STUDENT ACHIEVEMENT & COLLEGE ADMISSIONS REVIEW

PRESENTED BY:

Corie Gaylord

Director of Student Academic & Counseling Services

Damian Pappa

Director of Data, Assessment & Accountability

Montgomery
Township
School District

October 17, 2017



Portrait of a Graduate

College and Career Ready Scholar Socially and Emotionally Aware Individual Ethical and Responsible Citizen

College and Career Ready Scholar

- Academically Strong
- Effective Communicator
- Innovative and Creative
- Adaptable

- Problem-Solver
- Collaborative



Socially and Emotionally Aware Individual

- Self-Aware
- Confident
- Empathetic

- Resilient
- Respectful



Ethical and Responsible Citizen

- Demonstrate Integrity
- Community Service
- Civic Engagement
- Respect for Different
 Viewpoints
- Coordination with Others



PORTRAIT OF A GRADUATE

Goal 1

Student Success:

Maximize the socialemotional and academic growth of every student

Goal 2

School and Work Environment:

Ensure a learning environment that promotes excellence

2016-2017 NJDOE ASSESSMENTS

APA

Alternate Proficiency Assessment(Science)

DLM

Dynamic Learning Maps (Mathematics, Language Arts Literacy)

NJASK

NJ Assessment of Skills and Knowledge (Science)

NJBCT

NJ Biology Competency Test (Science)

PARCC

Partnership for Assessment of Readiness for College and Careers (Mathematics, Language Arts Literacy)





PROTECTING STUDENT CONFIDENTIALITY

- In the reporting of group assessment data, the intent is to protect student privacy through procedures that systematically prevent members of the public from discerning student identity.
- Guidelines provided by the Federal government state that in the reporting of assessment results, suppression of numbers should occur in categories where the counts are low, making it otherwise possible to infer the results of individuals.
- In practice, it is common to suppress numbers where a group size is equal to ten or less and to suppress totals when it is possible to calculate back to the results of two students.

2017

NJ ASSESSMENT OF SKILLS AND KNOWLEDGE (NJASK 4 & NJASK 8)

Science

NJ BIOLOGY COMPETENCY TEST (NJBCT)

RESULTS

DISTRICT FACTOR GROUPING (DFG)

Montgomery Township is identified as a "J" on a scale of letters A-J.

In terms of socio-economics, districts identifies as "A" represent the poorest districts while "J" districts are the wealthiest.

DISTRICT FACTOR GROUP J DISTRICTS

- Bernards Township
- Chester Township
- Cranbury Township
- Essex Fells Boro
- Glen Rock Boro
- Haddonfield Boro
- Harding Township
- Ho Ho Kus Boro
- Little Silver Boro
- Mendham Boro
- Mendham Township
- Millburn Township

- Montgomery Township
- Mountain Lakes Boro
- North Caldwell Boro
- Northern Highlands Regional
- Ridgewood Village
- Rumson Boro
- Rumson-Fair Haven Regional
- Saddle River Boro
- School District of Chathams
- Tewksbury Township
- Upper Saddle River Boro
- Woodcliff Lake Boro
- WW-P Regional

NJASK 4& 8 SCIENCE AND NJBCT CLUSTERS

NJASK 4 & 8

- Earth Science
- Life Science
- Physical Science
- Knowledge
- Application

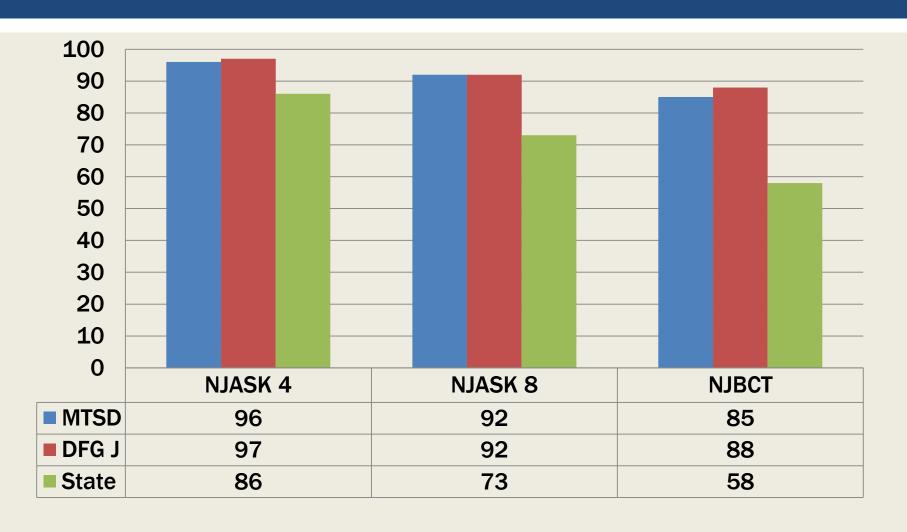
NJBCT

- Organization and Development
- Matter and Energy Transfer
- Interdependence
- Heredity and Reproduction
- Evolution and Diversity

NJASK 4& 8 AND NJBCT SCALE SCORES

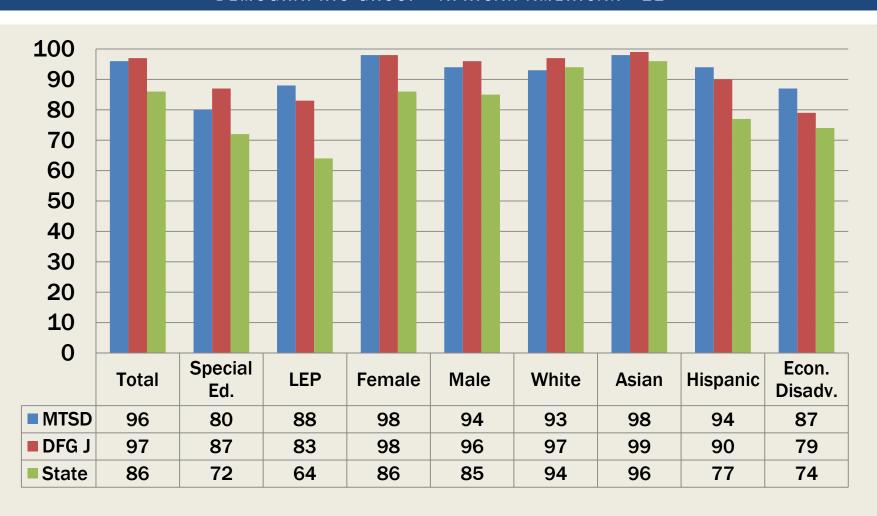
- Advanced Proficient/Pass 250 -300
- Proficient/Pass 200-249
- Partially Proficient/Not Pass 100-199

2017 STATEWIDE SCIENCE ASSESSMENTS PERCENT PASSING



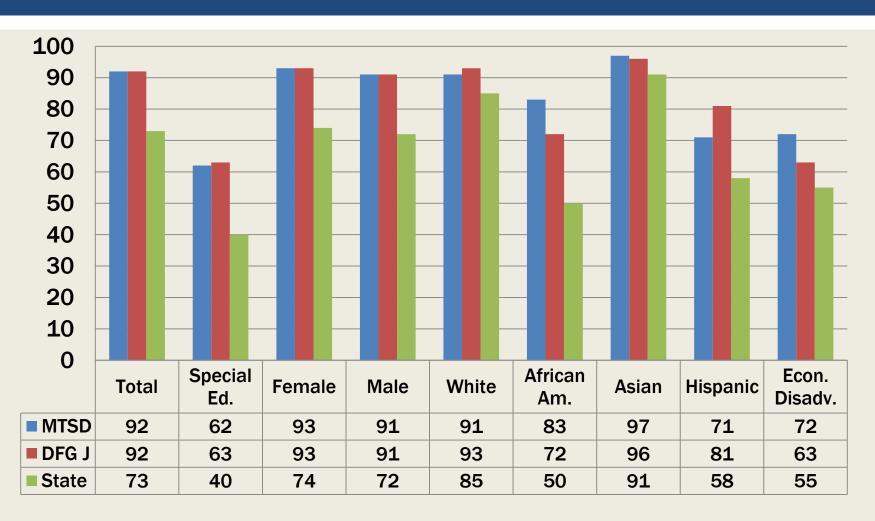
2017 NJASK 4 SCIENCE PERCENT PASSING BY DEMOGRAPHIC GROUP

* DEMOGRAPHIC GROUP= AFRICAN AMERICAN <11



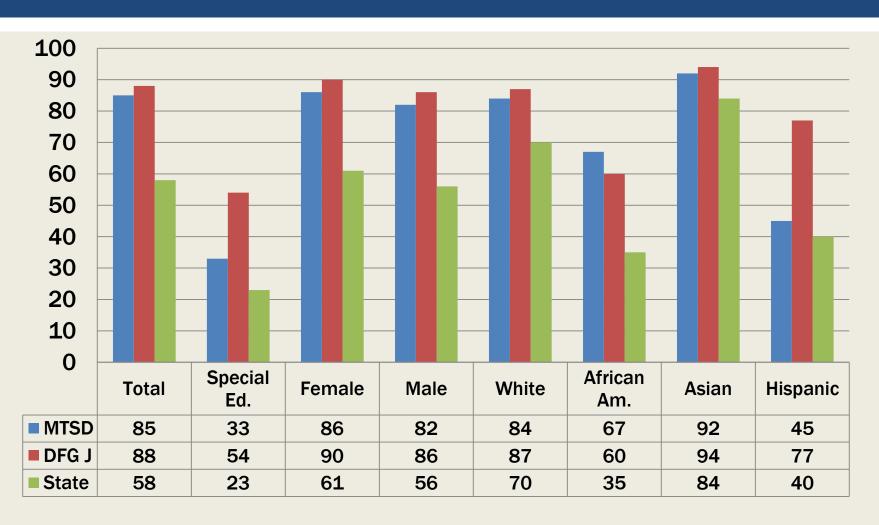
2017 NJASK 8 SCIENCE PERCENT PASSING BY DEMOGRAPHIC GROUP

* DEMOGRAPHIC GROUP= LIMITED ENGLISH PROFICIENCY (LEP) <11



2017 NJ BIOLOGY COMPETENCY TEST PERCENT PASSING BY DEMOGRAPHIC GROUP

* DEMOGRAPHIC GROUPS = LEP & ECONOMICALLY DISADVANTAGED <11



SPRING 2018 STATEWIDE SCIENCE ASSESSMENTS

- The new science assessments will be administered in Spring 2018 and will be aligned to the New Jersey Student Learning Standards for Science.
- The new science assessments will be computer-based tests.
- The NJDOE is sensitive to the timing of the roll-out of the new assessments this year and, as a result, will not include the new science assessments as part of the state's accountability for the 2017-18 school year under the New Jersey Quality Single Accountability Continuum (NJQSAC).
- The science assessments will be administered in grades 5, 8 and 11.
- The grade 11 high school assessment will be a comprehensive science assessment.
- The NJDOE is reaching out to educators with degrees in science to serve on Science Assessment Advisory Committees to ensure educators are working with the NJDOE throughout these transitions and are providing direct input regarding many aspects of the administration and implementation of the new assessments.

