	*
4	80.6%	77.0%	11	63.6%	71.1%	62.3%	5	46.2%	92.3%	88.4%	7	77.8%
5	69.5%	75.2%	14	58.5%	53.1%	60.1%	15	43.1%	*	*	*	*
6	74.2%	77.5%	15	63.0%	58.1%	56.0%	10	39.0%	*	*	*	*
7	74.5%	71.4%	10	60.4%	63.8%	53.6%	8	38.2%	*	*	*	*
8	73.0%	71.6%	9	57.9%	49.0%	52.5%	10	32.2%	80.3%	68.5%	5	58.2%

**Assessment not administered at this grade level*

Percentages presented are based on state calculations released in October 2019

Ranking is based on Montgomery County districts



PSSA MSD Results: 2017-2019

	ELA			Math			Science		
	2017	2018	2019	2017	2018	2019	2017	2018	2019
3	81.1%	85.6%	81.3%	71.2%	76.6%	75.3%			
4	78.4%	75.8%	80.6%	63.2%	63.5%	71.1%	89.0%	90.1%	92.3%
5	80.5%	75.1%	69.5%	63.2%	54.5%	53.1%			
6	81.1%	80.3%	74.2%	63.9%	60.1%	58.1%			
7	78.4%	78.7%	74.5%	62.2%	57.3%	63.8%			
8	81.4%	80.4%	73.0%	49.8%	48.0%	49.0%	74.1%	76.6%	80.3%

District changes make it difficult to suggest a straight comparison of scores from year to year.

2015-2016: 1st year of new math resources, 5-6

2016-2017: 1st year of new math resources, K-4, 7-8

2017-2018: 1st year of new ELA resource, K-5; redistricting

2018-2019: 1st year of new ELA resource, 6



2019 Keystone Results Percent Proficient & Advanced

Exam	MHS	County	Rank	State
Algebra I	84.4%	75.1%	6	63.3%
Biology	84.9%	76.6%	6	63.2%
Literature	85.9%	82.8%	10	71.5%

-MHS & County percentages presented are based on state calculations per PDE's 2019 Keystone Exam School Level Data spreadsheets, and reflect scores of current 12th grade students.

-Rank reflects standing from among Montgomery County districts

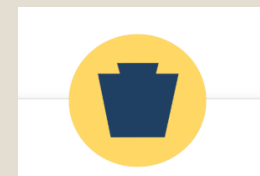
-Arcola proficient/advanced scores on Algebra I= 94.2%



MSD Keystone Results: 2017-2019

	Algebra I			Literature			Biology		
	2017	2018	2019	2017	2018	2019	2017	2018	2019
MHS	79.8%	84.7%	84.4%	84.4%	86.5%	85.9%	78.4%	83.0%	84.9%
Gr. 8*	95.2%	94.2%	94.1%	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.**



Advanced Students

	ELA/Lit	Math/Alg. I	Science/Bio
Arrowhead	43.5%	46.8%	58.0%
Eagleville	31.8%	36.2%	60.0%
Woodland	25.1%	29.9%	58.0%
Worcester	29.0%	37.3%	66.7%
Skyview	25.8%	25.8%	N/A
Arcola	23.2%	23.0%	40.3%
MHS	18.3%	38.6%	53.1%
2019 Statewide Average:	18.3%	17.7%	27.3%

Progress update from identified areas in ELA 2018



Improved areas:

Craft and Structure as related to analysis and author's purpose (Gr. 3-4 and 8)

Key Ideas and Details (Gr. 7)

Areas for continued work:

Craft and Structure as related to analysis and author's purpose (Gr. 6-7)

Key Ideas and Details (Gr. 5)

Progress update from identified areas in Math 2018



Improved areas:

Numbers & Operations Involving Fractions (Gr. 3-5)

Real Numbers & Expressions (Algebra I)

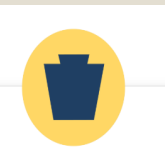
Areas for continued work:

Ration & Proportion (Gr. 6)

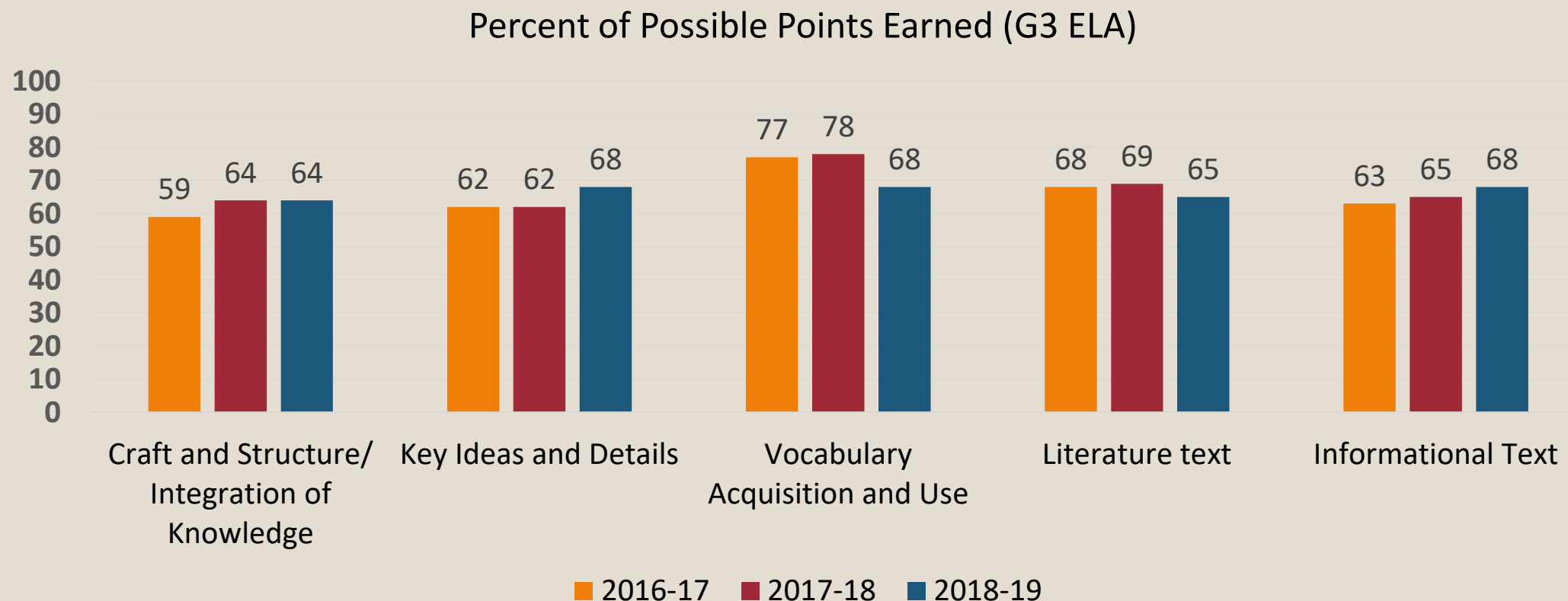
Geometric Figures & Their Properties (Gr. 7)

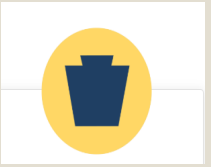
Geometric Transformation (Gr. 8)

Functions (Algebra I)

