

Montgomery Township School District



Montgomery Township School District Statewide Assessment Results 2017-2018

Presented by:
Damian Pappa
Director of Data, Assessment & Accountability

October 16, 2018

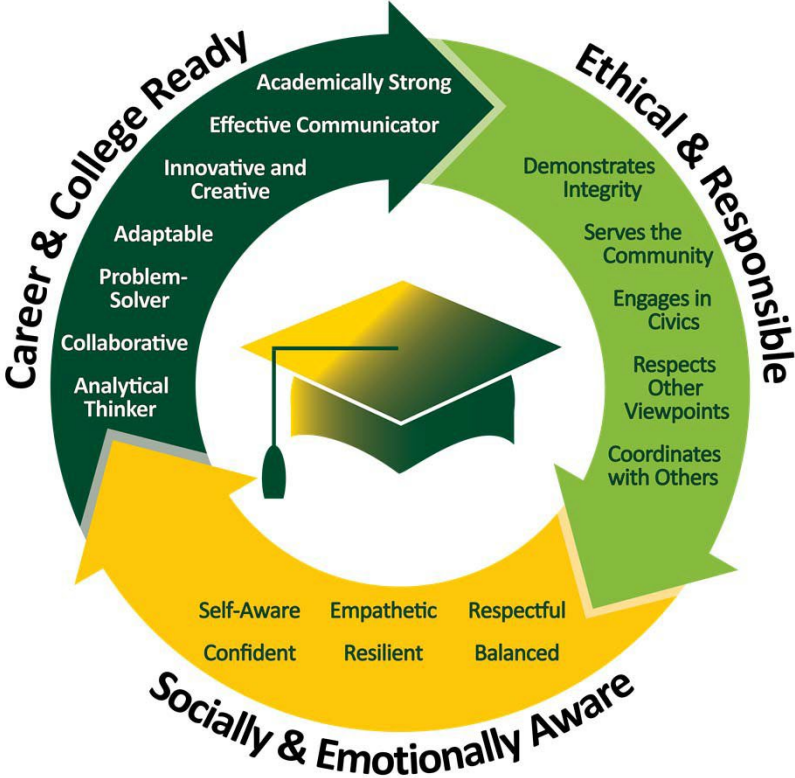
Montgomery Township School District



Portrait of a Graduate

Montgomery Township School District

Portrait of a Graduate



Montgomery Township School District



Portrait of a Graduate

Goal 1

Student Success:

Maximize the social-emotional and academic growth of every student

Goal 2

School and Work Environment:


Ensure a learning environment that promotes excellence

Montgomery Township School District



Statewide Assessments

District Home | Our Schools ▾



Montgomery Township School District

Home | Board of Education | Assessment, Curriculum, and Instruction | Departments | Parents/Community

Upcoming Events

Headlines

Tuesday, October 16
Board of Education Meeting
7:30 PM

District Assessments 

Montgomery Township School District



Statewide Assessments

<https://www.mtsd.k12.nj.us/cms/lib/NJ01000127/Centricity/Domain/1/2018-2019%20Parent%20Notification%20of%20Standardized%20Assessments.pdf>

Montgomery Township School District



2017-2018 NJDOE Assessments

DLM

Dynamic Learning Maps

(Language Arts Literacy, Mathematics and Science)

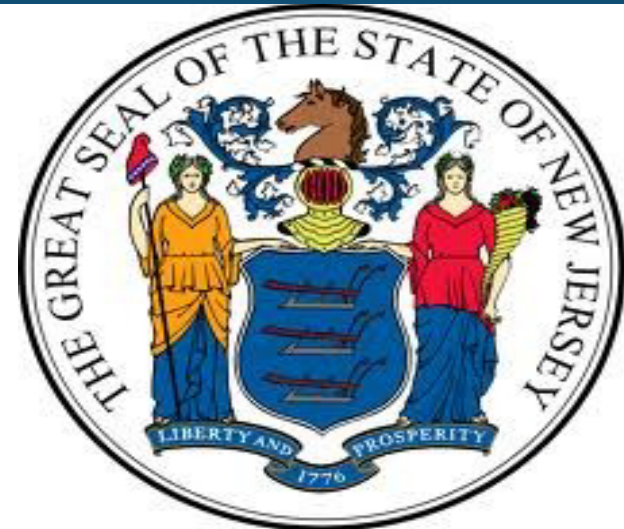
NJSLA-S

New Jersey Student Learning Assessment for Science(Science)

PARCC

Partnership for Assessment of Readiness for College and Careers

(Language Arts Literacy and Mathematics)



Montgomery Township School District



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.

Montgomery Township School District



2017-2018



Montgomery Township School District



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

Montgomery Township School District



Mean & Median Spring 2018 PARCC Administrations MTSD English Language Arts/Literacy

Assessment	Mean	Median
ELA 3	758	775
ELA 4	770	771
ELA 5	772	775
ELA 6	775	776
ELA 7	786	790
ELA 8	779	783
ELA 9	780	780
ELA 10	780	783
ELA 11	745	750

Montgomery Township School District



English Language Arts/Literacy % of Students Meeting and Exceeding Expectations Spring 2015 - Spring 2018 PARCC Administrations

Grade	Montgomery Township % >= Level 4				State % >= Level 4				PARCC % >= Level 4			
	2015	2016	2017	2018	2015	2016	2017	2018	2015	2016	2017	2018
3	62	68	68	60	44	47	50	52	38	40	40	41
4	77	73	77	75	51	54	56	58	42	44	43	44
5	79	84	83	82	52	53	59	58	40	42	44	43
6	77	70	77	78	49	52	53	56	39	41	40	41
7	78	80	76	82	52	57	59	63	42	44	45	47
8	79	75	82	80	52	56	59	60	42	45	43	44
9	69	83	85	84	40	48	51	54	40	39	42	49
10	62	85	78	80	37	43	45	50	37	40	45	47
11*	86	63	58	50	41	39	38	38	39	39	37	39

*Grade 11 does not include students who took an AP/IB test for the Spring 2016, 2017 & 2018 administrations.

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

Notes: Data shown is preliminary. Percentages may not total 100 due to rounding.