2017 PARCC RESULTS

Measuring College and Career Readiness

NEW JERSEY'S STATEWIDE ASSESSMENT PROGRAM

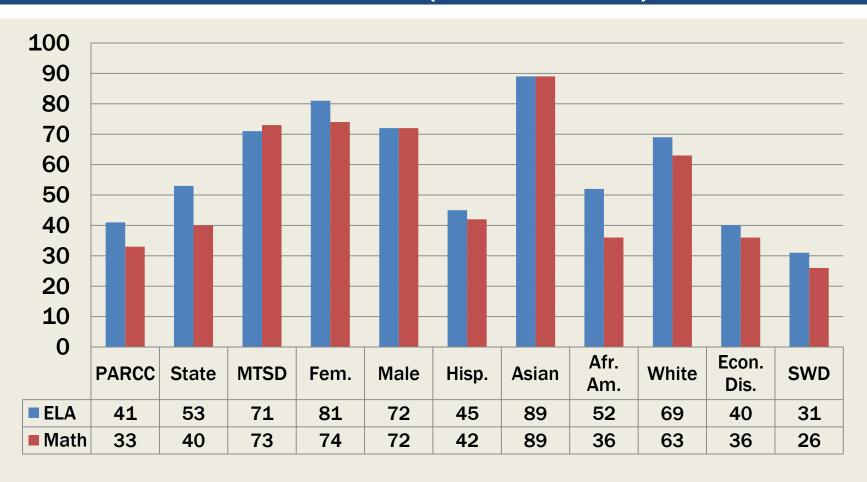
- 2017 marked the 3rd administration of the Partnership for Assessment of Readiness for College and Careers (PARCC) and the first opportunity to compare year-to-year results as the following slides will show.
- Students took PARCC English Language Arts and Literacy Assessments (ELA/L) in grades 3 11.
- Students took PARCC Mathematics Assessments in grades 3 8 and End of Course Assessments in Algebra I, Geometry, and Algebra II.

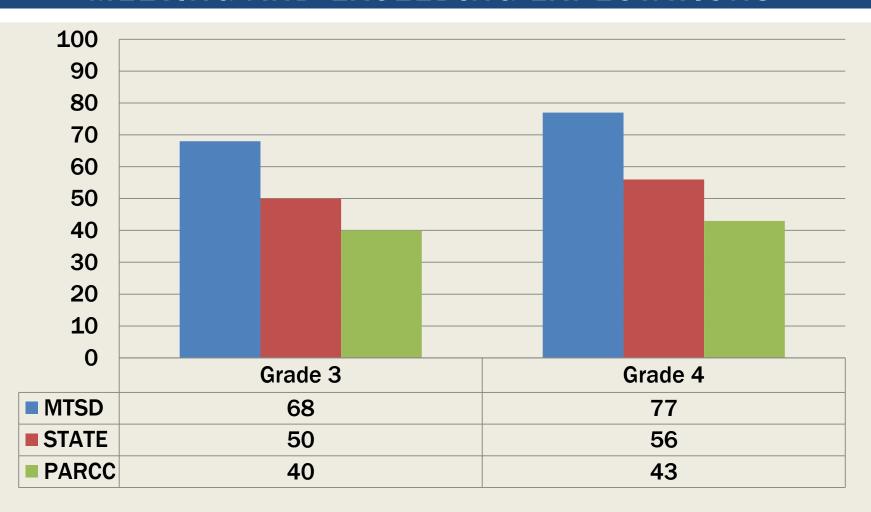
PARCC PERFORMANCE LEVELS

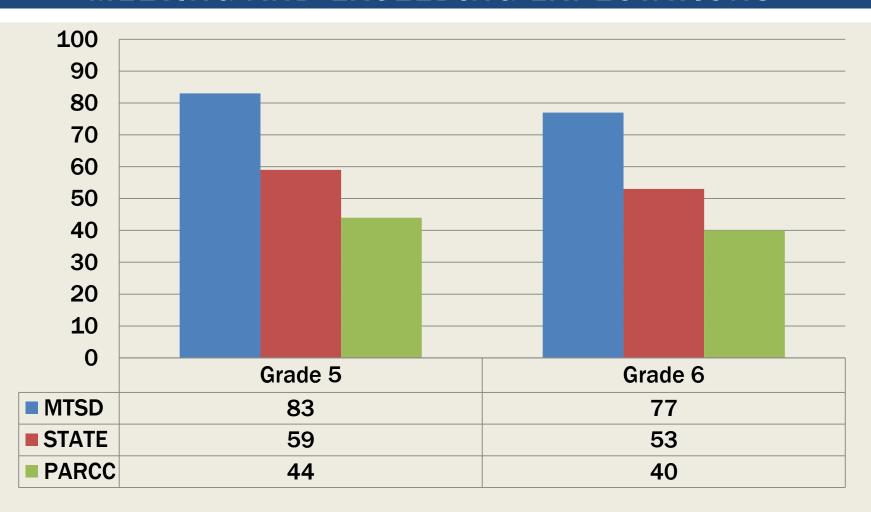
- Level 1: Not yet meeting grade-level expectations
- Level 2: Partially meeting grade-level expectations
- Level 3: Approaching grade-level expectations
- Level 4: Meeting grade-level expectations
- Level 5: Exceeding grade-level expectations

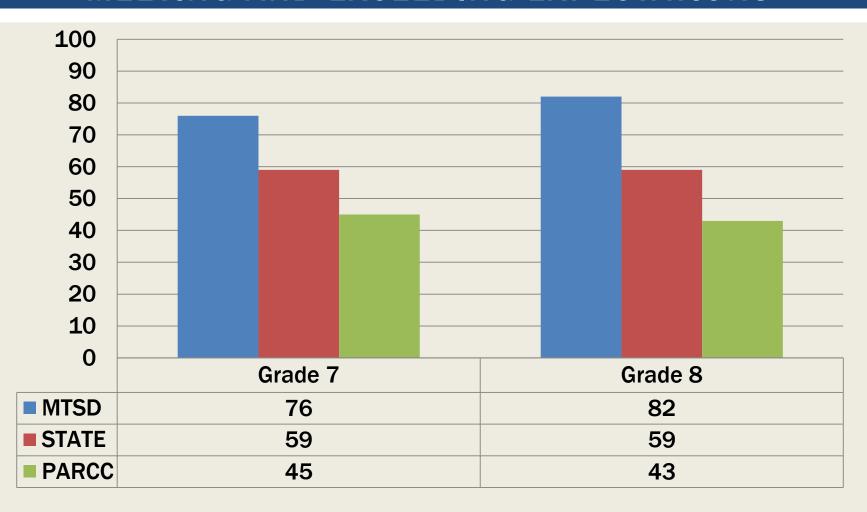
2017 SPRING PARCC ADMINISTRATION

% STUDENTS MEETING/EXCEEDING EXPECTATIONS DISTRICTWIDE (GRADES 3-11)

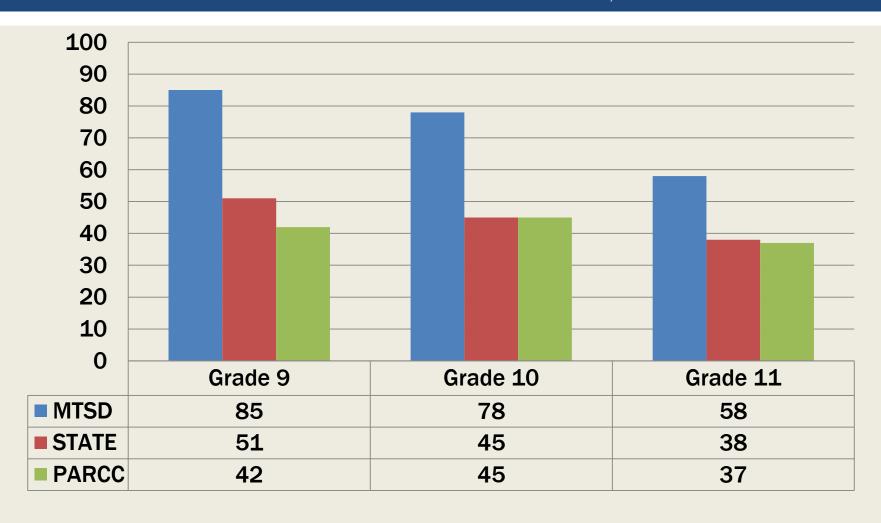








*GRADE 11 DOES NOT INCLUDE STUDENTS WHO TOOK AN AP/IB TEST.