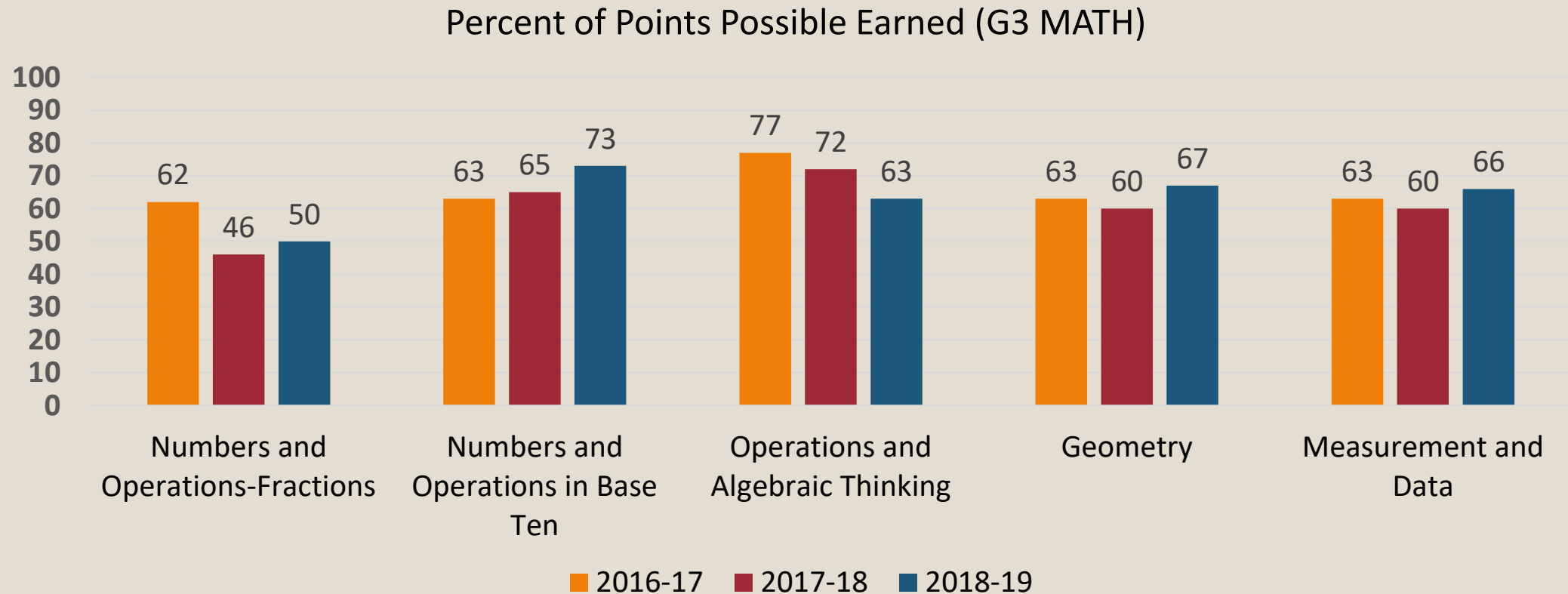


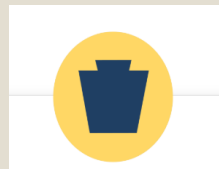
Grade 3 ELA Results by Anchor 3YR



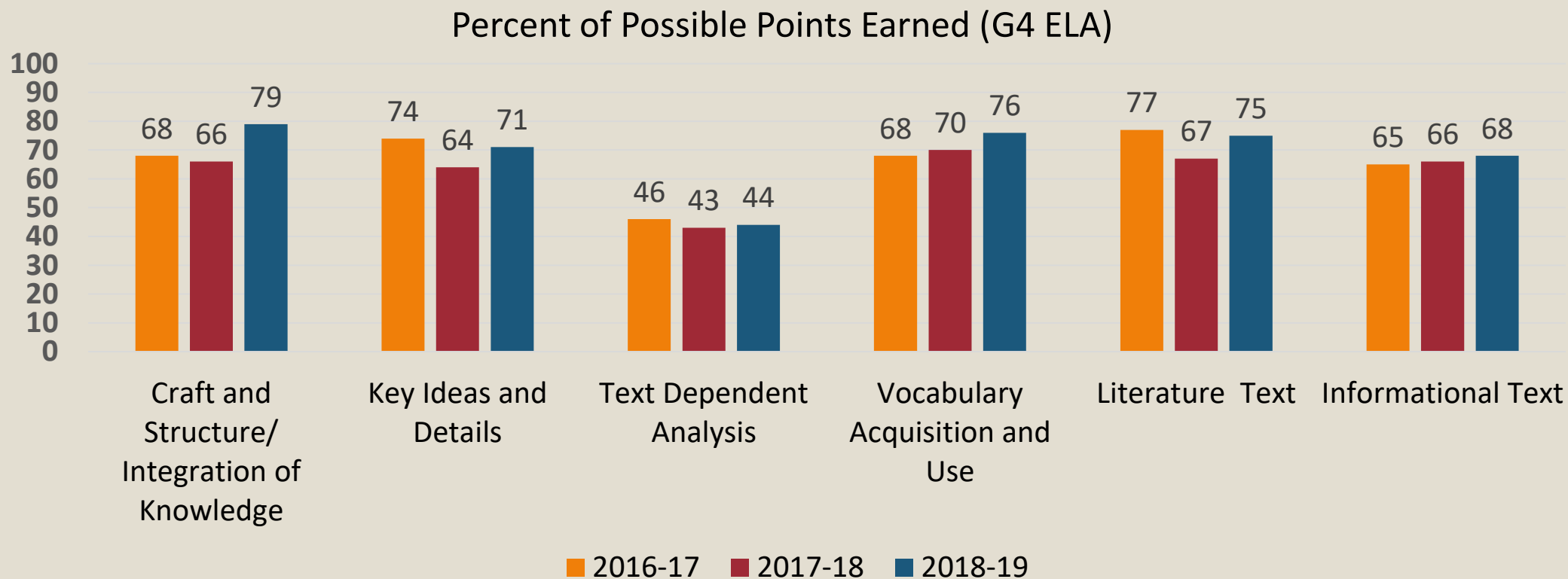


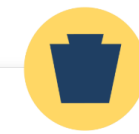
Grade 3 Math Results by Anchor 3YR





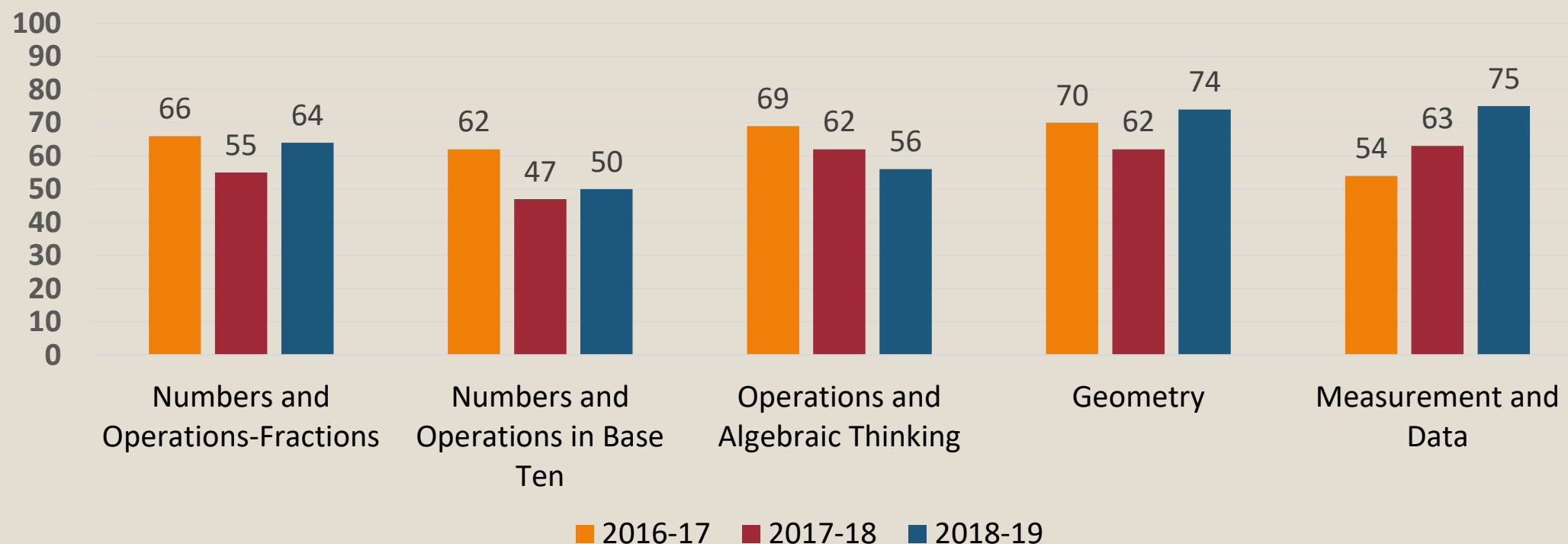
Grade 4 ELA Results by Anchor 3YR





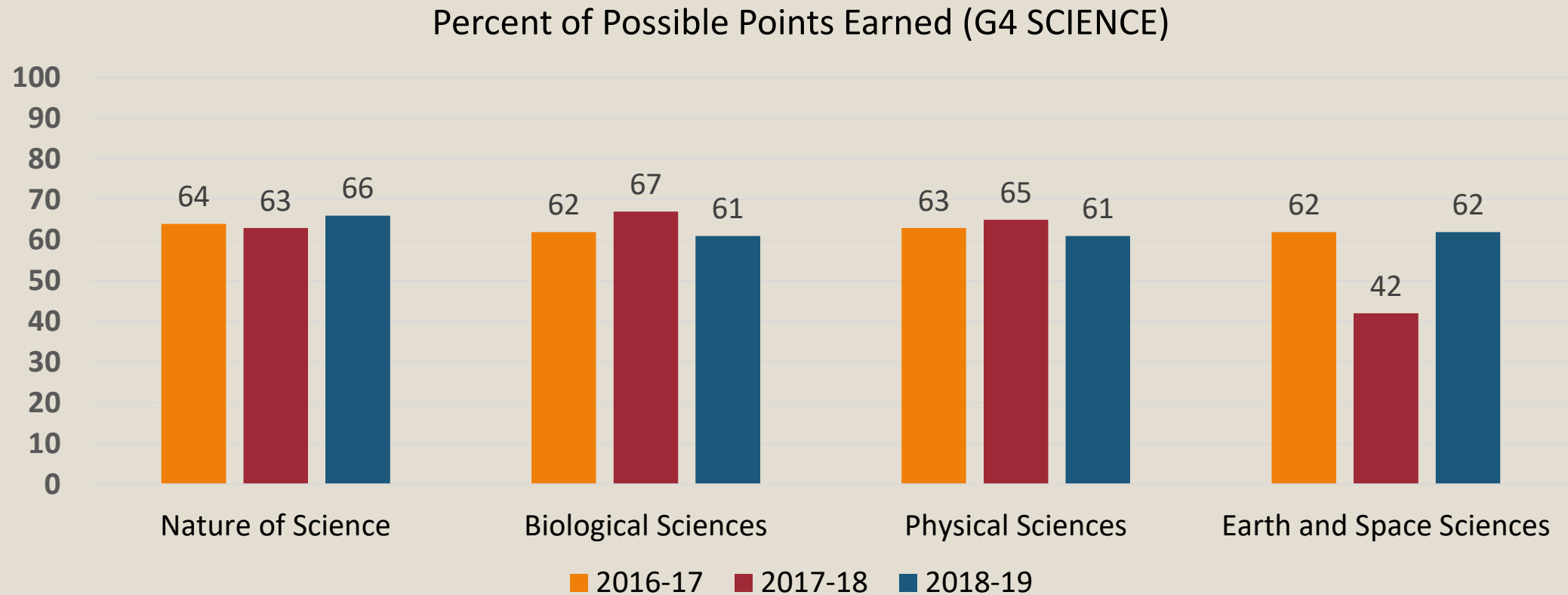
Grade 4 Math Results by Anchor 3YR

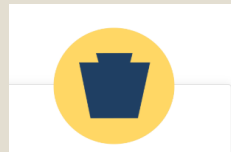
Percent of Possible Points Earned (G4 MATH)



