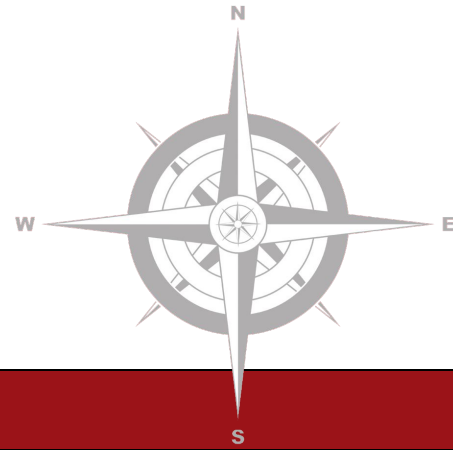


Wellesley Public Schools 2018 MCAS Results

School Committee Presentation
November 20, 2018

WELLESLEY PUBLIC SCHOOLS

Learning • Caring • Innovating



Presentation Overview

- Share data from Spring 2018 MCAS:
 - Accountability Results
 - Achievement Results
 - Like District Comparisons
 - Subgroup Results
 - Student Growth Percentiles
- Highlight key takeaways & next steps

2018 Accountability Results

Wellesley Public Schools: 2018 Overall Accountability Results

Organization Information	
DISTRICT NAME Wellesley (03170000)	TITLE I STATUS Title I District
REGION Coastal	GRADES SERVED PK,K,01,02,03,04,05,06,07,08,09,10,11,12

Accountability Information

Overall classification Not requiring assistance or intervention
--

Reason for classification Meeting targets

Progress toward improvement targets	Accountability percentile
87% - Meeting targets	-

Wellesley Public Schools: 2018 Overall Accountability Results

Overall results

Progress toward improvement targets													
Indicator		All students (Non-high school grades)			Lowest performing students (Non-high school grades)			All students (High school grades)			Lowest performing students (High school grades)		
		Points earned	Total possible points	Weight %	Points earned	Total possible points	Weight %	Points earned	Total possible points	Weight %	Points earned	Total possible points	Weight %
Achievement	English language arts achievement	4	4	-	4	4	-	4	4	-	4	4	-
	Mathematics achievement	4	4	-	4	4	-	4	4	-	3	4	-
	Science achievement	3	4	-	-	-	-	4	4	-	-	-	-
	Achievement total	11	12	60.0	8	8	67.5	12	12	47.5	7	8	67.5
Growth	English language arts growth	3	4	-	3	4	-	2	4	-	1	4	-
	Mathematics growth	3	4	-	3	4	-	4	4	-	4	4	-
	Growth total	6	8	20.0	6	8	22.5	6	8	22.5	5	8	22.5
High school completion	Four-year cohort graduation rate	-	-	-	-	-	-	3	4	-	-	-	-
	Extended engagement rate	-	-	-	-	-	-	3	4	-	-	-	-
	Annual dropout rate	-	-	-	-	-	-	3	4	-	-	-	-
	High school completion total	-	-	-	-	-	-	9	12	20.0	-	-	-
Progress toward attaining English language proficiency	English language proficiency total	4	4	10.0	-	-	-	-	-	-	-	-	-
Additional indicators	Chronic absenteeism	3	4	-	0	4	-	0	4	-	0	4	-
	Advanced coursework completion	-	-	-	-	-	-	3	4	-	-	-	-
	Additional indicators total	3	4	10.0	0	4	10.0	3	8	10.0	0	4	10.0
Weighted total		8.5	9.6	-	6.8	7.6	-	9.2	10.7	-	5.9	7.6	-
Percentage of possible points		89.0%			89.0%			86.0%			78.0%		
Percentage of possible points by gradespan		89%						82%					
		Weight of non-high school results: 70%						Weight of high school results: 30%					
Criterion-referenced target percentage		87%											
		Meeting targets											





Wellesley Public Schools: 2018 Subgroup Accountability Results

Subgroup	Grades 3-8	High School	Overall Target %	Meeting Targets
All	89	82	87	Yes
High Needs	94	55	82	Yes
Economically Disadvantaged	35	54	41	Partially
ELL	-	-	-	-
Students with Disabilities	79	53	71	Partially
Asian	99	90	96	Yes
African American/Black	-	-	-	-
Hispanic/Latino	-	-	-	-
Multi-Racial	-	-	-	-
White	95	86	92	Yes