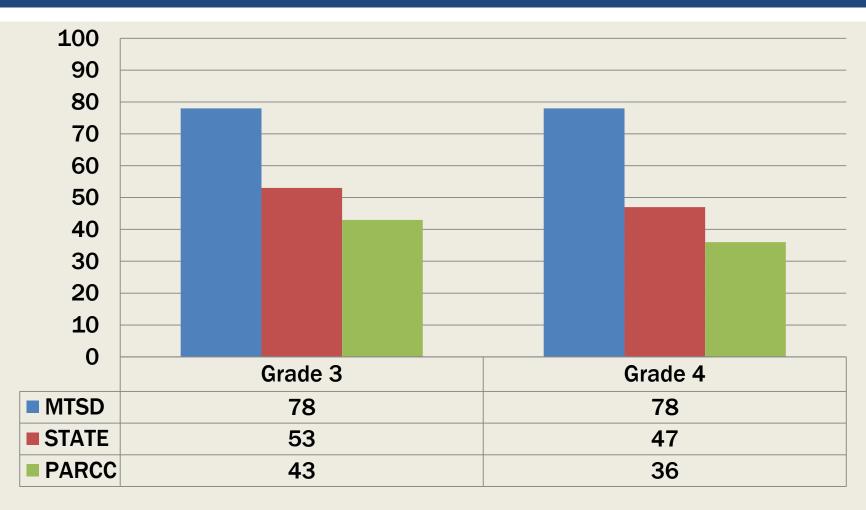
COMPARISON OF MONTGOMERY TOWNSHIP'S SPRING 2015, SPRING 2016, & SPRING 2017 PARCC ADMINISTRATIONS ENGLISH LANGUAGE ARTS/LITERACY - PERCENTAGES

	Montgomery Township % >= Level 4		State % >= Level 4			PARCC % >= Level 4			
Grade	2015	2016	2017	2015	2016	2017	2015	2016	2017
3	62	68	68	44	47	50	38	40	40
4	77	73	77	51	54	56	42	44	43
5	79	84	83	52	53	59	40	42	44
6	77	70	77	49	52	53	39	41	40
7	78	80	76	52	57	59	42	44	45
8	79	75	82	52	56	59	42	45	43
9	69	83	85	40	48	51	40	39	42
10	62	85	78	37	43	45	37	40	45
11*	86	63	58	41	39	38	39	39	37

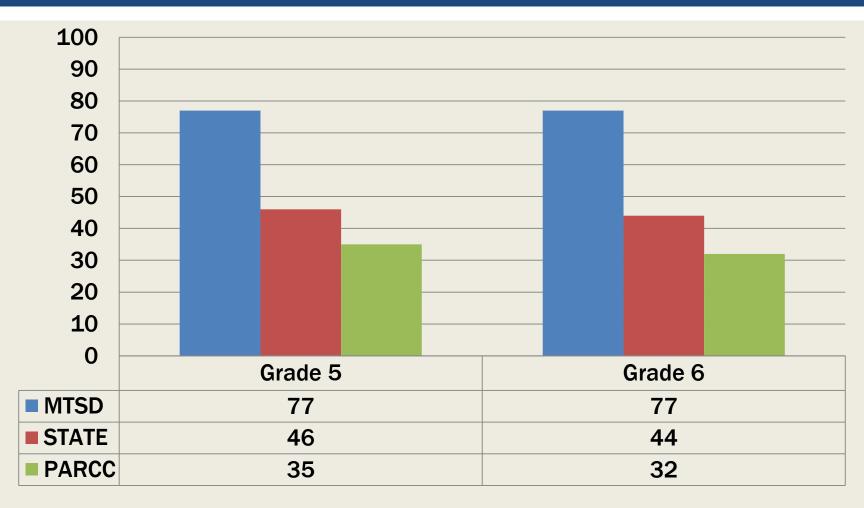
^{*}Grade 11 does not include students who took an AP/IB test for the Spring 2016 & 2017 administrations.

^{**}Level 4 and Level 5 is an indication a student is on pace to be college and career ready.

2017 MATHEMATICS PERCENTAGE(%) OF STUDENTS MEETING AND EXCEEDING EXPECTATIONS

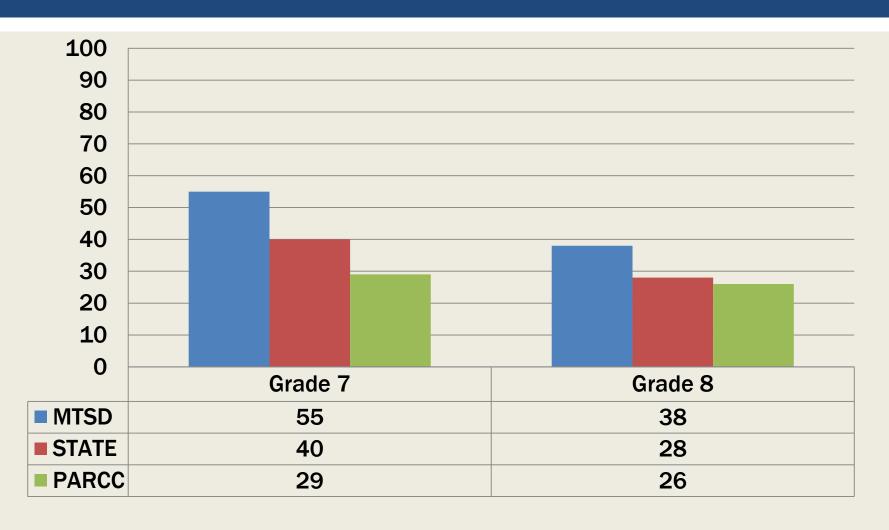


2017 MATHEMATICS PERCENTAGE(%) OF STUDENTS MEETING AND EXCEEDING EXPECTATIONS

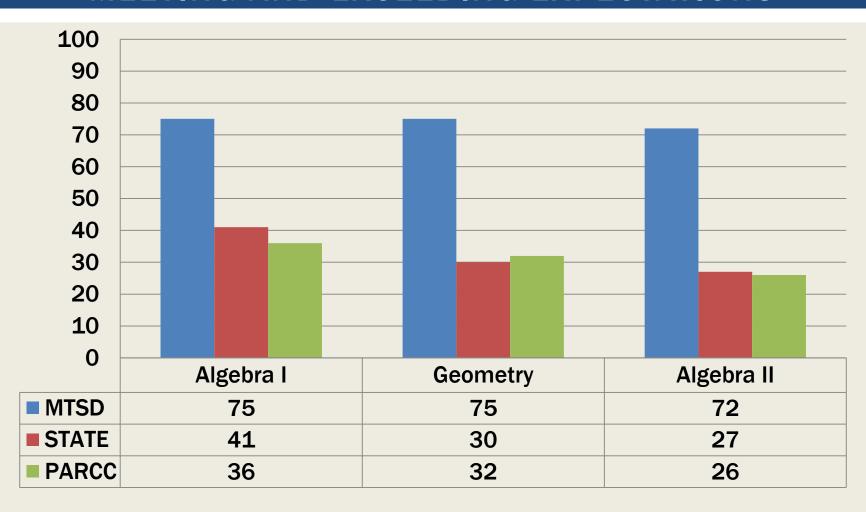


2017 MATHEMATICS PERCENTAGE(%) OF STUDENTS MEETING AND EXCEEDING EXPECTATIONS

*APPROXIMATELY 30,000 NEW JERSEY STUDENTS IN GRADE 8 PARTICIPATED IN THE PARCC ALGEBRA I ASSESSMENT.
THUS, PARCC MATH 8 OUTCOMES ARE NOT REPRESENTATIVE OF GRADE 8 PERFORMANCE AS A WHOLE.



2017 MATHEMATICS PERCENTAGE(%) OF STUDENTS MEETING AND EXCEEDING EXPECTATIONS

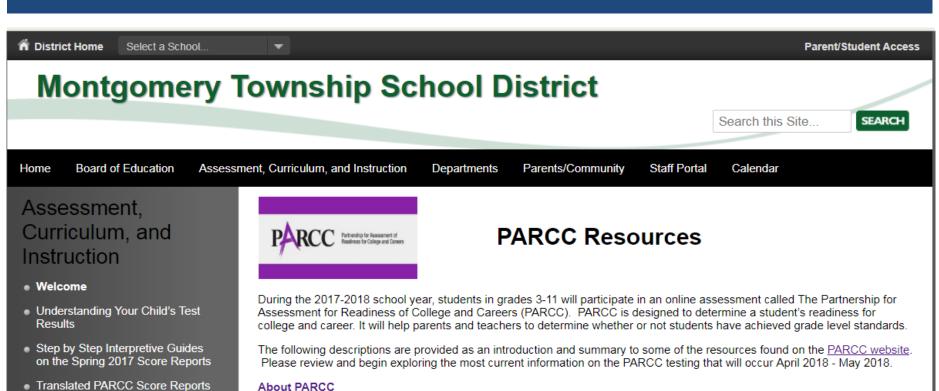


COMPARISON OF MONTGOMERY TOWNSHIP'S SPRING 2015, SPRING 2016, & SPRING 2017 PARCC ADMINISTRATIONS MATHEMATICS - PERCENTAGES

	Montgomery Township % >= Level 4			State % >= Level 4			PARCC % >= Level 4		
Grade	2015	2016	2017	2015	2016	2017	2015	2016	2017
3	71	79	78	45	52	53	38	44	43
4	70	75	78	41	47	47	32	37	36
5	72	78	77	41	47	46	32	38	35
6	70	67	77	41	43	44	32	34	32
7	57	54	55	37	38	40	29	31	29
8*	26	26	38	24	26	28	27	29	26
Algebra I	73	75	75	36	41	41	31	33	36
Geometry	62	71	75	22	27	30	27	27	32
Algebra II	66	69	72	24	25	27	21	23	26

^{*}Approximately 30,000 New Jersey students in grade 8 participated in the PARCC Algebra I assessment. Thus, PARCC Math 8 outcomes are not representative of grade 8 performance as a whole. **Level 4 and Level 5 is an indication a student is on pace to be college and career ready.