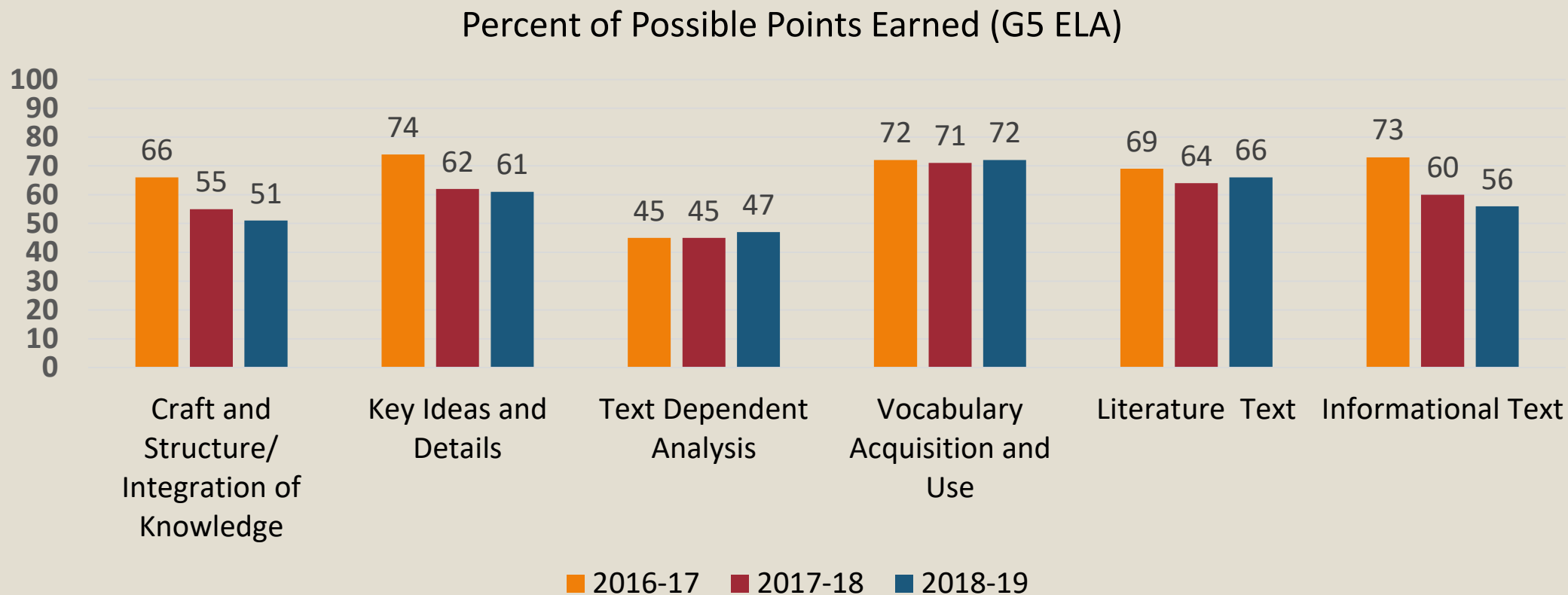


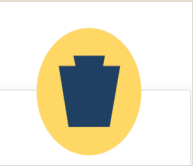
Grade 4 Science Results by Anchor 3YR



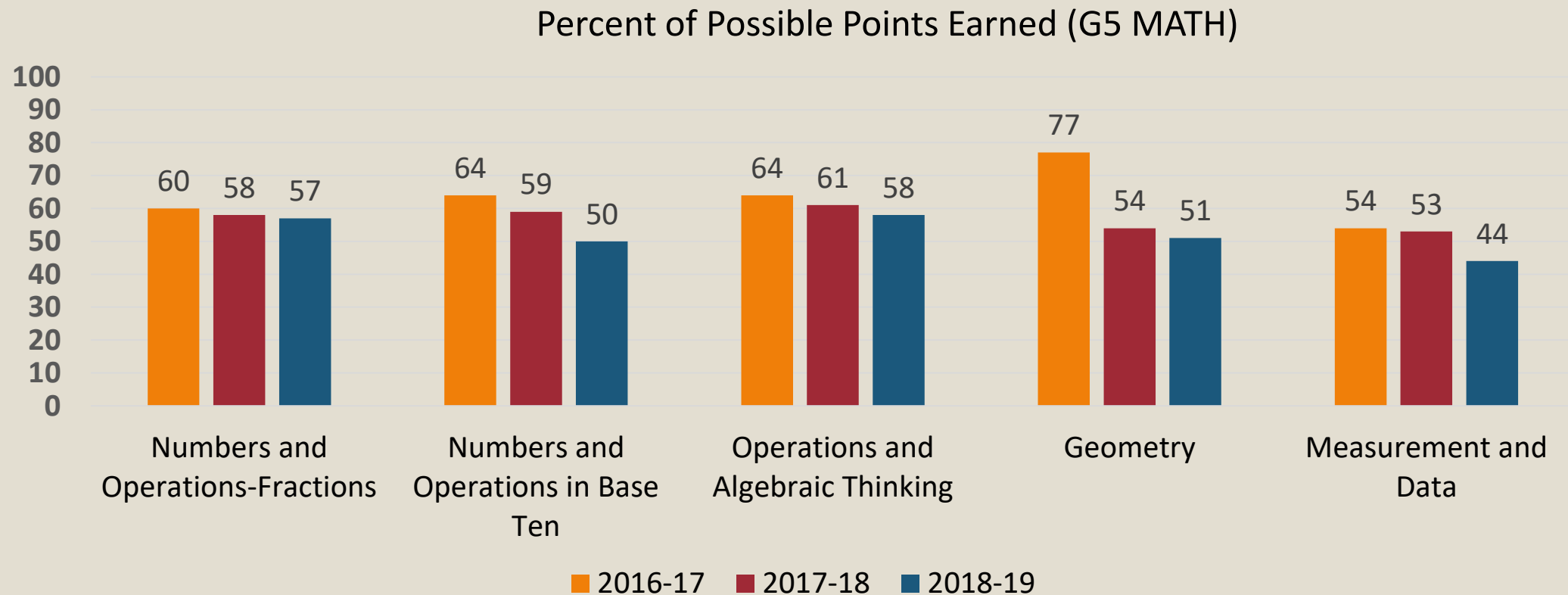


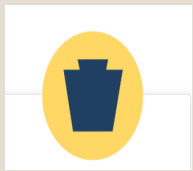
Grade 5 ELA Results by Anchor 3YR



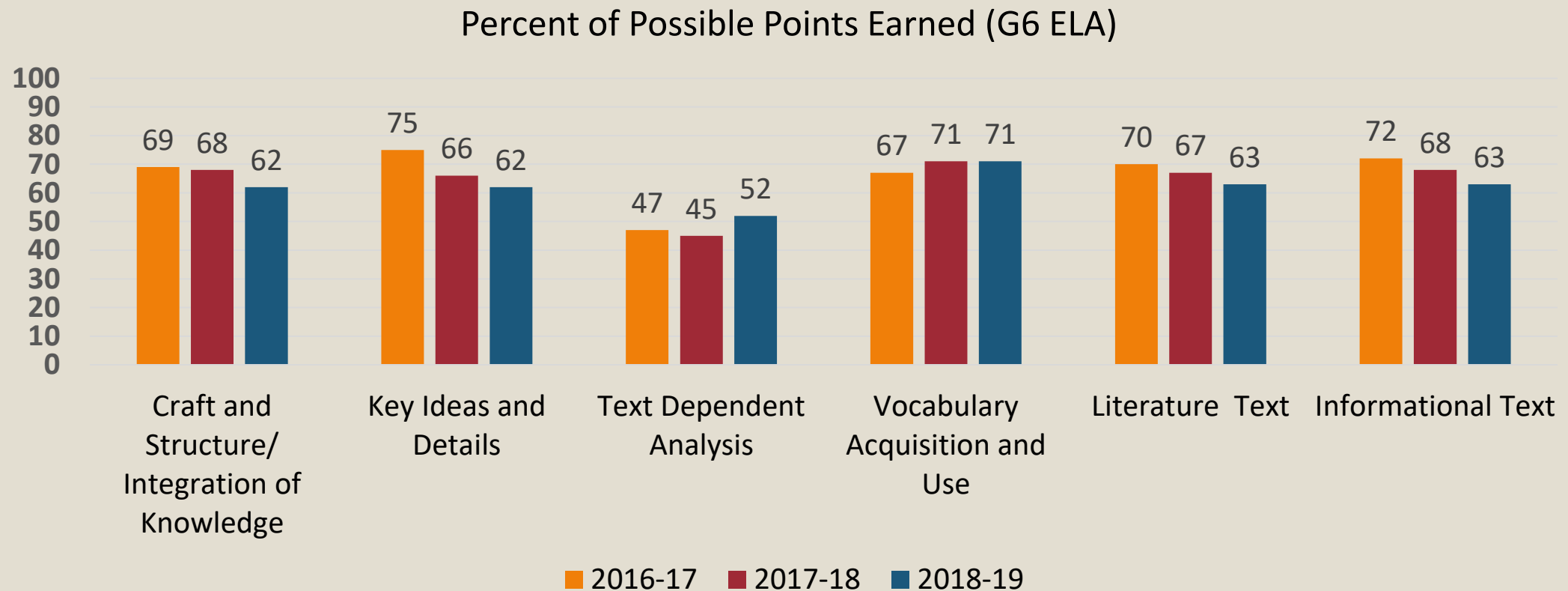


Grade 5 Math Results by Anchor 3YR





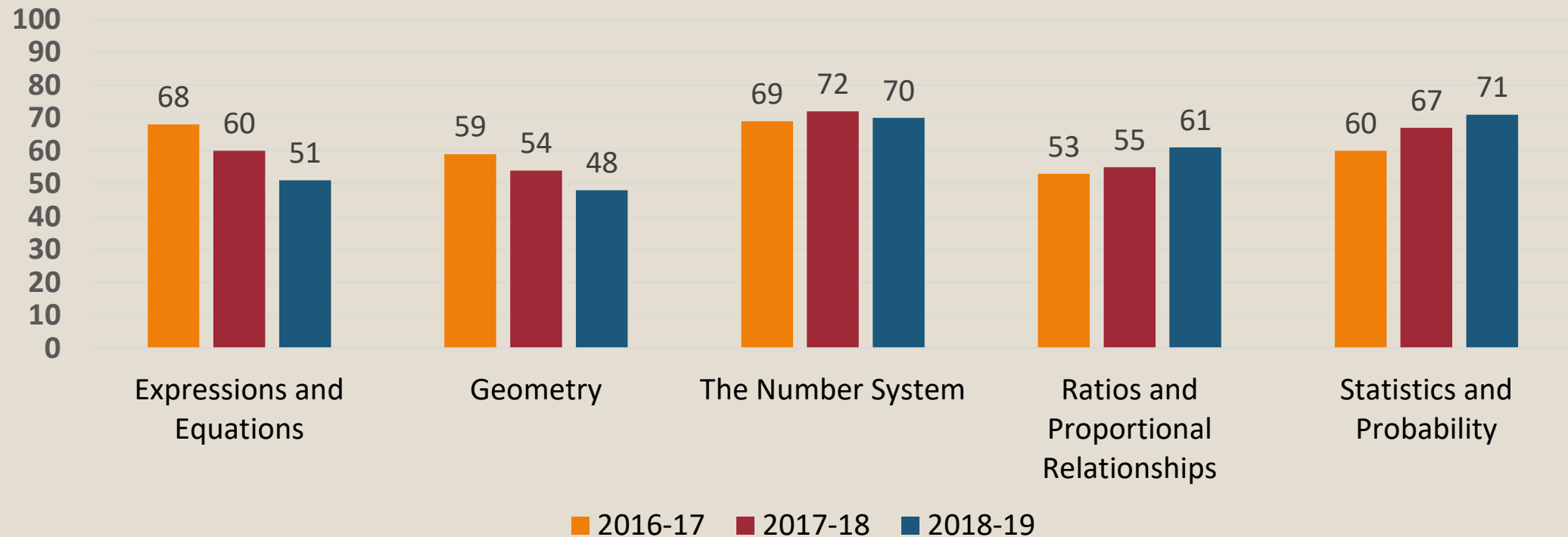
Grade 6 ELA Results by Anchor 3YR





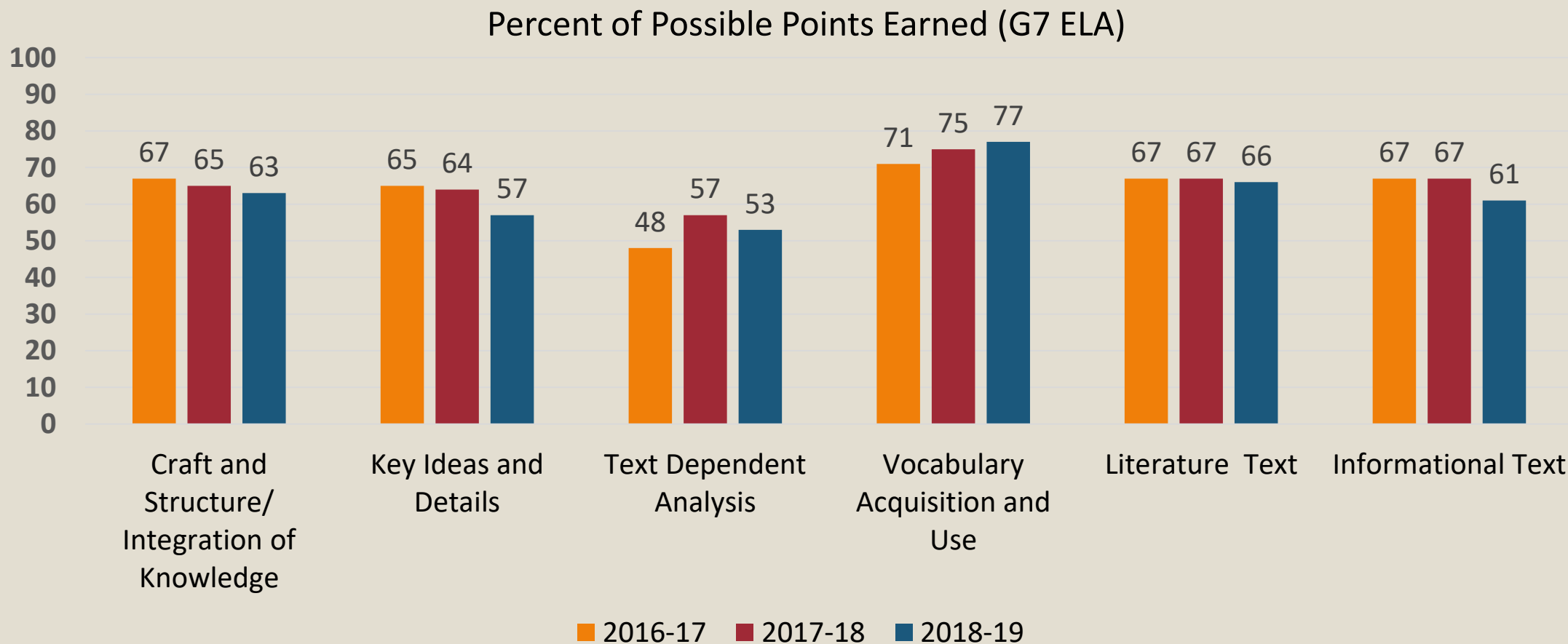
Grade 6 Math Results by Anchor 3YR

Percent of Possible Points Earned (G6 MATH)