2018 Accountability: District Comparisons

District	Accountability	% Overall Progress Towards Targets
Concord-Carlisle	Partially Meeting Targets	71%
Dover-Sherborn	Meeting Targets	90%
Lexington	Meeting Targets	95%
Lincoln-Sudbury	In Need to Focused/Targeted Support	55%
Natick	Partially Meeting Targets	66%
Needham	Meeting Targets	86%
Newton	Partially Meeting Targets	72%
Wayland	Meeting Targets	88%
Wellesley	Meeting Targets	87%
Weston	Meeting Targets	83%
Westwood	Meeting Targets	75%
Winchester	Meeting Targets	88%

-  Highest percentage among comparison group
-  Lowest percentage among comparison group

2018 Accountability: District Comparisons *All & High Needs*

District	All Target %	All Meeting Targets	High Needs Target %	High Needs Meeting Targets
Concord-Carlisle	71	Partially	61	Partially
Dover-Sherborn	90	Meeting	64	Partially
Lexington	95	Meeting	78	Meeting
Lincoln-Sudbury	55	Partially	37	Partially
Natick	66	Partially	53	Partially
Needham	86	Meeting	72	Partially
Newton	72	Partially	57	Partially
Wayland	88	Meeting	70	Partially
Wellesley	87	Meeting	82	Meeting
Weston	83	Meeting	88	Meeting
Westwood	75	Meeting	72	Partially
Winchester	88	Meeting	81	Meeting

 Highest percentage among comparison group
 Lowest percentage among comparison group

Key Takeaways: Accountability

Highlights:

- Meeting or Exceeding Targets in achievement for all subjects
- Meeting or Exceeding Targets for SGP in Mathematics
- Exceeding Targets for progress towards ELP
- Meeting Targets for High Needs Students (Grades 3-10)

Opportunities for Improvement:

- Data validation/correction for chronic absenteeism
- Further analysis and targeted assistance for Economically Disadvantaged Students (Grades 3-10)
- Further analysis and targeted assistance for High Needs, Economically Disadvantaged, & Students with Disabilities (Grades 9-12)



2018 Achievement Results

MCAS Achievement Levels: *Next-Generation*

- **Exceeding Expectations:** A student who performed at this level exceeded grade-level expectations by demonstrating mastery of the subject matter.
- **Meeting Expectations:** A student who performed at this level met grade-level expectations and is academically on track to succeed in the current grade in this subject.
- **Partially Meeting Expectations:** A student who performed at this level partially met grade-level expectations in this subject.
- **Not Meeting Expectations:** A student who performed at this level did not meet grade-level expectations in this subject.



Wellesley Public Schools: Spring 2018 ELA MCAS Results

Grade Level	% Meeting & Exceeding Expectations	% Partially Meeting Expectations	% Not Meeting Expectations
3	76	22	2
4	79	18	3
5	82	16	2
6	80	18	2
7	81	16	3
8	78	19	3

Grade Level	% A&P	NI	F
10	98	1	1

Wellesley Public Schools: Spring 2018 MATH MCAS Results

Grade Level	% Meeting & Exceeding Expectations	% Partially Meeting Expectations	% Not Meeting Expectations
3	76	21	3
4	68	26	6
5	72	24	3
6	74	22	3
7	80	18	1
8	77	19	4

Grade Level	% A&P	NI	F
10	96	2	1

MCAS Science and Technology/Engineering: Context & Timing

2018

- Overlap of old and new standards
- Computer-based in grades 5 & 8

2019

- Based on 2016 standards, grade 3-5 and 6-8
- Computer-based with new test design
- Performance standards will be set



Wellesley Public Schools: Spring 2018 Science & Technology/Engineering (Legacy)

Grade	% Advanced & Proficient	% Needs Improvement	% Warning
10 STE	93	5	2
9 - Physics	98	2	0
8	63	31	6
5	65	32	3

MCAS Science

2013-2018 Performance & Cohort Analysis

% Advanced & Proficient

Grade	2013	2014	2015	2016	2017	2018
9 & 10 STE	81	82	81	91	95	93
9P		98	93	96	96	98
8	55	59	72	70	63	63
5	55	69	59	70	62	65



- Class of 2020 (Current 11th grade) growth over time – 9th grade Physics + 10th grade Bio/Chem Results
- Class of 2021 (Current 10th grade) growth over time
- Class of 2022 (Current 9th grade) growth over time

Grade 5 are district results; Grades 8 & 10 are school results.