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English Language Arts/Literacy % of Students Not Yet and Partially Meeting Expectations Spring 2015 - Spring 2018 PARCC Administrations

Grade	Montgomery Township % Level 1 & Level 2				State % Level 1 & Level 2				PARCC % Level 1 & Level 2			
	2015	2016	2017	2018	2015	2016	2017	2018	2015	2016	2017	2018
3	20	13	14	19	33	29	27	26	39	37	37	37
4	9	10	9	10	23	21	21	20	30	30	31	31
5	6	6	8	6	22	22	19	20	30	31	30	31
6	7	11	7	10	24	21	21	20	30	30	32	31
7	8	6	12	7	25	23	20	19	32	32	31	30
8	8	9	6	8	27	23	21	20	32	31	33	33
9	11	7	4	7	37	28	26	25	34	35	33	29
10	19	6	10	9	45	36	36	31	41	39	36	34
11*	5	19	19	28	36	37	40	40	36	38	40	38

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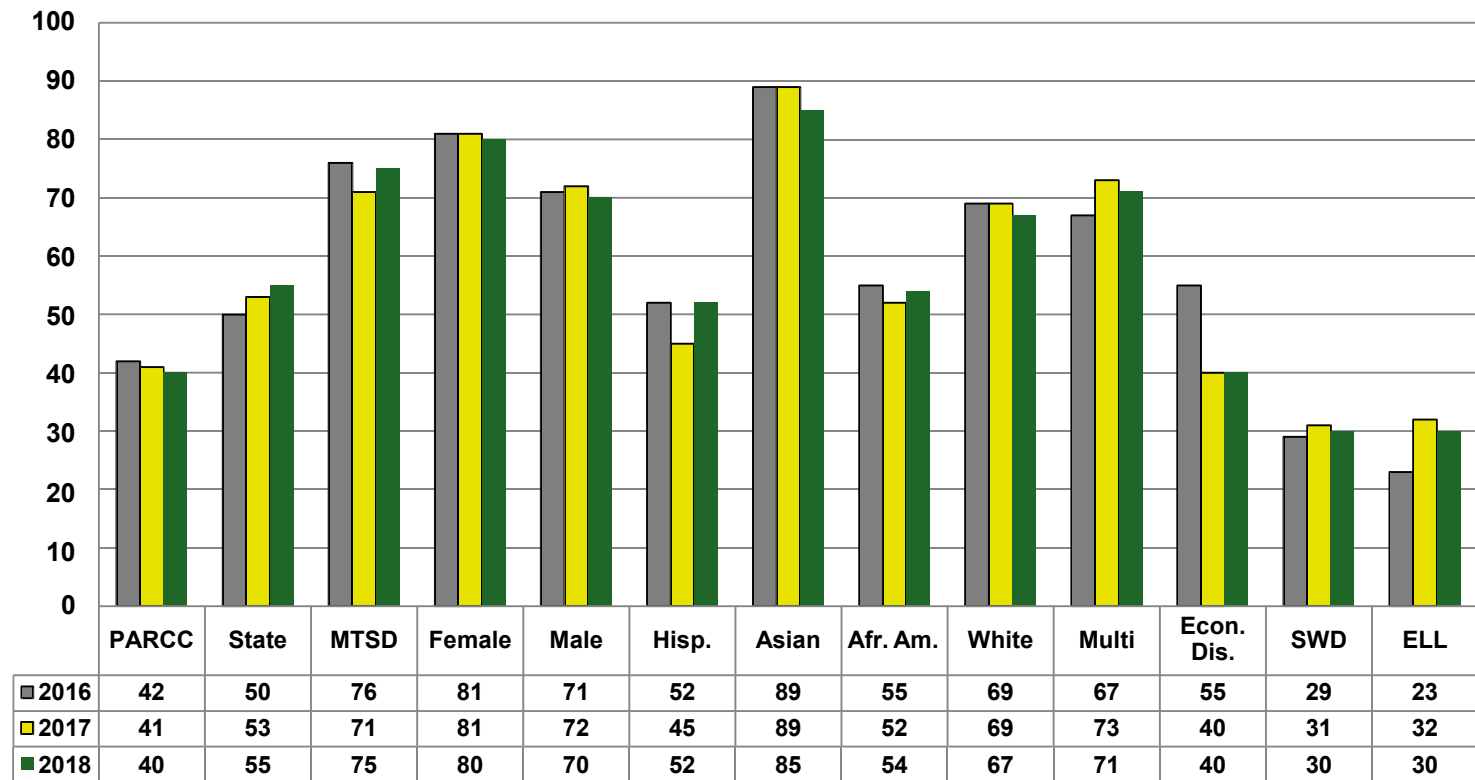
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Montgomery Township School District



English Language Arts/Literacy % Students Meeting/Exceeding Expectations Districtwide Spring 2016 - Spring 2018 PARCC Administrations Grades 3-11



Montgomery Township School District



Spring 2018 PARCC Administrations Mean & Median MTSD Mathematics

Assessment	Mean	Median
MATH 3	771	775
MATH 4	768	771
MATH 5	775	775
MATH 6	767	770
MATH 7	756	758
MATH 8	735	739
ALGEBRA I	781	781
GEOMETRY	764	766
ALGEBRA II	777	773

Montgomery Township School District



Mathematics % of Students Meeting and Exceeding Expectations Spring 2015 - Spring 2018 PARCC Administrations

Grade	Montgomery Township % >= Level 4				State % >= Level 4				PARCC % >= Level 4			
	2015	2016	2017	2018	2015	2016	2017	2018	2015	2016	2017	2018
3	71	79	78	74	45	52	53	53	38	44	43	43
4	70	75	78	74	41	47	47	49	32	37	36	38
5	72	78	77	80	41	47	46	49	32	38	35	37
6	70	67	77	74	41	43	44	44	32	34	32	32
7	57	54	55	67	37	38	40	43	29	31	29	33
8*	26	26	38	33	24	26	28	28	27	29	26	26
Algebra I	73	75	75	89	36	41	41	46	31	33	36	39
Geometry	62	71	75	71	22	27	30	30	27	27	32	28
Algebra II	66	69	72	75	24	25	27	29	21	23	26	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.