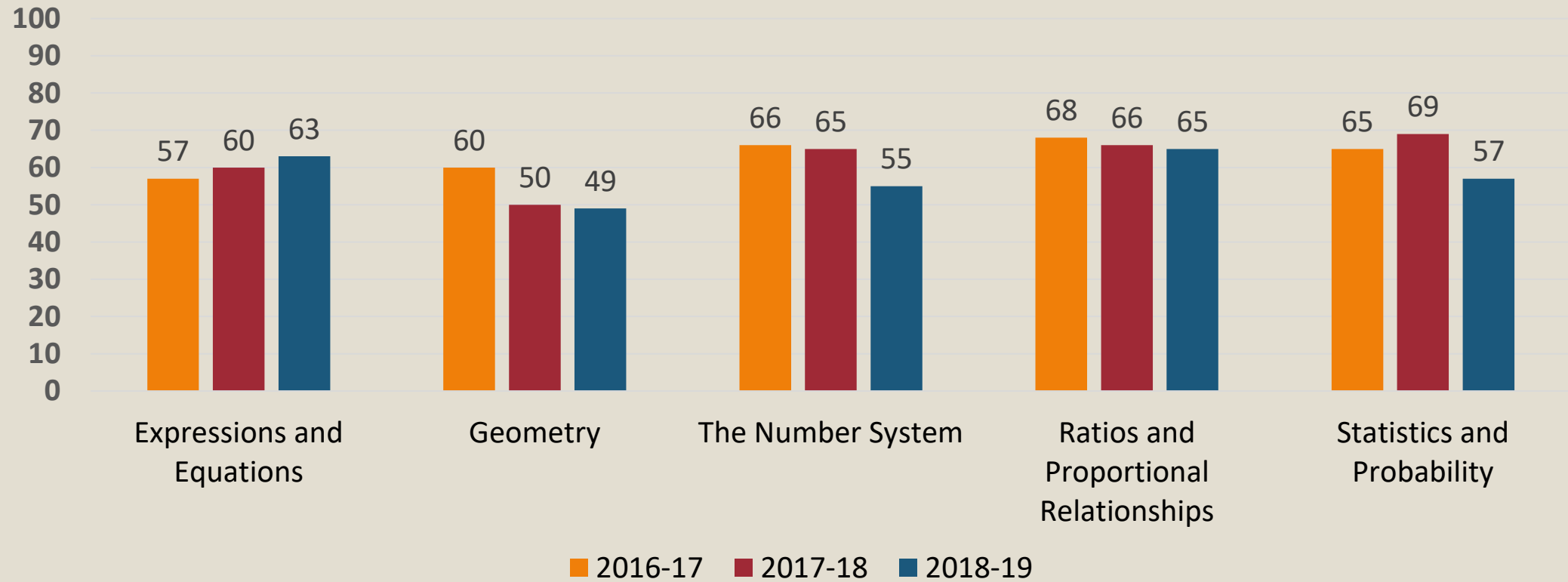
Grade 7 ELA Results by Anchor 3YR

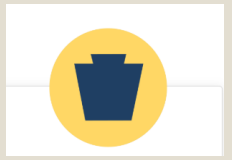




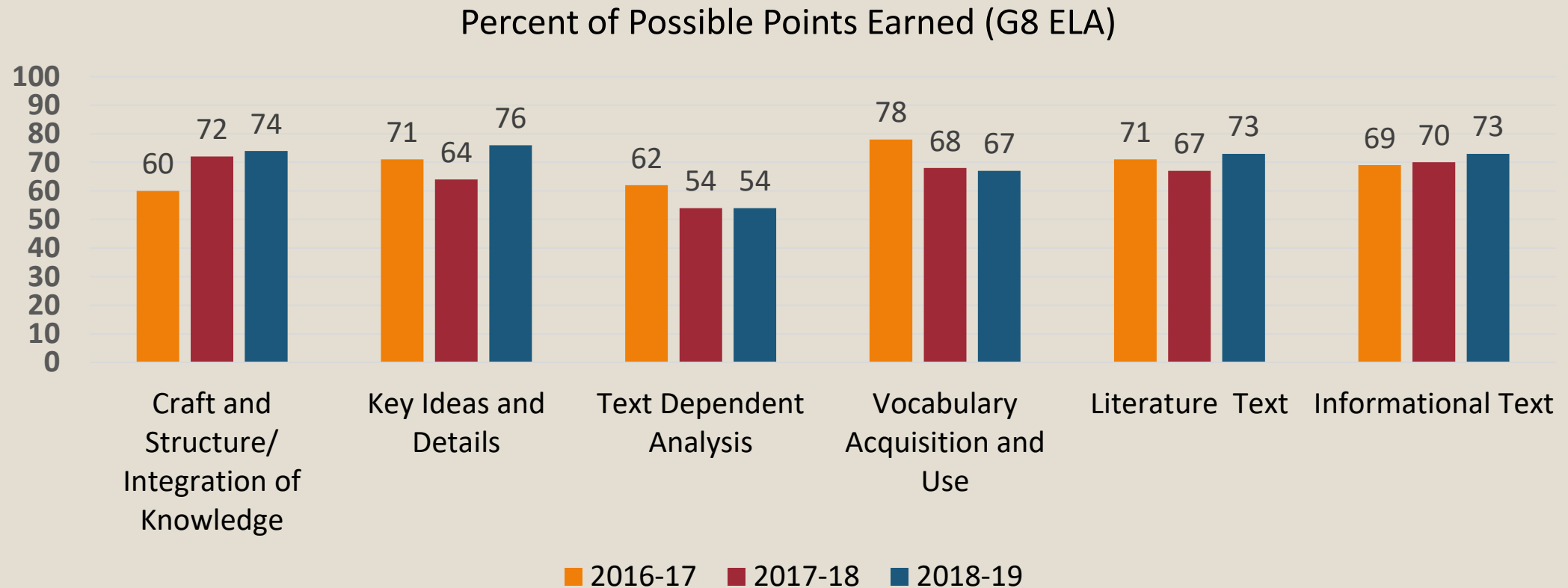
Grade 7 Math Results by Anchor 3YR

Percent of Possible Points Earned (G7 MATH)