RESOURCES FOR PARENTS



7 IDOULT / II CO

This link gives an overview of The Partnership for Assessment of Readiness for College and Careers as well as their beliefs, the states who are participating in the PARCC assessments and resources.

Parent Resources

This link provides an assortment of resources that are intended to inform and support parents in their children's educational experiences.

NJDOE

NJPTA Guide to PARCC

Information

 Additional Resources About Assessment

MTSD Parent FAQ 2017-18

 Spring 2017 PARCC Individual Student Report Letter

Personal Needs Profile (PNP)

2017 ADVANCED PLACEMENT RESULTS

AP

ADVANCED PLACEMENT COURSES 2016-2017

- Art Studio
- Computer Science
- English Language and Composition
- English Literature and Composition
- French VI
- German VI
- Spanish VI
- Calculus AB
- Calculus BC

- Statistics
- Chemistry
- Biology
- Environmental Science
- Physics C
- Art History
- US History
- US Government and Politics
- Economics

ADVANCED PLACEMENT 2017

■ Total Students: 530

■ Total Exams: 1,337

ADVANCED PLACEMENT

Highly Selective Schools are generally looking for students to obtain scores of 5 or 4 when considering students for admission.

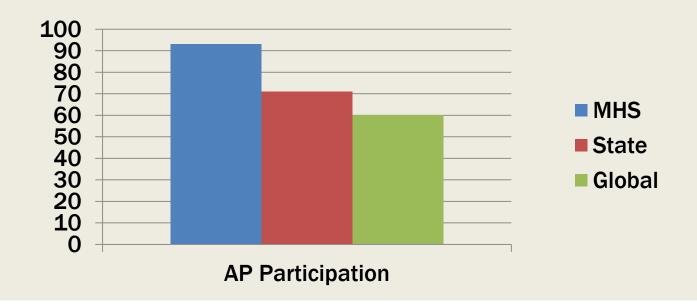
MHS= 76% of Total Exams

Many other schools generally are looking for students to obtain a score of 3 or higher when considering students for admission.

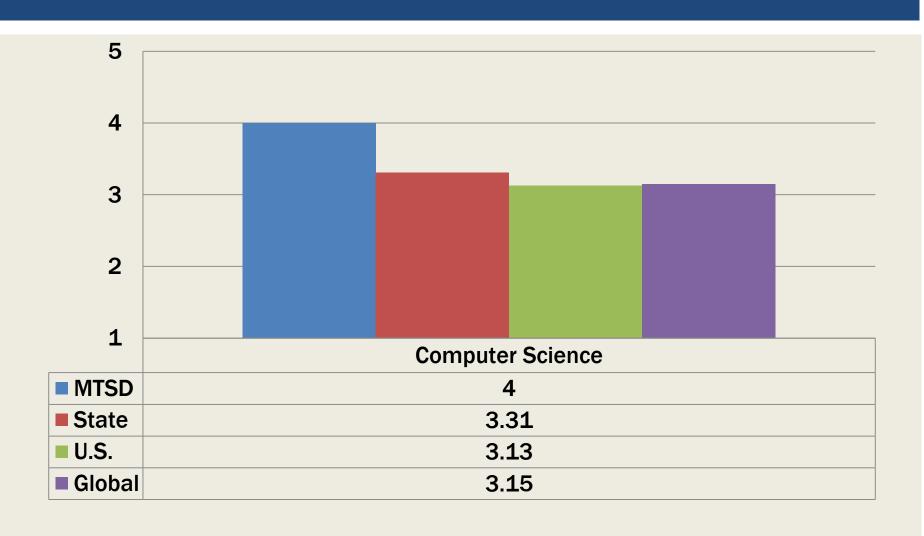
MHS= 93% of Total Exams

2017 AP RESULTS

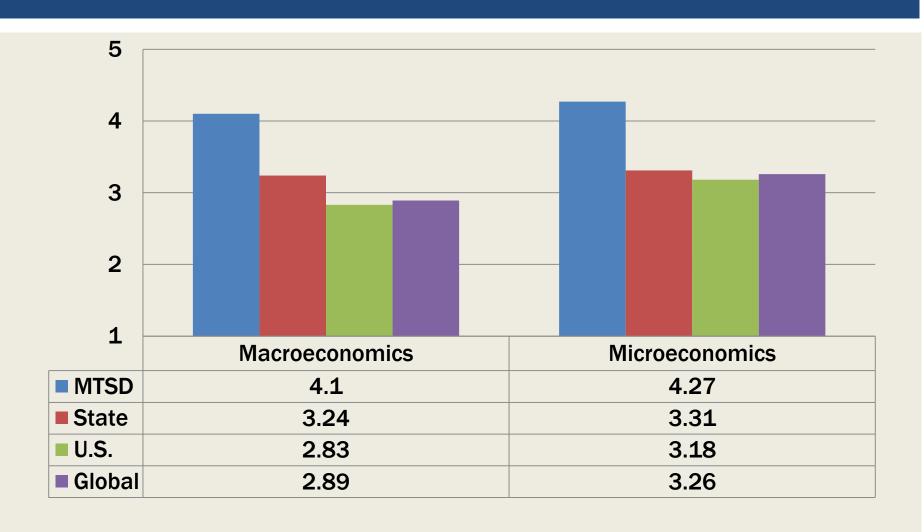
% of Total AP Students	MHS	State	Global
3 or Above was Earned	93%	71%	60%



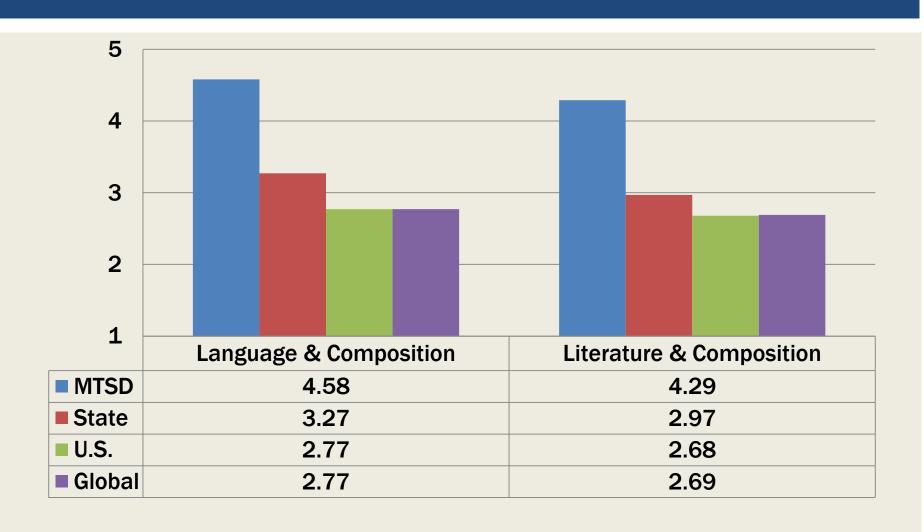
2017 ADVANCED PLACEMENT COMPUTER SCIENCE MEAN SCORES



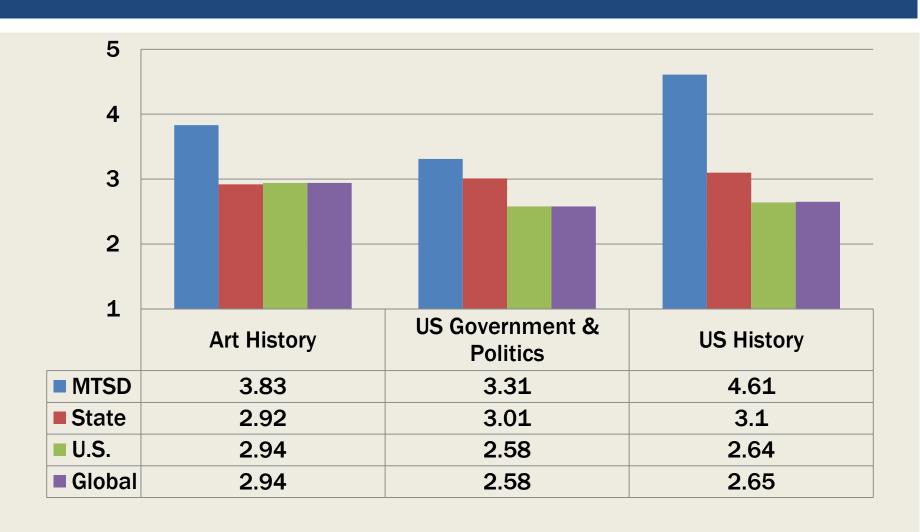
2017 ADVANCED PLACEMENT ECONOMICS MEAN SCORES



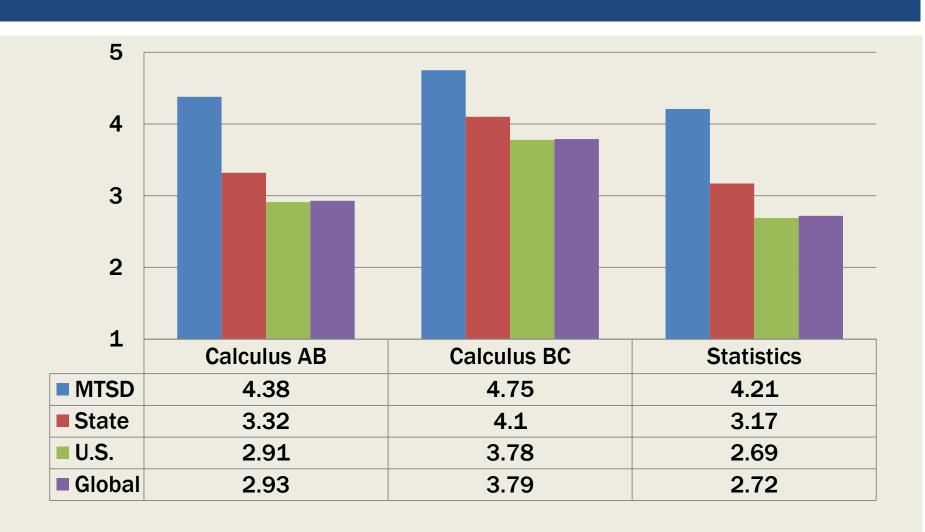
2017 ADVANCED PLACEMENT ENGLISH MEAN SCORES