Like District Comparisons


MCAS 2018 District Comparisons Grade 10: % Advanced and Proficient


District	ELA	Math	STE
Concord-Carlisle	99	92	95
Dover-Sherborn	100	99	96
Lexington	98	97	95
Lincoln-Sudbury	98	94	91
Natick	97	91	92
Needham	98	93	92
Newton	97	93	90
Wayland	98	92	96
Wellesley	98	96	93
Weston	99	96	91
Westwood	98	96	94
Winchester	99	96	95

 Highest percentage among comparison group
 Lowest percentage among comparison group

MCAS 2018 District Comparisons Grades 3-5: % Meeting & Exceeding Expectations


District	Grade 3		Grade 4		Grade 5		
	ELA	Math	ELA	Math	ELA	Math	STE A&P
Concord	75	76	86	82	82	80	69
Dover	90	84	80	86	79	80	79
Lexington	75	75	77	77	81	80	74
Natick	65	66	64	54	63	67	72
Needham	82	67	69	61	72	66	66
Newton	67	71	69	67	76	70	69
Sudbury	62	78	75	82	84	74	76
Wayland	82	76	70	74	76	69	69
Wellesley	76	76	79	68	82	72	65
Weston	84	73	82	76	82	79	77
Westwood	76	70	82	78	87	76	80
Winchester	74	77	80	82	88	85	80


 Highest percentage among comparison group

 Lowest percentage among comparison group

MCAS 2018 District Comparisons Grades 6-8: % Meeting & Exceeding Expectations

District	Grade 6		Grade 7		Grade 8		
	ELA	Math	ELA	Math	ELA	Math	STE A&P
Concord	74	69	66	73	80	72	60
Dover	82	78	81	75	83	73	71
Lexington	82	79	80	87	85	90	72
Natick	71	67	52	60	67	72	52
Needham	79	79	77	80	85	81	66
Newton	70	71	64	73	74	76	51
Sudbury	70	71	73	66	76	69	60
Wayland	79	80	78	75	86	83	68
Wellesley	80	74	81	80	78	77	63
Weston	78	79	77	82	81	76	74
Westwood	77	69	65	64	65	71	59
Winchester	77	82	75	80	81	76	72



 Highest percentage among comparison group

 Lowest percentage among comparison group



MCAS 2018 District Comparisons Grade 10: % Advanced and Proficient

District	Grade 10		
	ELA	Math	STE
Concord-Carlisle	99	92	95
Dover-Sherborn	100	99	96
Lexington	98	97	95
Lincoln-Sudbury	98	94	91
Natick	97	91	92
Needham	98	93	92
Newton	97	93	90
Wayland	98	92	96
Wellesley	98	96	93
Weston	99	96	91
Westwood	98	96	94
Winchester	99	96	95

 Highest percentage among comparison group
 Lowest percentage among comparison group

Key Takeaways: Achievement

Highlights:

- Strong achievement results in ELA & Math in grades 3-10
- Strong achievement results in STE in grades 9 & 10
- Increase in cohort achievement over time in ELA, Math & STE
- WPS achievement results continue to be solid when compared to similar districts

Opportunities for Improvement:

- Results in STE across all levels continue to lag behind ELA & Math achievement
- Results in STE grade 5 lag behind when compared to similar districts