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Montgomery Township School District



Mathematics

% of Students Meeting and Exceeding Expectations Spring 2015 - Spring 2018 PARCC Administrations

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6	70	67	77	74	41	43	44	44	32	34	32	32
7	57	54	55	67	37	38	40	43	29	31	29	33
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Montgomery Township School District



Mathematics

% of Students Not Yet and Partially Meeting Expectations Spring 2015 - Spring 2018 PARCC Administrations

Grade	Montgomery Township % Level 1 & Level 2				State % Level 1 & Level 2				PARCC % Level 1 & Level 2			
	2015	2016	2017	2018	2015	2016	2017	2018	2015	2016	2017	2018
3	9	8	8	9	26	24	23	23	34	31	31	33
4	10	9	7	10	29	27	26	25	38	36	37	35
5	8	7	7	7	27	24	24	24	37	34	36	36
6	9	10	8	12	29	28	29	28	37	37	39	40
7	12	16	15	10	30	29	28	28	38	37	38	37
8*	35	42	29	31	48	47	44	45	48	47	50	51
Algebra I	10	7	6	4	39	34	34	30	41	41	39	36
Geometry	14	10	7	9	48	41	39	40	42	42	38	43
Algebra II	13	11	15	11	57	57	55	53	58	58	56	55

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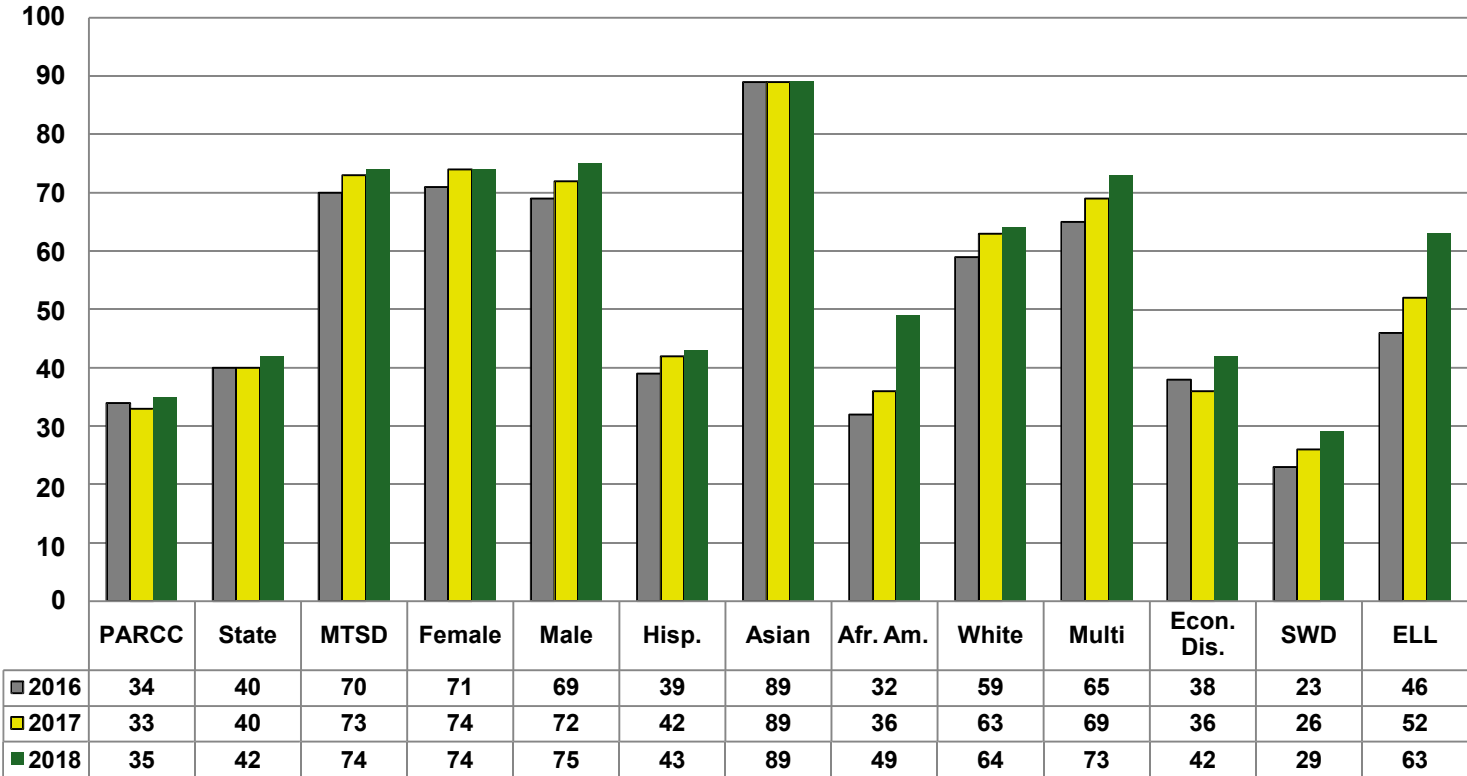
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Montgomery Township School District



Mathematics

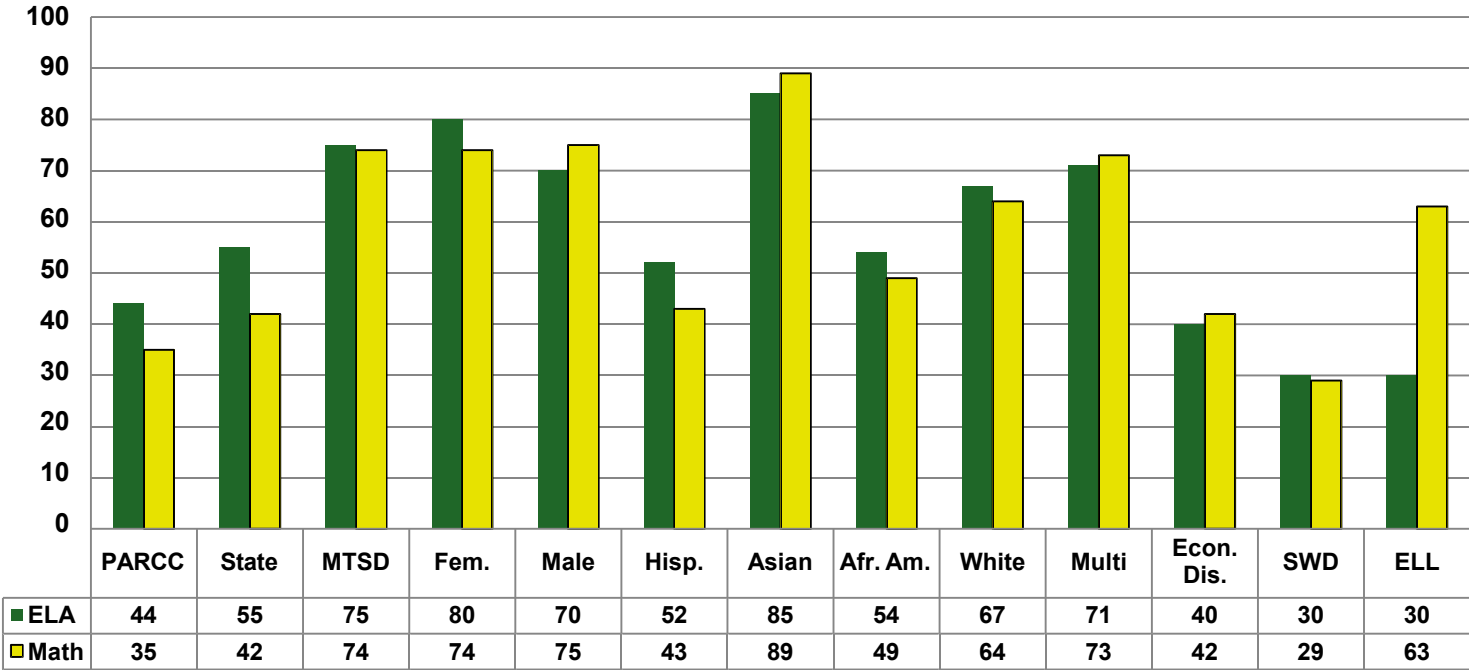
**% Students Meeting/Exceeding Expectations Districtwide
Spring 2016 - Spring 2018 PARCC Administrations Grades 3-11**