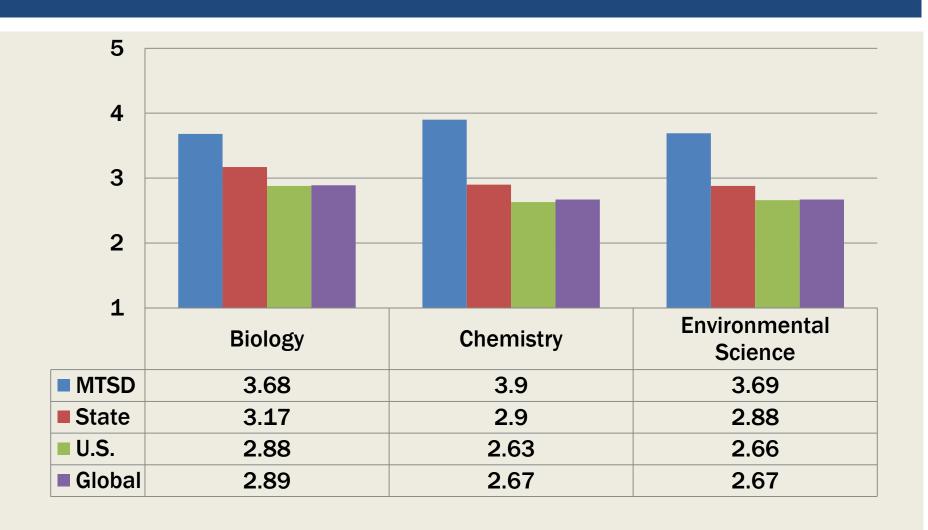
2017 ADVANCED PLACEMENT HISTORY MEAN SCORES



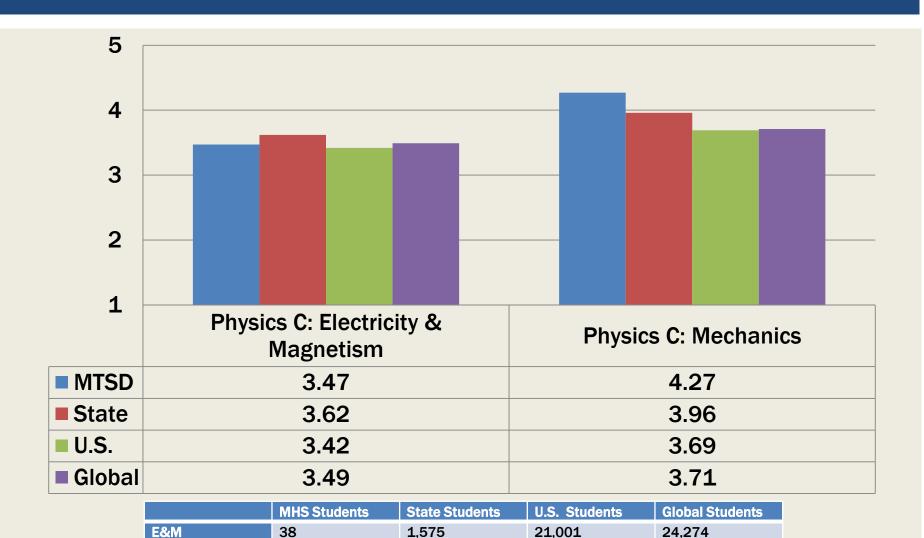
2017 ADVANCED PLACEMENT MATHEMATICS MEAN SCORES



2017 ADVANCED PLACEMENT SCIENCE MEAN SCORES



2017 ADVANCED PLACEMENT SCIENCE MEAN SCORES (CONT.)



2.793

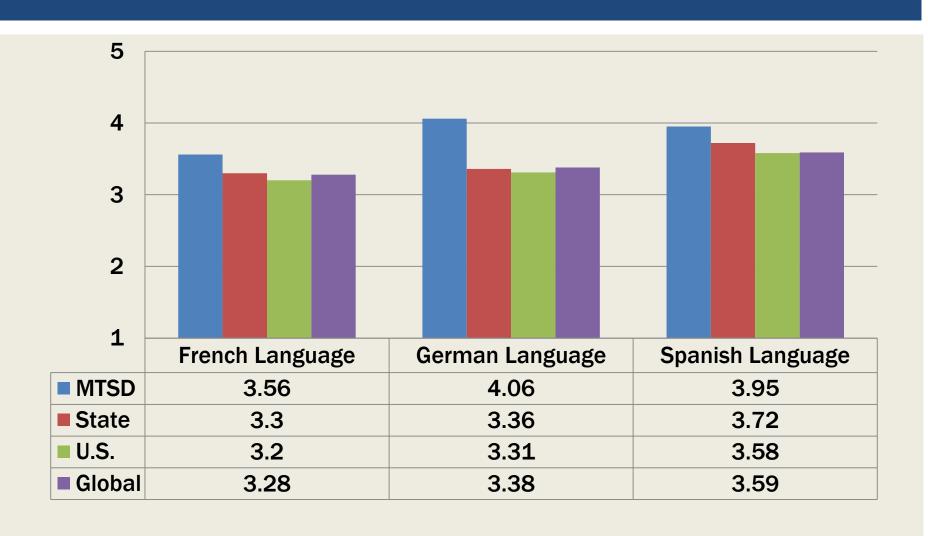
49.224

55.042

Mechanics

49

2017 ADVANCED PLACEMENT WORLD LANGUAGES MEAN SCORES



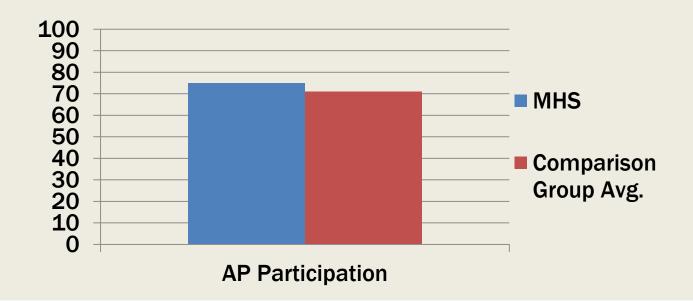
COMPARATIVE GROUP

- Chatham
- Haddonfield Memorial
- Livingston
- Millburn
- New Providence
- Princeton

- Ridge
- Ridgewood
- Summit
- West Windsor
 Plainsboro- North
- West Windsor
 Plainsboro- South

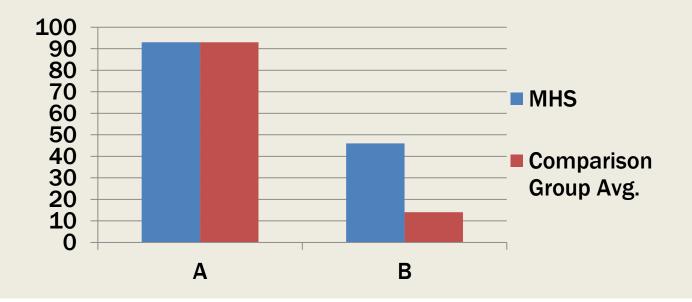
AP PARTICIPATION 2016

% of Students Taking	MHS	Comparison Group Average
One or More AP Exams	75%	71%



AP RESULTS 2016

% of Total AP Students	MHS	Comparison Group Average
A) 3 or Above was Earned	93%	93%
B) 5 was earned	46%	14%



COLLEGE ENTRANCE EXAMS

SAT & ACT

SAT

The SAT tests reasoning and verbal abilities and is designed to assess students' academic readiness for college.

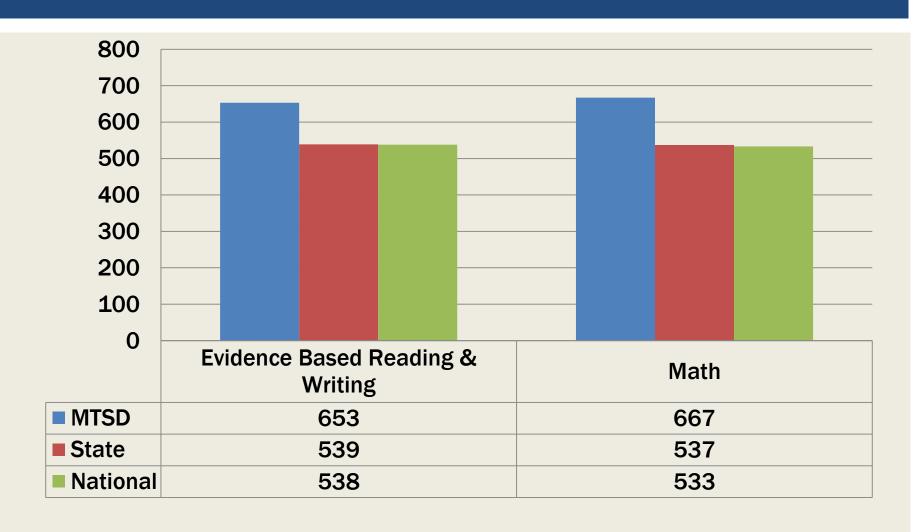
- "OLD" (ended January 2016)
- Critical Reading- 800
- Math- 800
- Writing- 800
- "NEW" (1st administration March 2016)
- Math- 800
- Verbal- 800
- Writing (optional, does not factor into score of 1600)

SAT

This report includes some students who took the old SAT as well as those who took the new SAT. Their scores have been concorded to the new SAT score scale.