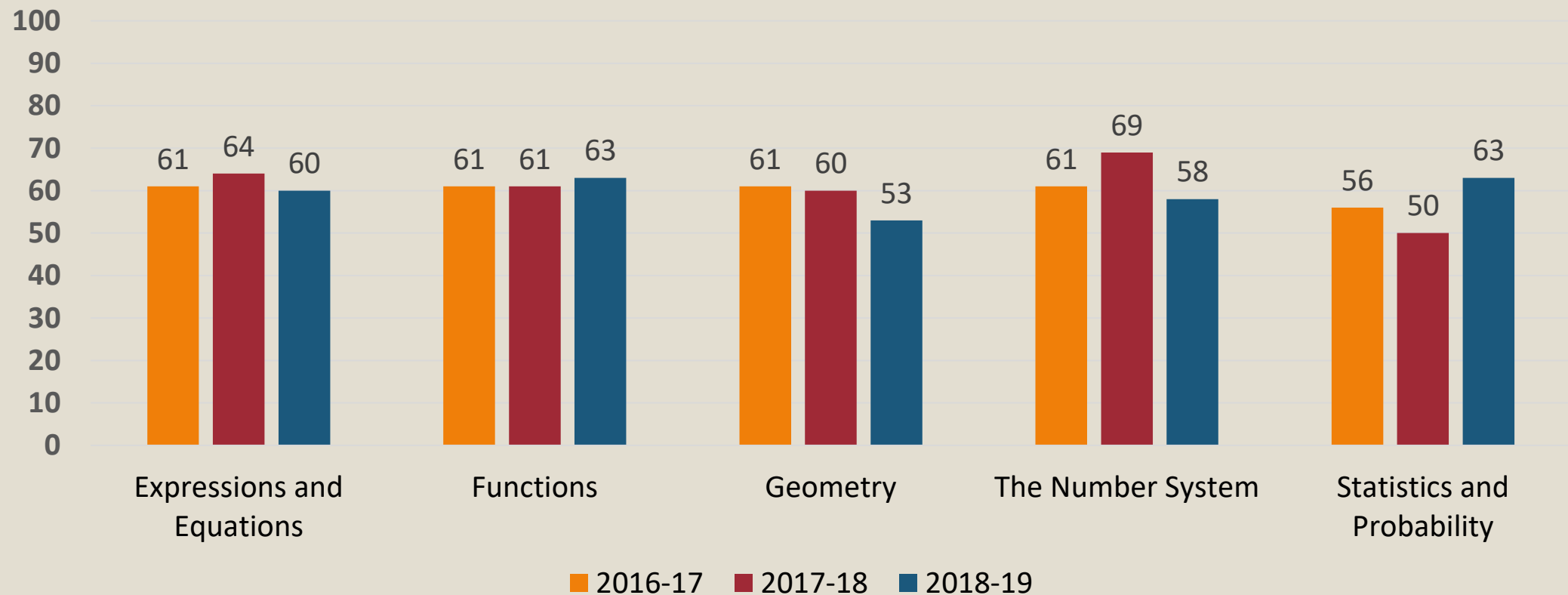
Grade 8 ELA Results by Anchor 3YR





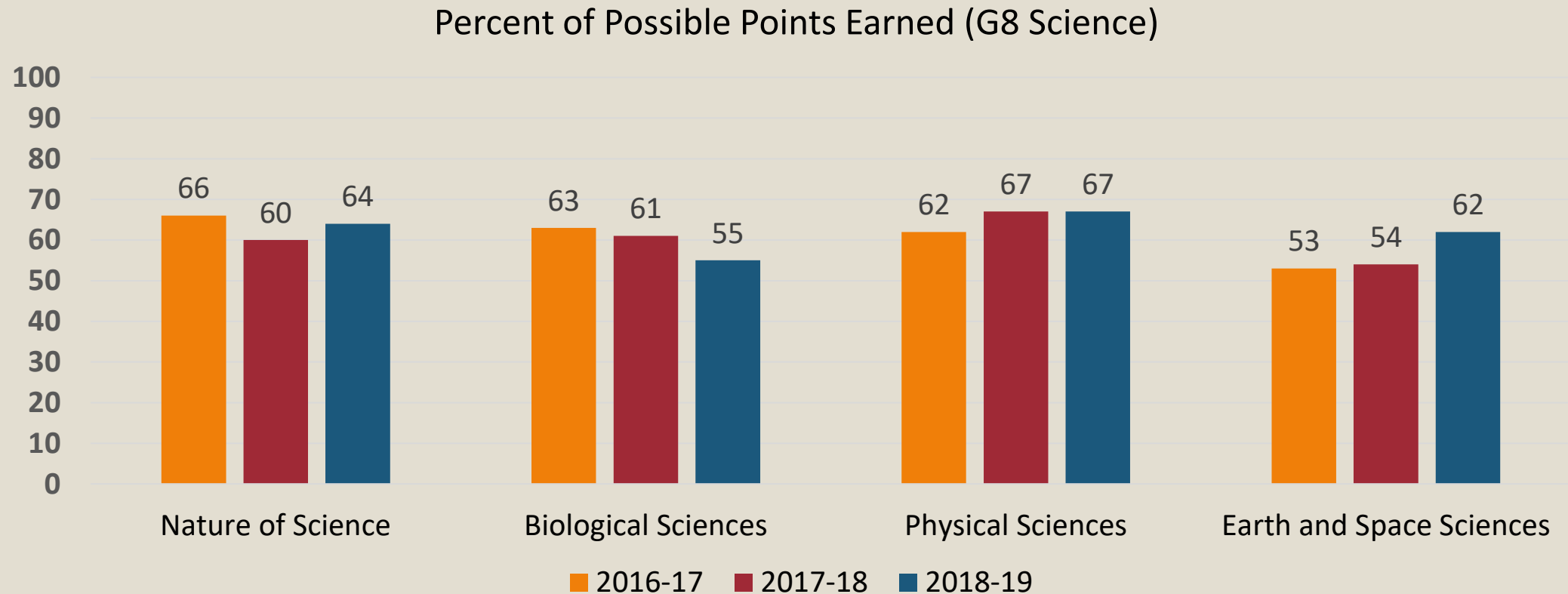
Grade 8 Math Results by Anchor 3YR

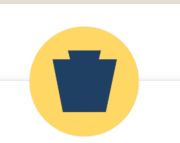
Percent of Possible Points Earned (G8 MATH)