WPS Spring 2018 MCAS Subgroup Results

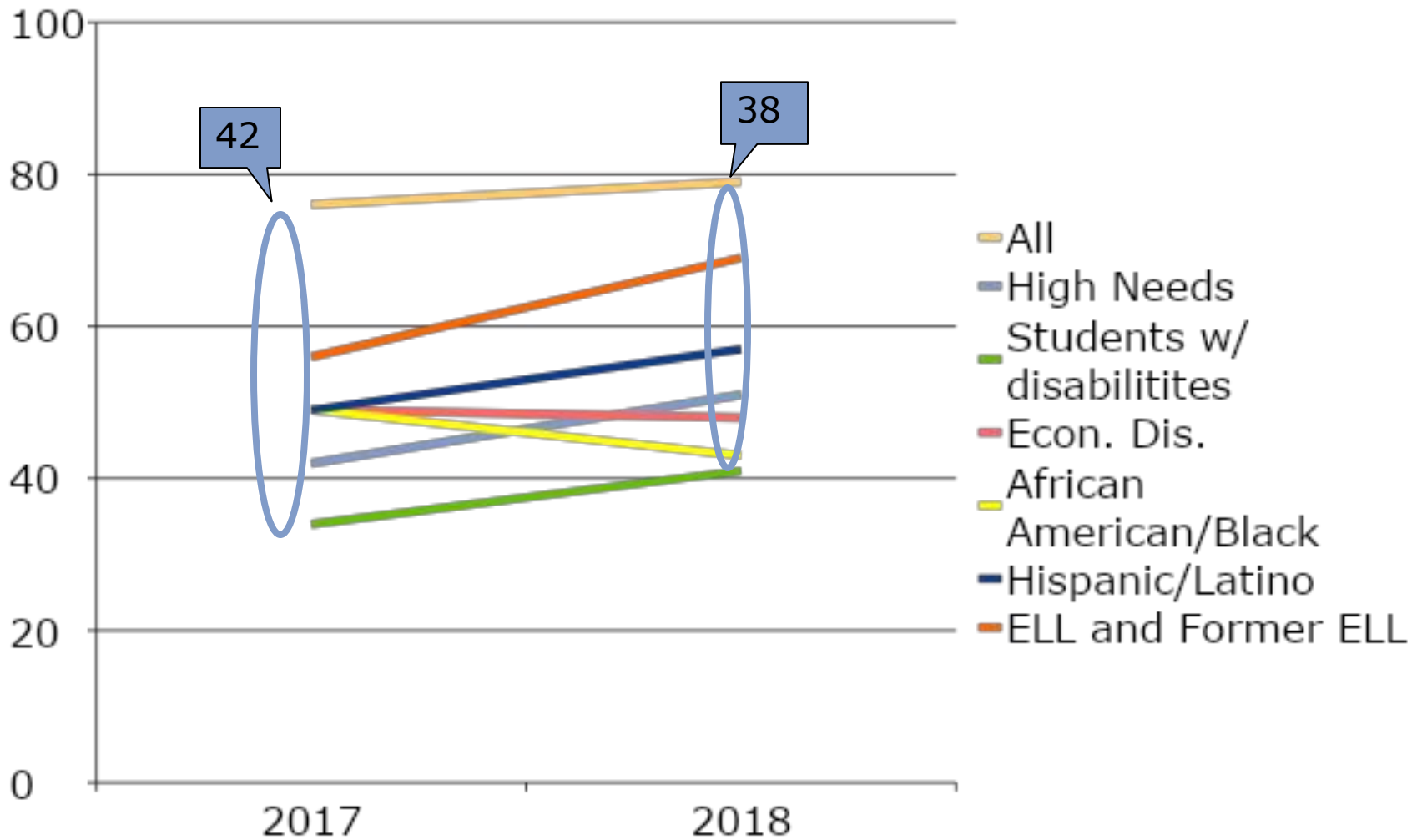
Wellesley Public Schools Grades 3-5: % Meeting & Exceeding Expectations MCAS 2018 ELA

Subgroup	Grade 3	Grade 4	Grade 5
All	76	79	82
High Needs	50	52	53
Students w/ disabilities	42	40	46
ELL and Former EL	50	78	71
Economically Disadvantaged	45	55	40
African American/Black	45	50	43
Hispanic/Latino	70	59	53

Wellesley Public Schools Grades 6-8 & 10: % Meeting & Exceeding Expectations % Advanced & Proficient MCAS 2018 ELA