Montgomery Township School District



English Language Arts/Literacy & Mathematics 2018 Spring PARCC Administration % Students Meeting/Exceeding Expectations Districtwide Grades 3-11



Montgomery Township School District



District Focus

District and School Level Data: Math, ELA, reading and writing, and also by grade levels.

Disaggregate data, by subgroups.

Disaggregate data by categories (i.e., standards and sub-claims).

Item analysis.

Student-level analysis.

Montgomery Township School District



District Focus (cont.)

The MTSD Administrative Team along with administrative teams from Mercer County is participating in a series of workshops led by Collaborative Equity Solutions LLC. The workshops are guided by Temple University professor and author of *Solving Disproportionality and Achieving Equity*, Dr. Eddie Fergus.

The five full day sessions focus on topics such as enrollment in advanced placement and honors courses as well as academic intervention programs.

The intended outcomes of this collaborative work is to:

- 1) Develop leadership capacity to examine school practice and outcomes with an equity lens.
- 2) (Re)Develop Equity principles and goals.
- 3) Implement equity principles in one area of disparity.

Montgomery Township School District



Data Views (Genesis)

Math	Test Code	Level	Category 1	Category 2	Category 3	Category 4
779	MAT04	4	1	1	1	1
798	MAT04	5	1	1	1	1
777	MAT04	4	1	1	1	1
729	MAT04	3	3	2	3	2
755	MAT04	4	1	3	2	1
729	MAT04	3	2	2	3	3
786	MAT04	4	1	1	1	1
757	MAT04	4	1	2	1	1
719	MAT04	2	3	2	3	3
782	MAT04	4	1	1	1	1
795	MAT04	4	1	1	1	1
803	MAT04	5	1	1	1	1

Montgomery Township School District



Data Views (Genesis)

17-18 Level	17-18 Score	16-17 Level	16-17 Score	15-16 Level	15-16 Score	14-15 Level
4	777	4	781	4	754	4
4	779	4	760	4	758	2
4	760	4	770	5	790	4
4	773	4	754			4
4	766	4	779	4	753	3
3	727	4	760	3	749	3
4	761	4	784	4	756	4
3	749	4	763	3	747	4
4	771	4	788	4	762	4
5	797	5	799	5	787	4
3	740	4	754	3	731	3
4	761	4	789	4	761	4
5	841	5	850	5	839	5
4	760	3	745	3	737	1
5	826	5	805	5	807	5

Montgomery Township School District



Data Views (Performance Matters)

F	African American	No	No	Yes	824	Level 5
F	Asian	No	No	No	841	Level 5
F	Caucasian	No	No	No	805	Level 5
F	Asian	No	No	No	811	Level 5
F	Asian	No	No	No	803	Level 5
M	Caucasian	Yes	No	No	850	Level 5
M	Asian	No	No	No	760	Level 4
F	Asian	No	No	No		
M	Asian	No	No	No	785	Level 5
M	Asian	No	No	No	848	Level 5
M	Caucasian	No	No	No	754	Level 4
M	Asian	No	No	No	808	Level 5
F	Asian	Yes	No	No	751	Level 4
M	Asian	No	No	No	822	Level 5
F	Asian	No	No	No	831	Level 5
M	Asian	No	No	No	818	Level 5
M	Asian	No	No	No	769	Level 4
M	Caucasian	No	No	No	731	Level 3

Montgomery Township School District



NJDOE Proposed Amendments to High School Assessment Component and Graduation Assessment Requirements

Topic	Current Regulations	Amendments as of October 3, 2018
High School Assessment Component	<ul style="list-style-type: none"> • ELA 9, 10, 11 • Alg. I, Geometry, Alg. II <p><i>An advanced English course with an aligned assessment (IB or AP) may be substituted for the ELA 11 state assessment. Algebra II is not a required course for high school graduation, so every student would not take the Algebra II assessment.</i></p>	<ul style="list-style-type: none"> • ELA 9 and 10 • End-of-course math in 9th and 10th grade (Algebra I and Geometry or Geometry and Algebra II)
Graduation Assessment Requirements	<ul style="list-style-type: none"> • Take and pass: <ul style="list-style-type: none"> • ELA 10 • Algebra I 	<ul style="list-style-type: none"> • Take and pass: <ul style="list-style-type: none"> • ELA 10 • Algebra I
Alternative Graduation Assessment Pathways for students who do not pass ELA 10 and/or Algebra I	<ul style="list-style-type: none"> • Starting with the Class of 2021, the only alternative graduation assessment option: <ul style="list-style-type: none"> • Portfolio Appeals Process 	<ul style="list-style-type: none"> • Maintain the menu of graduation assessment options (currently afforded to the Class of 2020) that includes other end-of-course state assessments (e.g. Geometry and Algebra II) and assessments such as ACT, SAT, ASFAB, and ACCUPLACER • Portfolio Appeals Process
Access to the Menu of Graduation Assessment Options for students who take but do not pass ELA 10 and/or Algebra I	<ul style="list-style-type: none"> • Starting with the Class of 2020, a student must take all other applicable state assessments prior to being able to avail themselves of the menu of alternative competency assessments (Geometry, Algebra II, ELA 9 and 11) 	<ul style="list-style-type: none"> • A student must be remediated in and be offered the opportunity to retake ELA 10 and/or Algebra I (including during the summer)

Montgomery Township School District



2017-2018

NJSLSA-S

New Jersey Student Learning
Assessment for Science

Montgomery Township School District



New Jersey Student Learning Assessment for Science (NJSLA-S)

The NJSLA-S field test was administered to students in grades 5,8 & 11 during Spring 2018.