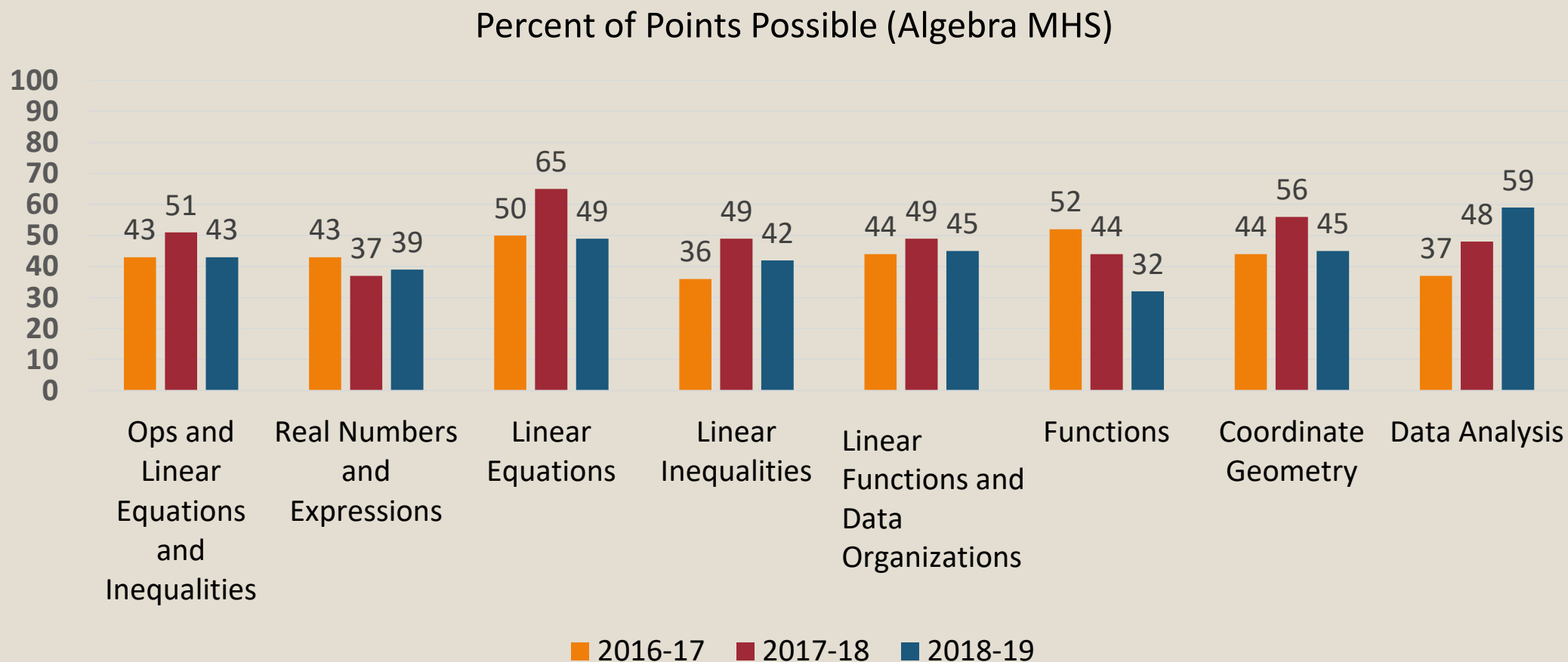


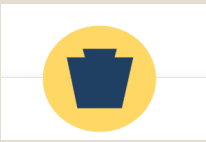
Grade 8 Science Results by Anchor 3 YR



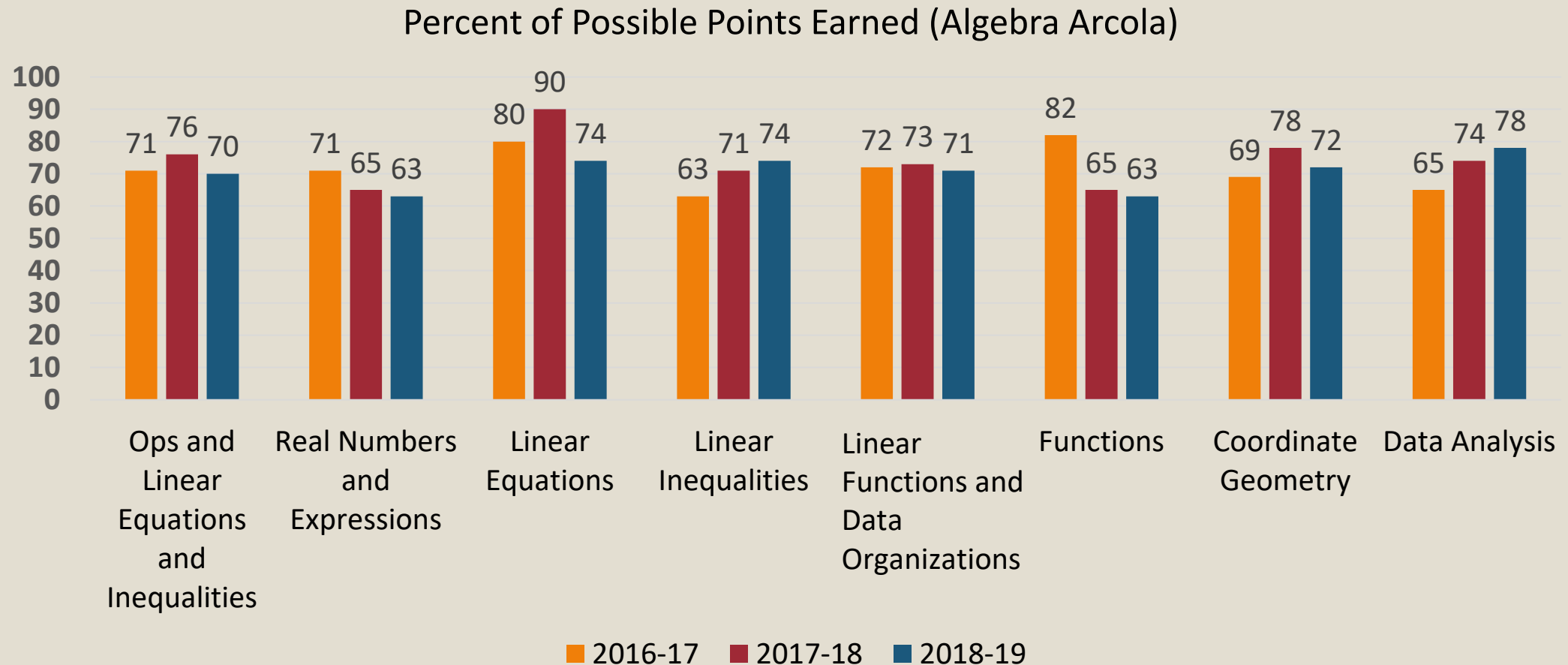


MHS- Algebra I Results by Anchor 3 YR



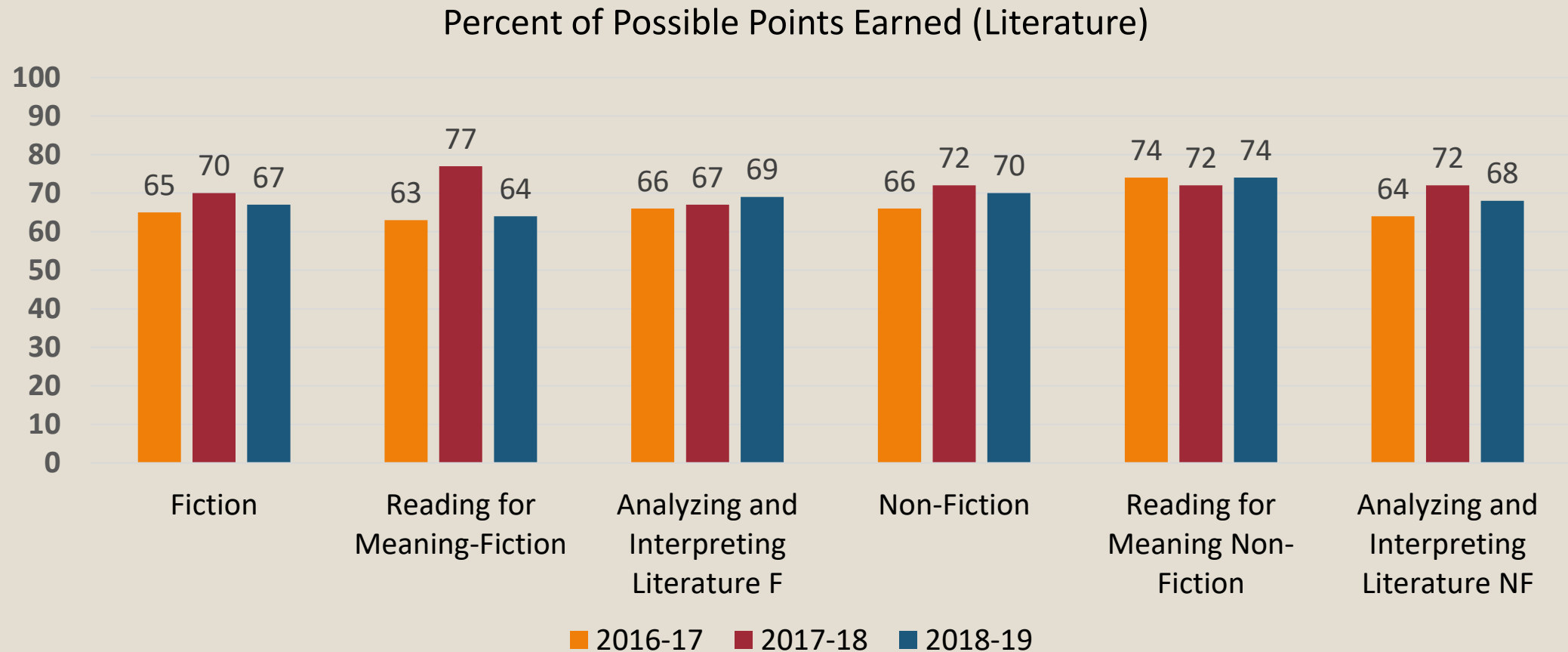


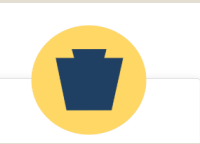
Arcola Algebra I Results by Anchor 3 YR



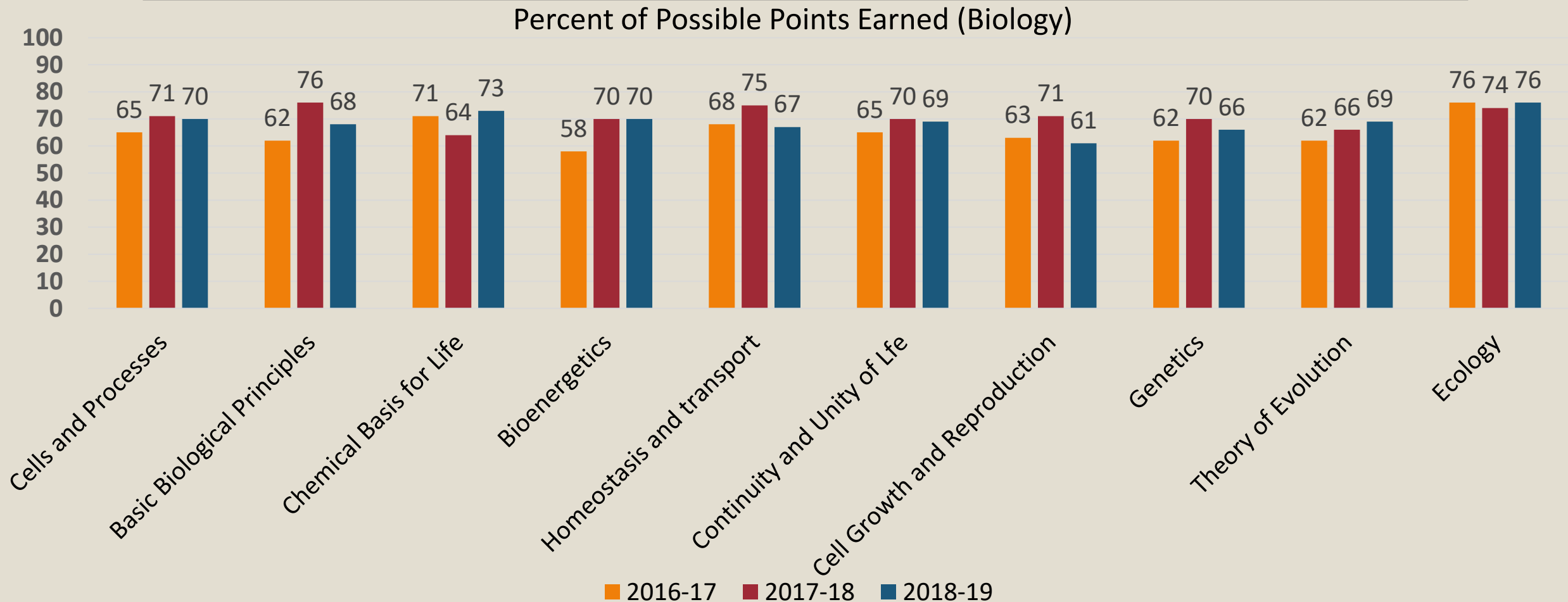


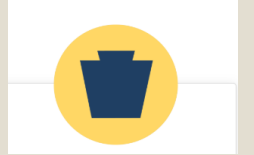
MHS- Literature Results by Anchor 3YR





MHS- Biology by Anchor 3 YR

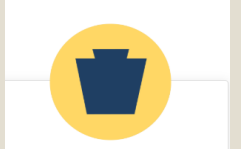




2019 MSD PVAAS Results

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 (7th)**
- **Biology Keystone (11th)**
- **Science PSSA (4th & 8th)**



Summary of Growth Goal

	ELA/Lit	Math/Alg. I	Science/Bio
Arrowhead	50.0%	63.0%	73.0%
Eagleville	69.0%	100.0%	100.0%
Woodland	50.0%	85.0%	96.0%
Worcester	50.0%	54.0%	74.0%
Skyview	69.0%	83.0%	N/A
Arcola	50.0%	83.3%	91.0%
MHS	50.0%	100.0%	100%

2030 Growth Goal for all subjects: 70%

Elementary

	Highlights	Focus Areas and Strategies
Grade 3	<ul style="list-style-type: none"> • Performance in almost all Math Anchors increased over 17-18 • Numbers in Base 10 • Informational Text • Key Ideas and Details 	<p>FA1-Vocabulary Acquisition and Literature S1-Winter work with MCIU experts regarding word recognition skill development and targeted comprehension skill work</p> <p>FA2-Numbers and Operations-Fractions S2-Continue to develop teachers use of Concrete, Abstract, Pictorial Strategies (Hosted Math In Focus Model Lessons in October, Math Support Specialists continue to support)</p>
Grade 4	<ul style="list-style-type: none"> •Increase in every Math and ELA Anchor over 17-18 •Craft and Structure •Measurement and Data •Geometry •Large increase in Earth and Space Sciences Anchor 	<p>FA1-Continue Work on TDA S1-Winter work with MCIU experts regarding targeted comprehension skill work including building background and Inquiry</p> <p>FA2-Numbers in Base 10 and Algebraic Thinking S2-Numbers in Base 10 and Algebraic Thinking Continue to develop teachers use of Concrete, Abstract, Pictorial Strategies (Hosted Math In Focus Model Lessons in October, Math Support Specialists continue to support)</p>