Subgroup	Grade 6	Grade 7	Grade 8	Grade 10 % A&P
All	80	81	78	98
High Needs	51	48	50	92
Students w/ disabilities	38	42	36	91
ELL and Former EL	83	-	65	-
Economically Disadvantaged	48	39	61	96
African American/Black	47	-	38	90
Hispanic/Latino	53	47	59	100

WPS 2017-2018 MCAS ELA Grades 3-8: Achievement Gap



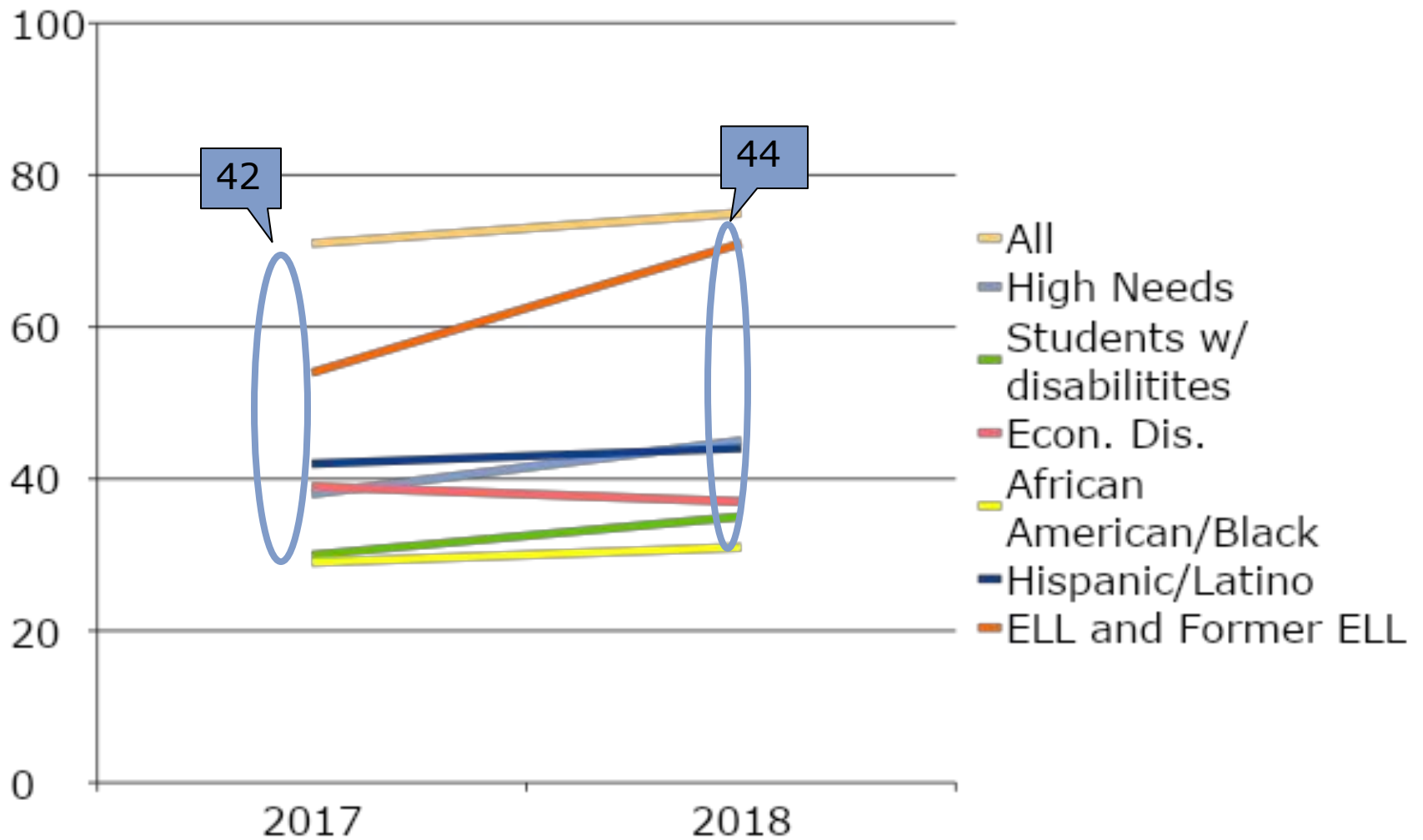
Wellesley Public Schools Grades 3-5: % Meeting & Exceeding Expectations MCAS 2018 Math