The New Jersey Department of Education (NJDOE) has informed school districts that no scores will be given on this field test.

Montgomery Township School District



2017-2018



Montgomery Township School District



Advanced Placement Courses 2017-2018

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

Montgomery Township School District



Advanced Placement 2018

Total Students: 504

Total Exams: 1,273

Montgomery Township School District



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 AP Students with Scores 4+

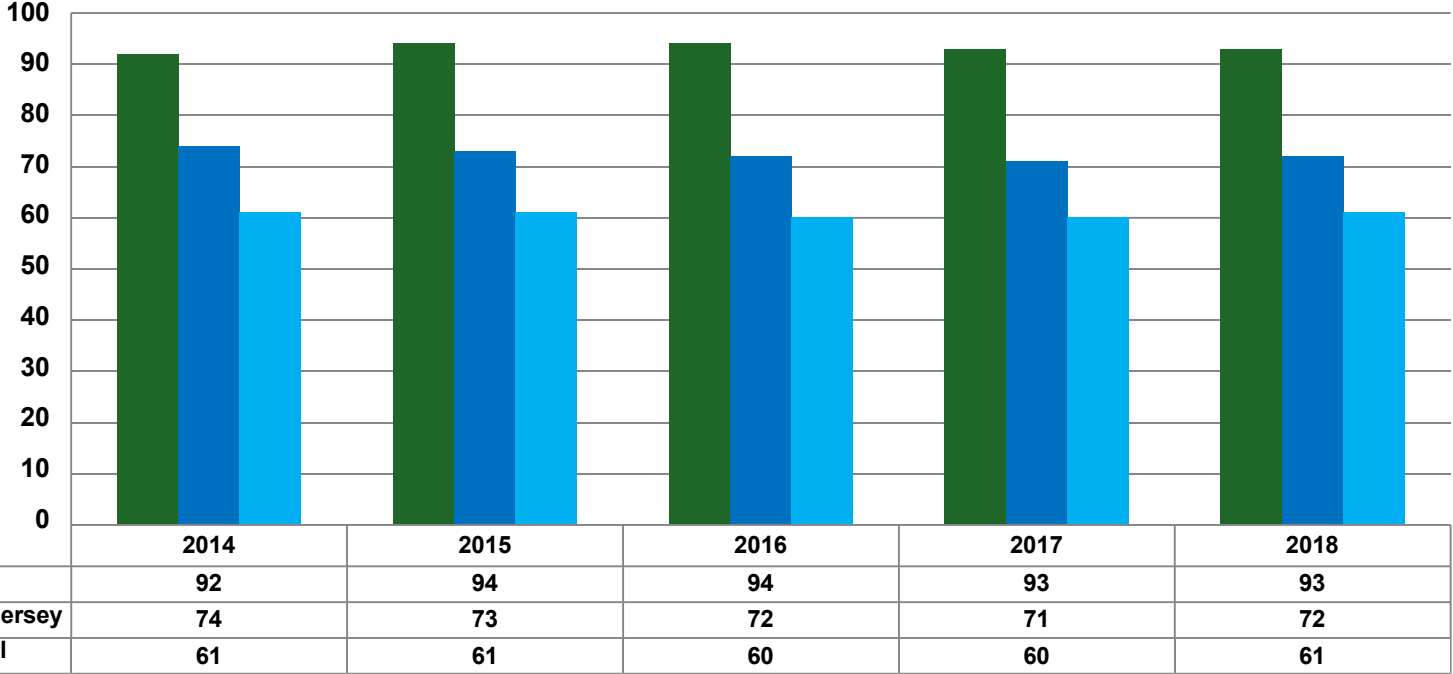
Many other schools generally are looking for students to obtain a score of 3 or higher when considering students for admission.

MHS= 93% of Total AP Students with Scores 3+

Montgomery Township School District



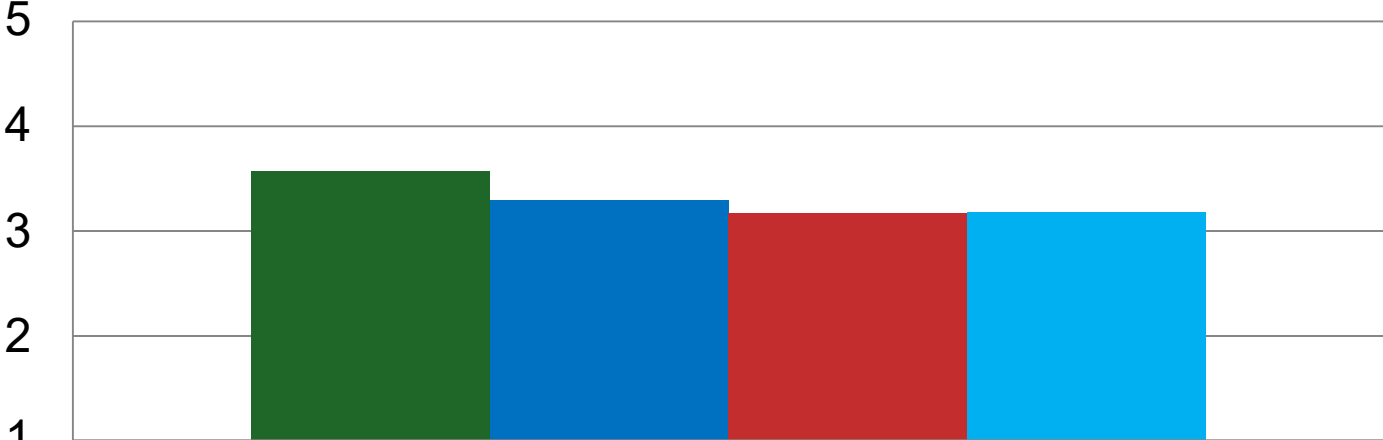
% of Total AP Students with Scores 3+ 2014-2018