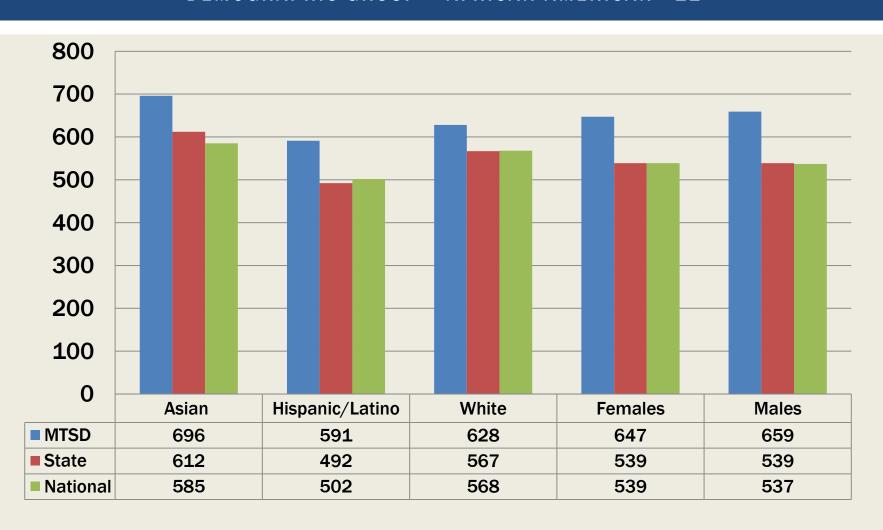
Old SAT scores cannot be concorded to the new SAT's cross-test scores, subscores, or Essay scores and are not included in aggregate mean scores.

CLASS OF 2017 MEAN SAT SCORES



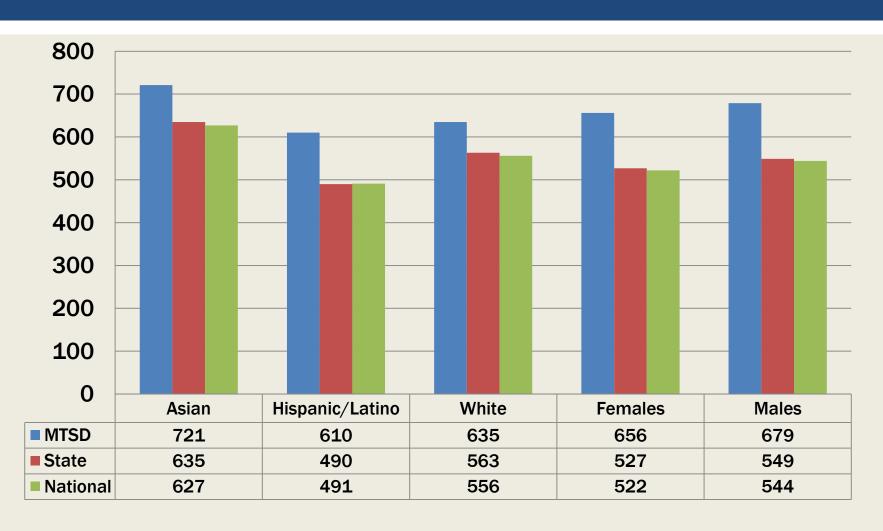
CLASS OF 2017 SAT EVIDENCE-BASED READING & WRITING SCORES BY DEMOGRAPHIC GROUP

* DEMOGRAPHIC GROUP = AFRICAN AMERICAN <11



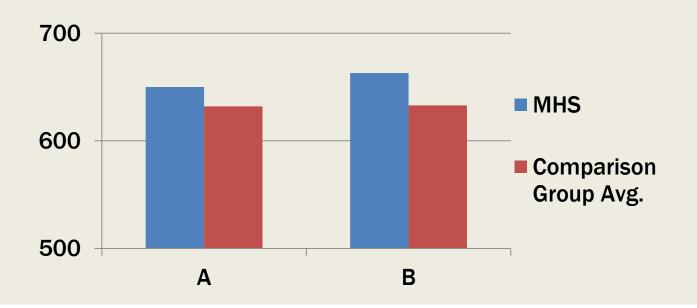
CLASS OF 2017 SAT MATH SCORES BY DEMOGRAPHIC GROUP

* DEMOGRAPHIC GROUP = AFRICAN AMERICAN <11



SAT RESULTS 2016

SAT Mean Score	MHS	Comparison Group Average
A) Reading & Writing	650	632
B) Mathematics	663	633



ACT

■ The ACT is an achievement test, measuring what a student has learned in school.

Composite Score- 36

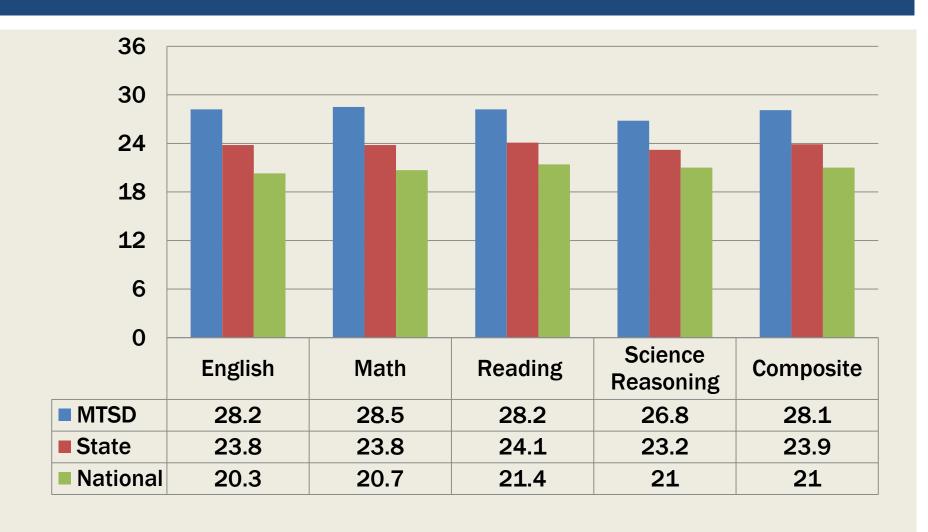
English

Math

Reading

Science

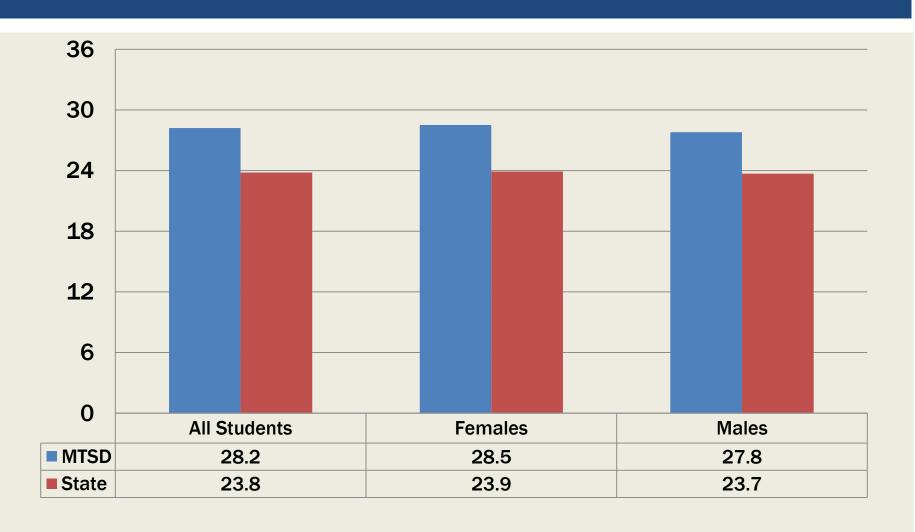
CLASS OF 2017 MEAN ACT SCORES



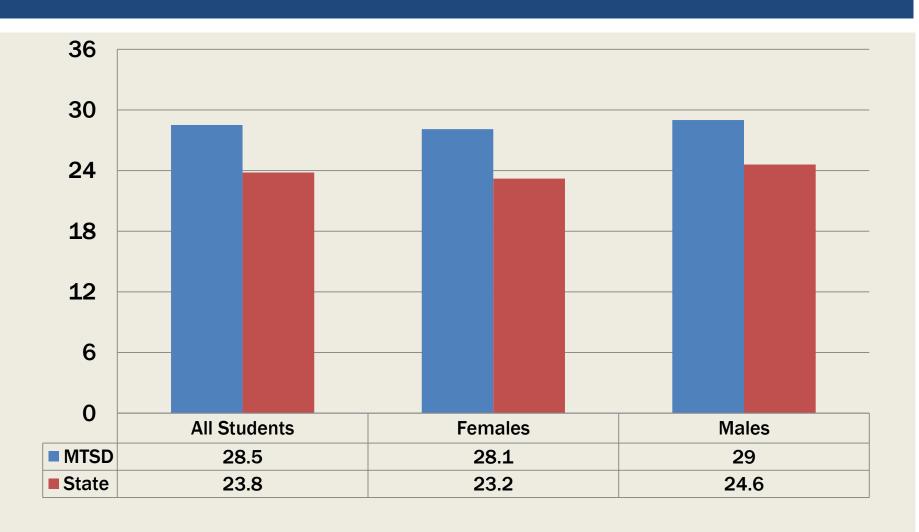
CLASS OF 2017 ACT DEMOGRAPHICS ETHNICITY

To protect student confidentiality, the mean ACT scores by race/ethnicity will not be presented, due to all subgroups, with the exception of two having a group size that is equal to ten or less.