	Highlights	Focus Areas and Strategies
Grade 5	<ul style="list-style-type: none"> Improvement in TDA anchor achievement 	<p>FA1-TDA- Continue work in analysis S1- Teachers gave TDA prompt versus traditional writing prompt and scored collaboratively; will work to analyze data in winter data meetings</p> <p>FA2- Craft and Structure S2-Elementary Curriculum Supervisor will be providing PD</p> <p>FA3-Numbers and Operations, Geometry, Measurement and Data S3-Principal is working with staff on use of instructional time, promoting more independent practice and pacing; Math Chair providing PD around number talks</p>
Grade 6	<ul style="list-style-type: none"> Improvement in Statistics and Probability as well as Ratios anchors over 17-18 Improvement in TDA over 17-18 PVAAS shows significant growth for Math and ELA in 2018-19 	<p>FA1-TDA- Continue work in analysis S1- Teachers gave TDA prompt versus traditional writing prompt and scored collaboratively; will work to analyze data in winter data meetings</p> <p>FA2- Craft and Structure, Key Ideas and Details S2-PD provided on new resource PD and use of Exact Path for all students</p> <p>FA3-Geometry, Expressions and Equations S3-Principal is working with staff on use of instructional time, promoting more independent practice and pacing; Math Chair providing PD around number talks</p>

Arcola

	Highlights	Focus Areas and Strategies
Grade 7	<ul style="list-style-type: none"> PVAAS shows at least a years growth overall for ELA and Math in 2019 Expressions and Equations anchor scores continue to improve 	<p>FA1- Key Ideas and Details (7), TDA S1- Programming restructures to allow all students to participate in World Language; More teacher support provided to students in their Reading classes; targeted PD provided in the fall; curriculum writing ongoing</p> <p>FA2-Geometry and Number Systems S2-PD provided and ongoing related to rigor in the classroom; intervention period (Warrior Block) restructured; Math specialist and TOA providing support</p>
Grade 8	<ul style="list-style-type: none"> Performance in all ELA anchors improved or maintained over 17-18 Significant improvement in Statistics and Probability anchor over 17-18 PVAAS shows significant growth in Science in 2019 	

Methacton High School

	Highlights	Focus Areas and Strategies
Algebra 1	<ul style="list-style-type: none"> PVAAS shows significant growth over 17-18 at both HS and MS levels Data Analysis anchor performance improved over 17-18 	FA1-Linear Equations SA1-Working with TOA to analyze data from across the state to identify reasons for drop at both MS and HS levels; TOA classroom support
Literature	<ul style="list-style-type: none"> Reading for Meaning (NF) Analyzing and Interpreting Literature (F) 	FA1-Overall student growth and achievement SA1- PD provided for ELA department regarding standards and assessment; curriculum rewrite scheduled for winter through summer; building system for analyzing common assessment data
Biology	<ul style="list-style-type: none"> PVAAS shows continued significant growth for past several years 	FA1- Cell Growth and Reproduction SA1-Department Chair reviews standards with staff to ensure all components are taught



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

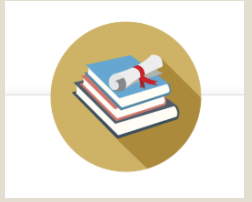
	ELP Interim Growth (2030 Goal=70.3%)	Regular Attendance All students (2030 Goal= 94.1%)	Early Indicators of Success (Gr. 3 Reading & Gr. 7 Math Proficient/Advanced Percentages)
Arrowhead	IS	97.3%	90.2%
Eagleville	IS	95.8%	75.9%
Woodland	53.6%	94.6%	75.9%
Worcester	IS	97.6%	80.6%
Skyview	IS	96.8%	N/A
Arcola	IS	94.8%	63.4%
MHS	IS	92.9%	N/A



College & Career Measures

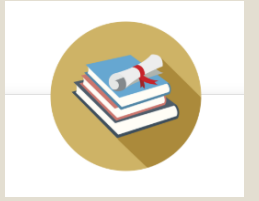
- **Career Standards Benchmark:** identifies the percentage of students demonstrating meaningful engagement in career exploration and preparation aligned to the Career Education and Work (CEW) standards.
- **Graduation Rate:** the percentage of students who graduate with a high school diploma in a four-year cohort group and in a five-year cohort group.
- **Industry-based Learning:** the percentage of 12th graders that scored competent or advanced on Industry Standards-Based Competency Assessment; earned at least one industry-recognized credential; or completed a work-based learning experience.
- **Rigorous Courses of Study:** the percentage of 12th graders who participated in at least one Rigorous Course of Study, defined as Advanced Placement (AP), International Baccalaureate (IB), or dual credit courses during grades 7-12, or in a concentrated CTE program of study.
- **Post-secondary Transition:** the percentage of high school graduates who have enrolled in an institution of higher education, enlisted in the military, or entered the workforce within sixteen (16) months after their graduation date.

Summary of College & Career Measures



	College & Career Standards	2030 Goal
Skyview	97.7%	98%
Arcola	98.7%	98%
MHS	97.2%	98%

	Graduation Rate	2030 Goal	Industry-Based Learning	State Avg.	Rigorous Courses of Study	State Avg.	Post-Secondary Transition	State Avg.
MHS	93.7% (4 yr.)	92.4%	20.7%	29.1%	64.7%	57.5%	93.2%	82.8%



National Assessment Results

2019 Methacton AP Scholars Results :

- 51 AP Scholars
- 35 AP Scholars with Honor
- 80 AP Scholars with Distinction
- 31 National AP Scholars

(Note: 350 students took 706 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

25.6

College Algebra-22

27.0

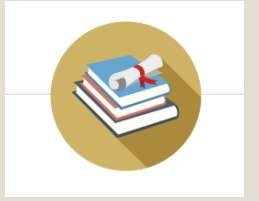
Social Science (Reading)-22

26.0

Biology-23

26.1

National Merit Scholars: 10 Commended and 12 Semi-finalists



National Assessment Results

2019 SAT Results (Average of 307 2019 graduates)

Of those who did not take the writing portion:

Evidence-based Reading & Writing: 604

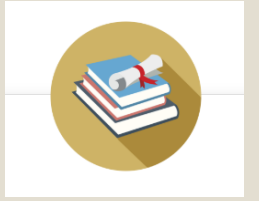
Math: 622

Of those who took the writing portion:

Evidence-based Reading & Writing: 632

Math: 654

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



Post-Secondary Success

From 2017-2019, our graduates received acceptances to 480 colleges. Of the colleges and universities that accepted our students, 110 were common to all three years. Eight Ivy League Schools accepted our students over the course of these three years. Of those, University of Pennsylvania accepted our students all three years.

From the 239 colleges accepting our 2019 MHS graduates, the most acceptances came from:

- Pennsylvania State University
- University of Pittsburgh
- Temple University
- West Chester University of Pennsylvania
- Montgomery County Community College
- Drexel University
- University of Delaware
- Bloomsburg University of Pennsylvania
- University of Maryland, Baltimore County
- Kutztown University of Pennsylvania
- Ursinus College

Targeted & Support Improvement

Federal law mandates that states incorporate a Targeted & Support Improvement designation for schools in which a group of 20 or more students:

- 1.) **Exhibits achievement at or below the statewide average achievement rate of 48.4%***; and
- 2.) **Falls within a specific achievement-academic growth profile**

One district school, Methacton High School, received a TSI designation based on results from the Students with IEPs subgroup in the following areas:

- Graduation Rate: 77.31% (Goal: 80.8%)
- Achievement, Math & ELA Combined: 43.08%
- Growth, Math & ELA Combined: -3.03%

*Results are generated from the percentage of students within a student group scoring Proficient or Advanced on the PSSA, Keystone Exams, and/or PASA.

Next Steps to Address TSI Designation

Must have a school improvement plan Board approved by June 30, 2020.

- We monitor the plan. No state support.
- Even though a one-year designation, plan should carry over multiple years.

Review Math & ELA achievement scores—look at separate math and ELA numbers to determine what put us in the category.

- Root cause analysis: Possible need to focus on one subject more than the other

MCIU will hold meetings to provide guidance in the process

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>

PSSA & Keystone Data:

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

PA Future Ready Index:

<http://www.education.pa.gov/Pages/Future-Ready-PA.aspx#tab-1>

Targeted School Improvement:

<https://www.education.pa.gov/K-12/ESSA/FutureReady/Pages/DesigSchoolsTSI.aspx>