Montgomery Township School District



2018 Advanced Placement Computer Science Mean Scores

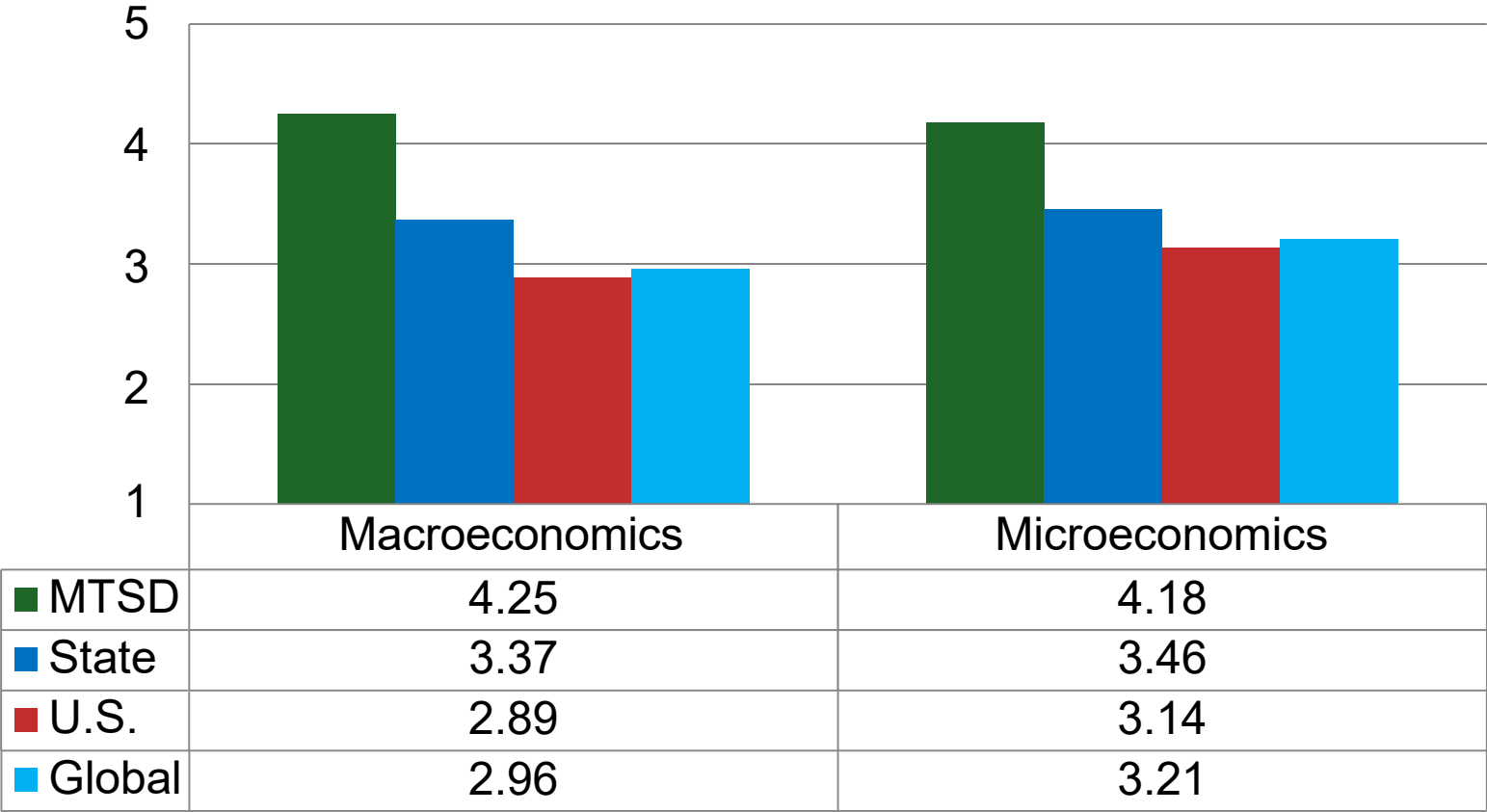


Computer Science	
■ MTSD	3.57
■ State	3.3
■ U.S.	3.17
■ Global	3.18

Montgomery Township School District



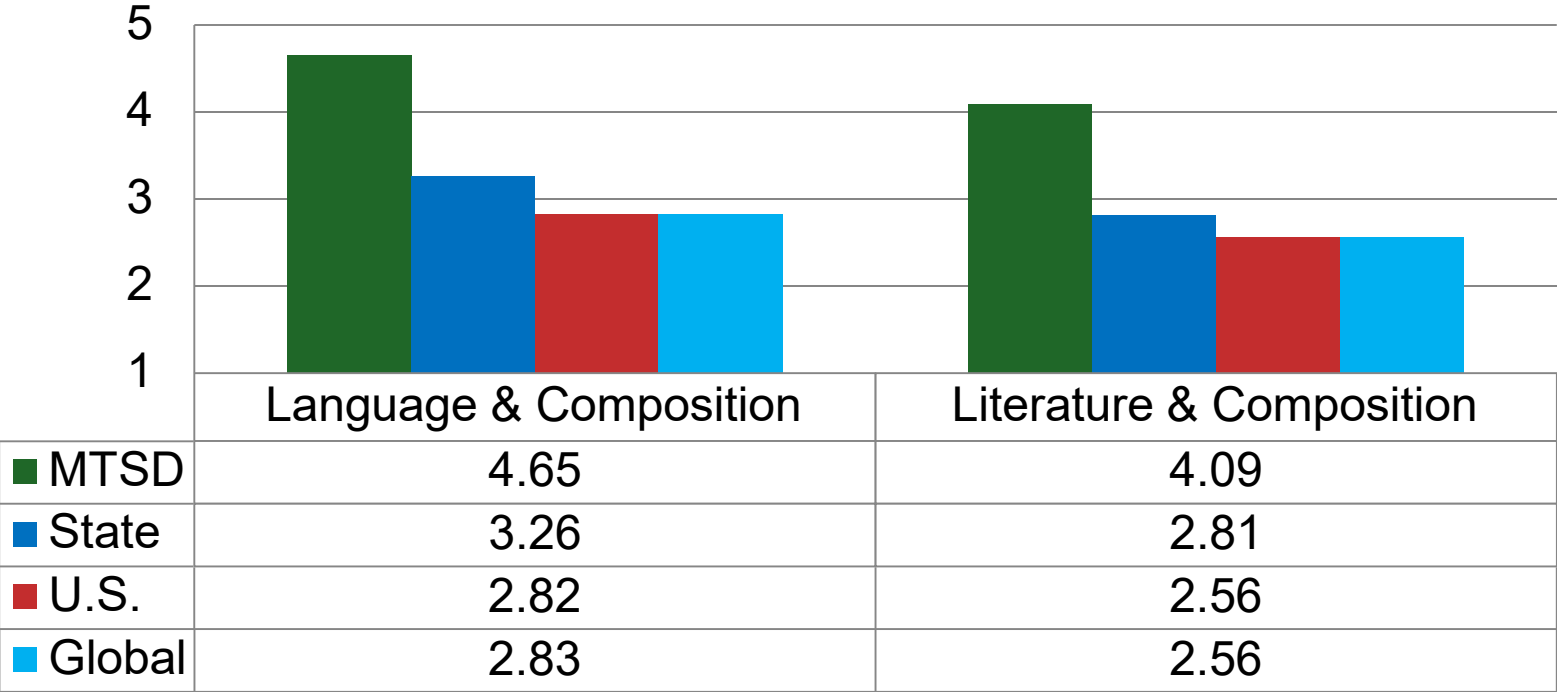
2018 Advanced Placement Economics Mean Scores