Subgroup	Grade 3	Grade 4	Grade 5
All	76	68	72
High Needs	47	38	48
Students w/ disabilities	40	27	42
ELL and Former ELL	59	63	71
Economically Disadvantaged	38	31	24
African American/Black	64	19	13
Hispanic/Latino	61	53	35

Wellesley Public Schools Grades 6-8 & 10: % Meeting & Exceeding Expectations % Advanced & Proficient MCAS 2018 Math

Subgroup	Grade 6	Grade 7	Grade 8	Grade 10 % A&P
All	74	80	77	96
High Needs	42	44	49	85
Students w/ disabilities	29	37	34	81
ELL and Former ELL	92	-	76	-
Economically Disadvantaged	32	45	55	85
African American/Black	40	-	38	71
Hispanic/Latino	35	50	35	89

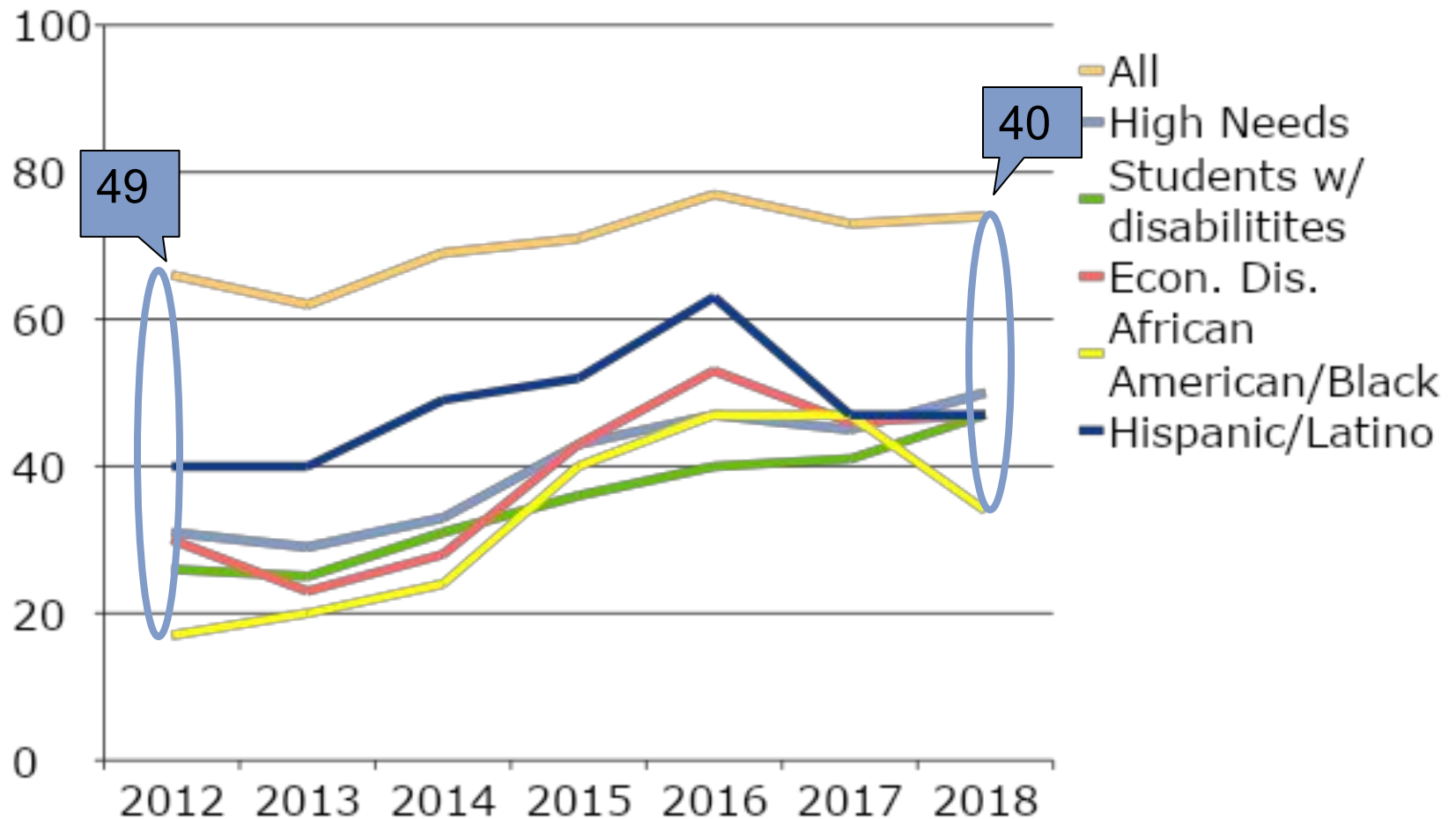
WPS 2017-2018 MCAS Math Grades 3-8 Achievement Gap