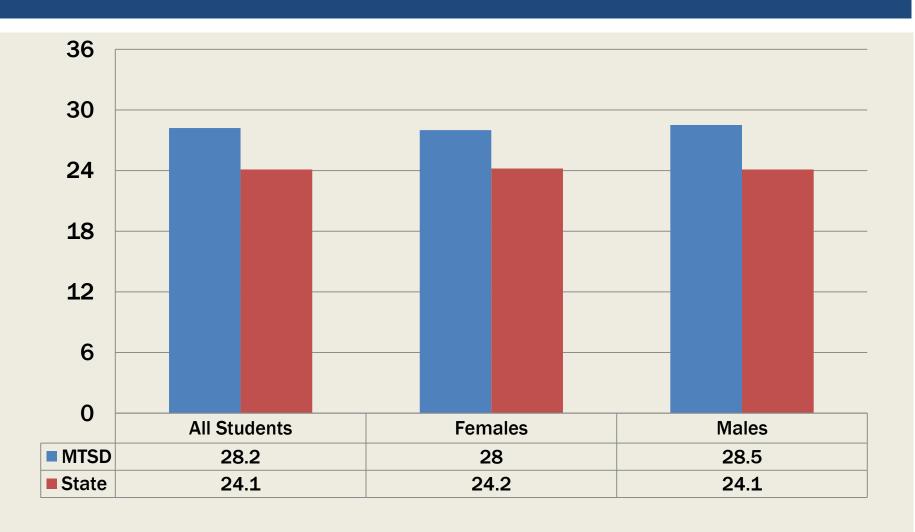
CLASS OF 2017 AVERAGE ACT ENGLISH SCORES BY GENDER



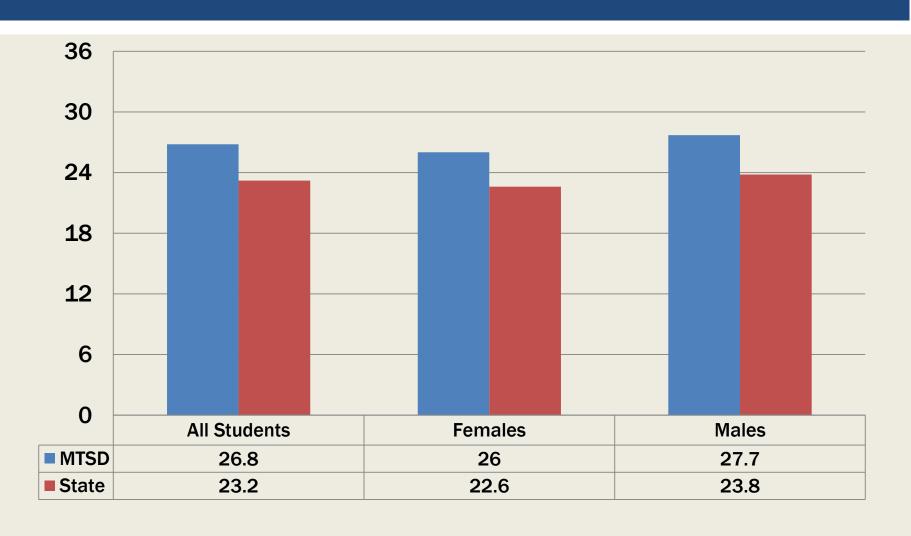
CLASS OF 2017 AVERAGE ACT MATH SCORES BY GENDER



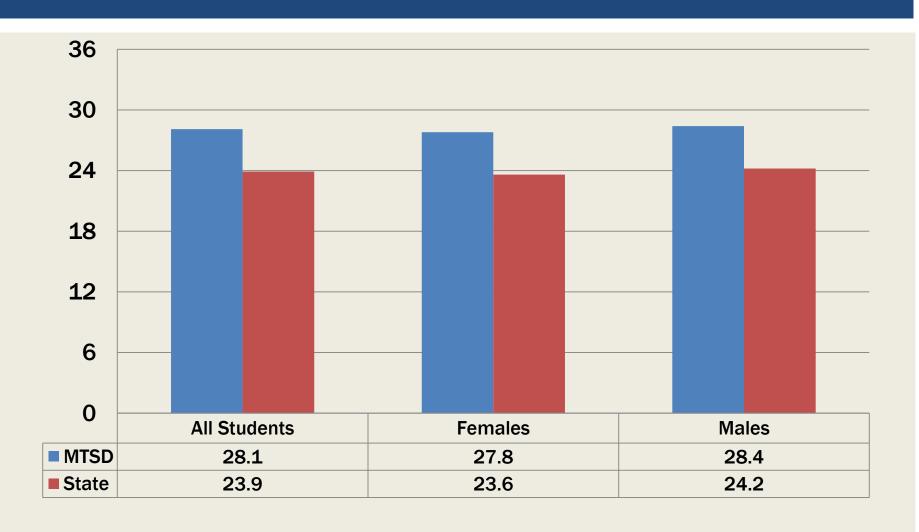
CLASS OF 2017 AVERAGE ACT READING SCORES BY GENDER



CLASS OF 2017 AVERAGE ACT SCIENCE SCORES BY GENDER



CLASS OF 2017 AVERAGE ACT COMPOSITE SCORES BY GENDER



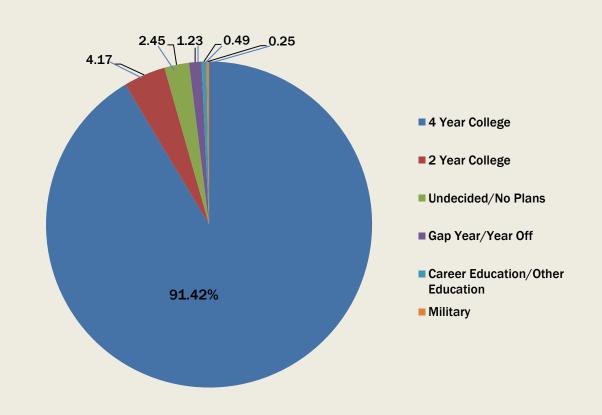
COLLEGE ADMISSIONS

Applications, Acceptances, College Visits

MHS CLASS OF 2017 SNAPSHOT

408 Students Graduated

96.1% are continuing their education



Data from Naviance

NAVIANCE

- Naviance is a web-based program where students can access many resources to find out how they learn best, what they are good at and what interests them, and how they can use that information to set goals and plan their future.
- Utilized in grades 7-12

NAVIANCE

UMS

- Cycle Class: College and Career Readiness—7th Grade:
 - Learning Styles Assessment
 - Strengths Explorer
 - Do What You Are
- 8th Grade
 - Revisit prior assessments
 - Exploring interests for HS course selection
 - Focus on strengths and solutions for overcoming challenges

MHS

- Continued self-discovery
 - Grade 9: Learning Styles Inventory
 - Grade 10: Do What You Are, Career Interest Profiler
- College Search Process grade 11
- College Application Process—Grade 12
- Customizable Surveys
- Resume Builder

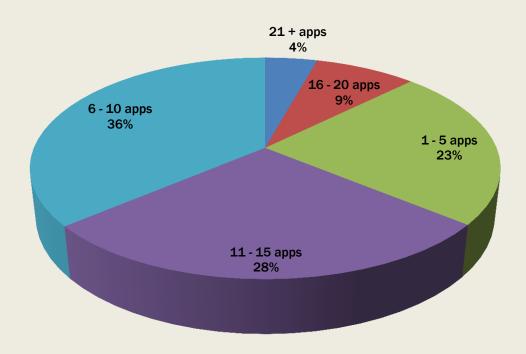
CLASS PROFILES

	2017	2016	2015	2014	2013
Graduating Class Size	408	441	433	401	427
Average GPA	89.7	90.1	88.4	89	87.9
Average PSAT	165	181	182	174	183
Average SAT (1600 scale)	1321	1284	1258	1265	1254
Average SAT (2400 scale)	1969	1921	1880	1894	1880
Average ACT	28	27	27	26	25
Number of Apps Submitted	3634	4032	3898	3723	3464
Average Number of Apps per Student	8.9	9.1	9.0	9.3	8.1
Percentage Accepted	45%	47%	44%	46%	48%