Montgomery Township School District



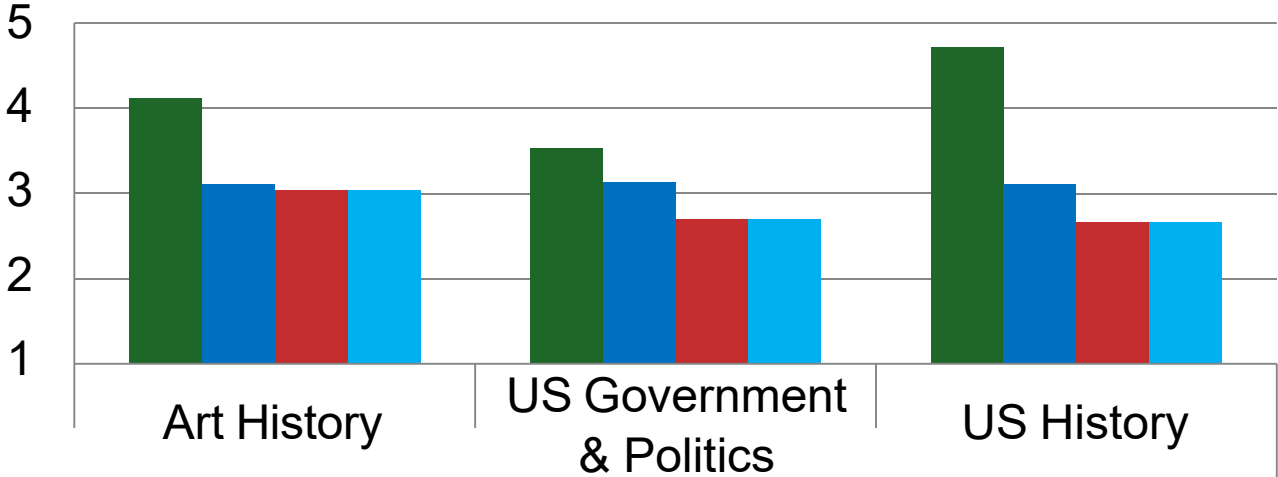
2018 Advanced Placement English Mean Scores



Montgomery Township School District



2018 Advanced Placement History Mean Scores

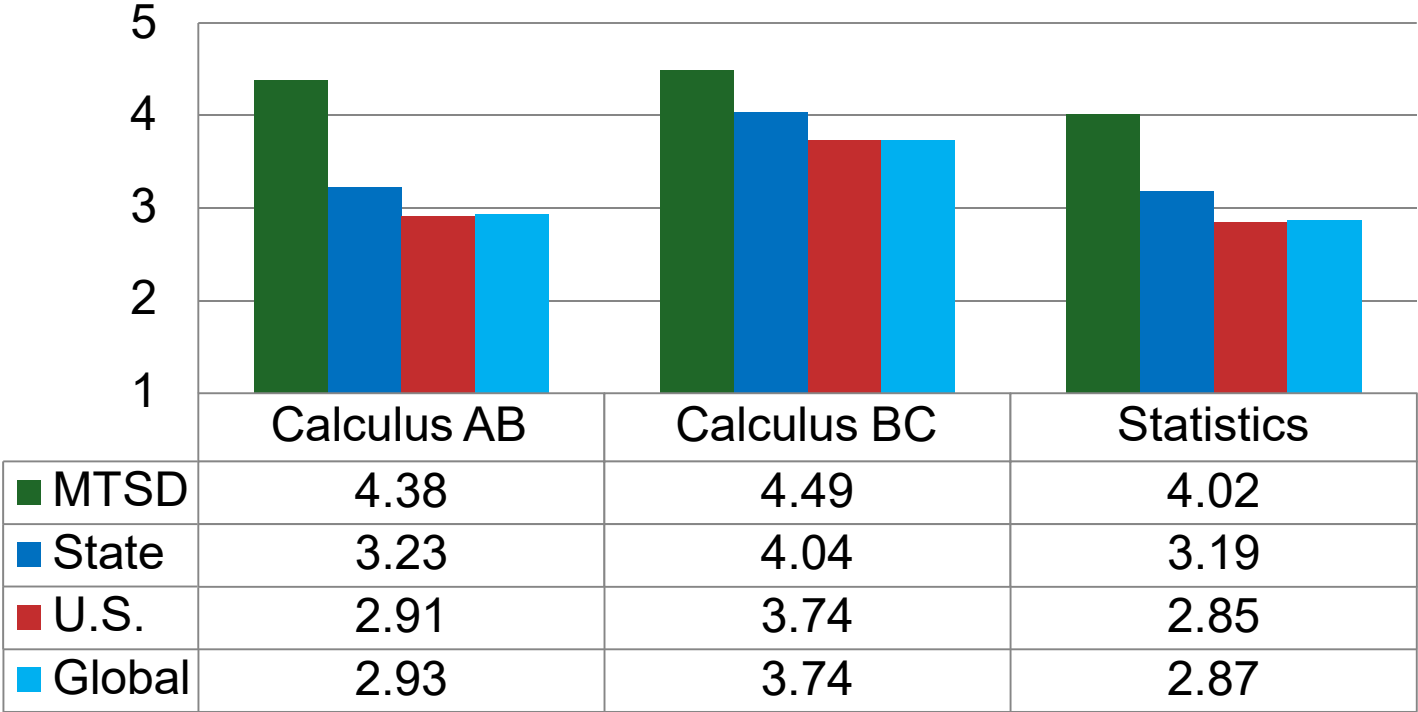


■ MTSD	4.12	3.53	4.71
■ State	3.11	3.13	3.11
■ U.S.	3.04	2.7	2.66
■ Global	3.04	2.7	2.66