Data from Naviance

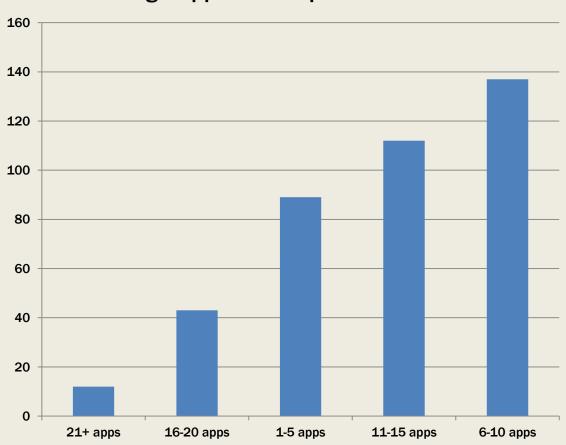
COLLEGE APPLICATIONS PER STUDENT 2017

College Applications per Student 2017



COLLEGE APPLICATIONS PER STUDENT 2017



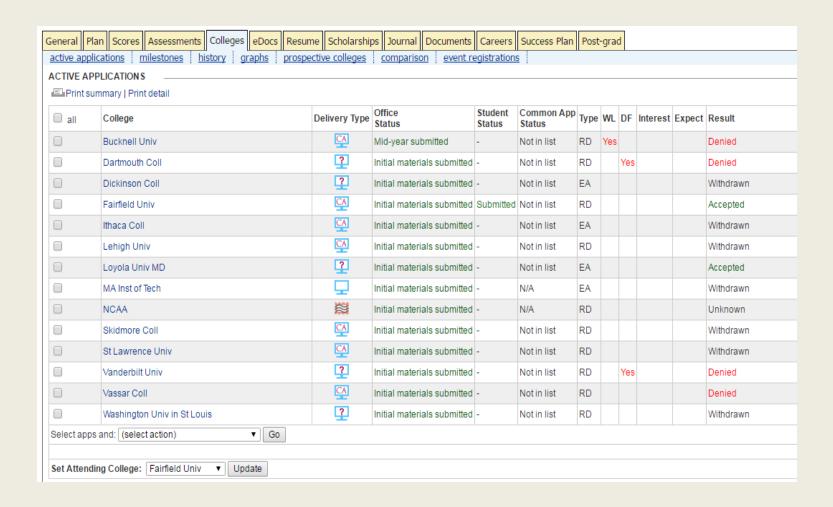


Data from Naviance

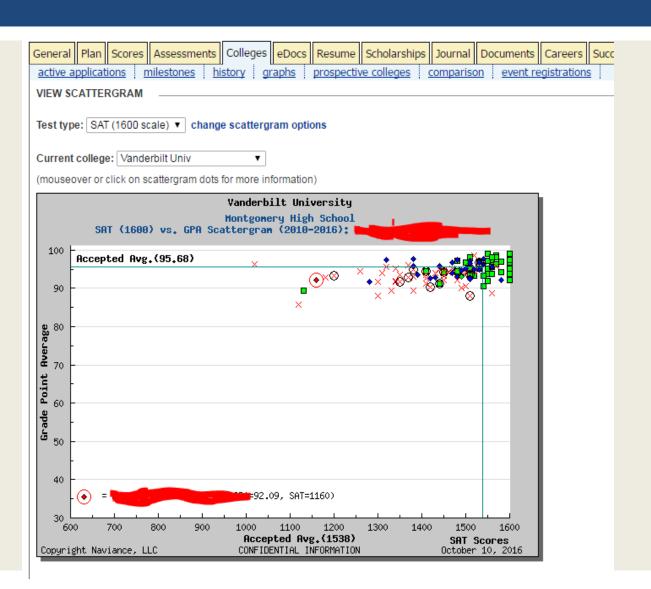
COLLEGE PROCESS AND NAVIANCE

print scor	es										
Looking Fo	or new SAT s	cores? You can	find them in the <u>up</u>	dated key tes	st scores area.						
Highest com	bined SAT (1	600 scale):		1160		Highest PSAT: -					
Highest com	ibined SAT (2	400 scale):		1740		Highest ACT Aspire: -					
_		re Oct 2015):		29							
Highest ACT				30							
SAT (taken b	efore Mar 20	16)									
Critical Reading	Math	Writing	Essay Subscore	MC Subsco	re Total	Date	Grade				
510	650	580	8	59	1740	Mar 2015	11				
ACT (taken l	before Oct 20)15) 🚺									
English		Math	Reading	Science	Writing Sub	Comb. English/M	riting		Composite	Date	Grade
28		28	30	26	10	28			28	Feb 2015	11
30		30	28	26	8	28			29	Apr 2015	11
ACT											
English		Math	Reading	Science	Writing	ELA 🕖		STEM 🕖	Composite	Date	Grade
34		32	29	25	-	-		-	30	Oct 2015	12
34		32	29	25	_			29	30	Oct 2015	12

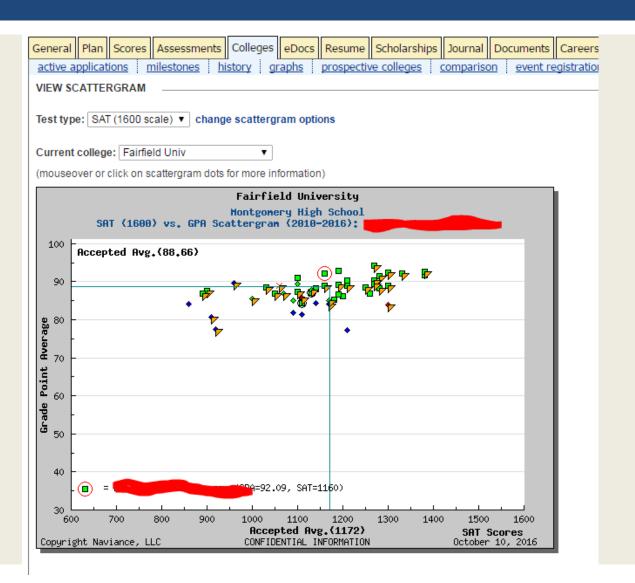
COLLEGES APPLICATIONS



NAVIANCE SCATTERGRAMS



NAVIANCE SCATTERGRAMS



College	Net Apply	Accept	%	Attend
Rutgers	190	145	76.3%	54
Penn State	85	54	63.5%	21
Drexel	72	53	73.6%	8
Boston Univ	68	16	23.5%	4
Northeastern	64	30	46.9%	2
Cornell	62	9	21.4%	6
NYU	62	19	30.6%	10
U. of Delaware	59	33	55.9%	6
U. of Michigan	58	19	32.8%	6
U. of Maryland	55	26	47.3%	5

College	Apply	Accept	%	Attend
Rutgers	190	145	76.3%	54
Penn State	85	54	63.5%	21
Drexel	72	53	73.6%	8
Boston Univ	68	16	23.5%	4
Northeastern	64	30	46.9%	2
NYU	62	19	30.6%	10
Cornell	62	9	14.5%	6
U. Delaware	59	33	55.9%	6
U. Michigan	58	19	32.8%	6
U. Maryland	55	26	47.3%	5

College	Apply	Accept	%	Attend
Rutgers	228	146	64%	55
Penn State	84	54	64.3%	22
TCNJ	72	38	52.8%	11
Northeastern	72	32	44.4%	4
U. of Delaware	63	42	66.7%	9
U. of Maryland	62	29	46.8%	8
Cornell	62	5	8.1%	3
Boston U.	59	14	23.7%	1
NYU	56	19	33.9%	6
Carnegie Mellon	54	12	22.2%	3

College	Apply	Accept	%	Attend
Rutgers	252	186	73.8%	65
Penn State	95	70	73.7%	18
Northeastern	73	34	46.6%	4
Boston U.	71	28	39.4%	3
TCNJ	69	26	37.7%	9
NYU	67	25	37.3%	11
U. Delaware	64	44	68.8%	10
U. Michigan	60	21	35%	8
Cornell	58	9	15.5%	4
U. of Maryland	57	30	52.6%	2

College	Net Apply	Accept	%	Attend
Rutgers	230	171	74.3%	56
Penn State	82	61	74.4%	11
TCNJ	77	36	46.8%	11
Northeastern	72	34	47.2%	5
Drexel	70	50	71.4%	8
U. of Michigan	69	14	20.3%	8
Boston Univ.	68	19	27.9%	3
U. of Maryland	57	27	47.4%	2
NYU	57	18	31.6%	7
Johns Hopkins	55	5	9.1%	4

TOP 10 COLLEGE APPS 2013-2017

College	Apply	Accept	%	Attend
Rutgers	1106	806	72.9%	288
Penn State	416	292	70.2%	83
Northeastern	346	161	46.5%	22
TCNJ	333	149	44.7%	44
Boston U.	329	97	29.5%	17
Drexel	309	234	75.7%	36
NYU	307	110	35.8%	47
U. of Maryland	295	147	49.8%	24
U. of Delaware	294	167	56.8%	37
Cornell	288	29	10.1%	17

IVY LEAGUE COLLEGES 2017

College	Net Apply	Accepted	% Accepted	National Accep-tance 2017	Attending
Brown	29	0	0%	7.3%	0
Columbia	33	1	3.0%	4.9%	1
Cornell	54	2	3.7%	11.4%	2
Dartmouth	15	0	0%	9.6%	0
Harvard	20	0	0%	4.6%	0
Penn	51	1	2.0%	8.2%	1
Princeton	43	4	9.3%	5.4%	3
Yale	20	0	0%	6.1%	0
Totals	265	8	3.0%		7

IVY LEAGUE COLLEGES 2013-2017

College	Applied	Accepted	% Accepted	Attended
Brown	109	4	3.7%	0
Columbia	165	6	3.6%	5
Cornell	288	29	10.1%	17
Dartmouth	71	8	11.3%	4
Harvard	85	4	4.7%	4
Penn	256	14	5.5%	9
Princeton	198	21	10.6%	18
Yale	83	3	3.6%	2
Total	1255	89	7.1%	59

PORTRAIT OF AN IVY LEAGUE FRESHMEN CLASS

College	Private HS	International *	Legacy	Early admit	1 st in family
Harvard	36%	11%	29%	46% Early D	8.7%
Yale	43%	11%	12%	41% of accepted Early A	16.6%
Columbia	NR**	15%	16%	45% Early D	18%
Princeton	38%	11%	13%	40% of accepted Early A	17%

^{*}International statistics from 2014

^{**}Not reported

COLLEGE VISITS TO MHS

- In 2016-17 school year 173 colleges visited MHS
- 1,160 students registered for those visits
- In 2011-12 school year 137 colleges visited MHS
- 951 students registered for those visits

TOP 10 COLLEGES THAT STUDENT ATTENDED INFORMATION SESSIONS AT MHS

2017	2016	2015	2014	2013
U. Michigan	NYU	Rutgers	Penn State	Rutgers
Rutgers	U. Michigan	Penn State	NYU	Northeastern
Penn State	Rutgers	Johns Hopkins	Rutgers	NYU
Northeastern	Carnegie Mellon	Lehigh	Carnegie Mellon	Boston U.
NYU	UPenn	UPenn	Northeastern	Northwestern
U. Cal, Berkeley	Penn State	Vanderbilt	Lehigh	U. Chicago
Columbia	TCNJ	Carnegie Mellon	Northwestern	TCNJ
UPenn	Villanova	Boston U.	U. Michigan	Columbia
Boston U.	U. of Illinois	U. Michigan	Duke	UConn
Villanova	U. Pittsburgh	Northeastern	Boston U.	UMass

COLLEGE SERIES PRESENTATIONS 2017-18

- September: Senior Parents
- October: "The Admissions Game"
- November: Financial Aid
- December: Sophomore Parents/Career Fair
- January: Junior Parents
- March: Financial Aid