Montgomery Township School District



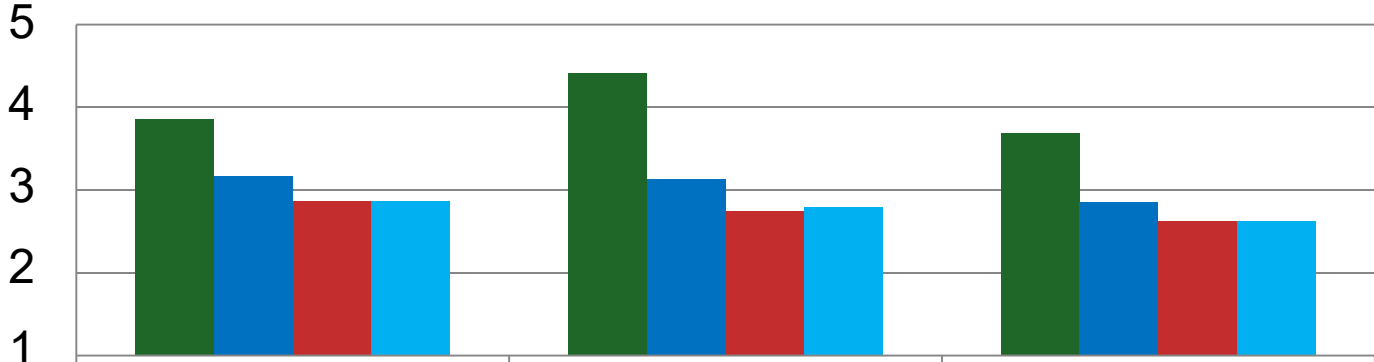
2018 Advanced Placement Mathematics Mean Scores



Montgomery Township School District



2018 Advanced Placement Science Mean Scores

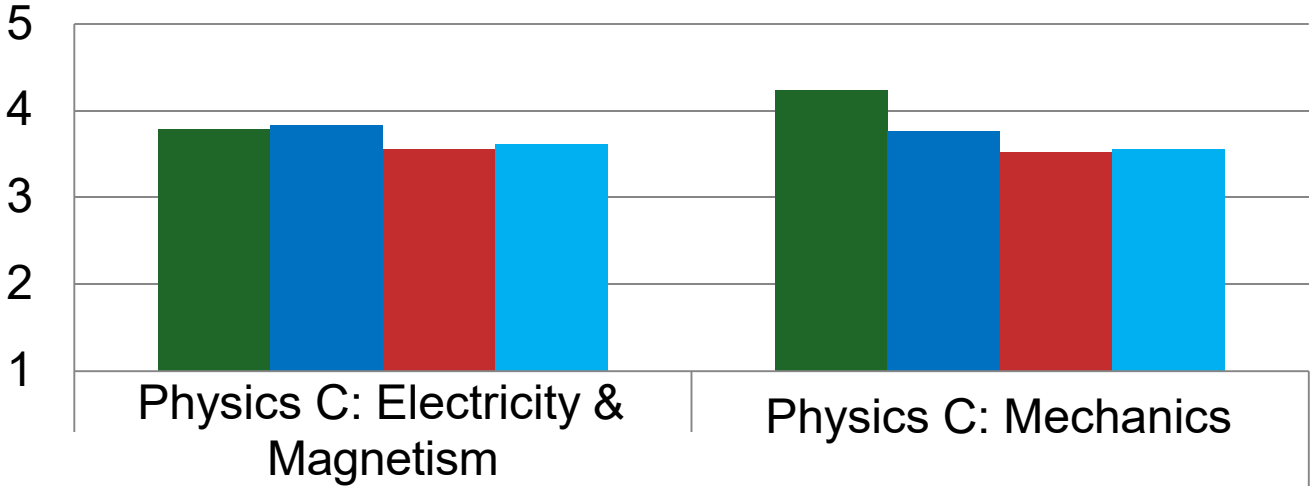


	Biology	Chemistry	Environmental Science
■ MTSD	3.86	4.41	3.69
■ State	3.17	3.13	2.85
■ U.S.	2.86	2.75	2.62
■ Global	2.87	2.79	2.63

Montgomery Township School District



2018 Advanced Placement Science Mean Scores (cont.)



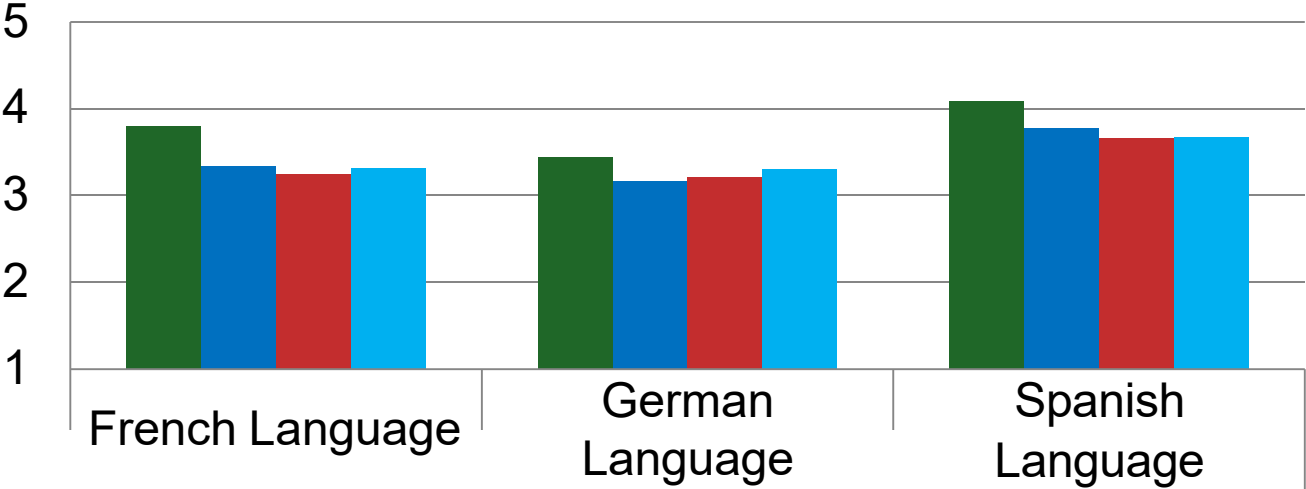
	Physics C: Electricity & Magnetism	Physics C: Mechanics
■ MTSD	3.79	4.24
■ State	3.83	3.76
■ U.S.	3.56	3.52
■ Global	3.61	3.55

	MHS Students	State Students	Global Students
E&M	42	1,427	25,102
Mechanics	54	2,966	57,586

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2018 Advanced Placement World Languages Mean Scores



■ MTSD	3.8	3.44	4.09
■ State	3.34	3.17	3.78
■ U.S.	3.24	3.21	3.66
■ Global	3.31	3.3	3.67

Montgomery Township School District



COLLEGE ENTRANCE EXAMS



Montgomery Township School District



COLLEGE ENTRANCE EXAMS

Comprehensive SAT and ACT data for the Graduating class of 2018 has not yet been provided to school districts.