Wellesley Public Schools Grades 5, 8 & 10 % Advanced & Proficient MCAS 2018 Science

Subgroup	Grade 5	Grade 8	Grades 9/10
All	65	63	93
High Needs	41	39	72
Students w/ disabilities	40	34	66
ELL and Former ELL	43	44	-
Economically Disadvantaged	24	39	76
African American/Black	26	19	55
Hispanic/Latino	41	24	76

WPS 2012-2018 Science MCAS Achievement Gap



Key Takeaways: Subgroups

Cautions:

- Small cohort size within several subgroups

Highlights:

- ELL and Former ELL show marked improvement across most grades and subject areas
- Gaps narrow over time in Grades 3-10 across all subjects
- Slight narrowing of the gap in ELA in grades 3-8

Areas for Improvement:

- Persistent gaps exist for between “All” students and identified subgroups in grades 3-8
- Achievement gaps are wider in Math and STE
- Lowest performing subgroups need intentional focus and intervention



Student Growth Percentiles (SGPs)

2018 MCAS WPS Median SGP by Grade

Grade	ELA SGP	Math SGP
Grade 4	62.1	54.4
Grade 5	60	57.2
Grade 6	57.4	54.2
Grade 7	61.4	53.7
Grade 8	53.7	50.6
Grade 10	47.7	71.5

<19 th Percentile	Very Low Growth
20 th -40 th Percentile	Low Growth
41 st -59 th Percentile	Typical Growth
60 th -79 th Percentile	High Growth
>80 th Percentile	Very High Growth



WPS Grades 3-10 Mean ELA SGPs

Subgroup	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 10
All	62.1	60	57.4	61.4	53.7	47.7
High Needs	54.4	54	55.3	60.6	54	45.9
Students w/ disabilities	54.9	49.4	52.6	61.1	53.2	44.6
ELL and Former EL	-	-	-	-	-	-
Economically Disadvantaged	56.8	48.3	-	55.3	51.6	48.8
African American/Black	-	38.6	-	-	-	-
Hispanic/Latino	-	-	54.5	-	-	-



WPS Grades 3-10 Mean Math SGPs

Subgroup	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 10
All	54.4	57.2	54.2	53.7	50.6	71.5
High Needs	49.9	56.2	53.3	59.6	53	73.8
Students w/ disabilities	48.1	54.6	51	61.6	56.7	75
ELL and Former EL	-	-	-	-	-	-
Economically Disadvantaged	41	47.5	48.5	-	44.8	69.6
African American/Black	-	39.2	-	-	-	-
Hispanic/Latino	-	-	52.3	-	-	-



Key Takeaways: SGPs

Highlights:

- Pockets of strong SGPs across grades 4-10 in ELA & Math
- Overall All grades SGPs are >41%

Opportunities for Improvement:

- ELA & Math SGP for African American/Black Students □ Low Growth; requires additional analysis and targeted assistance
- Math SGP for Economically Disadvantaged is hovering near Low Growth
- Additional SGP focus and intervention needed for African American/Black students in both ELA & Math



Next Steps

- Continue to analyze our 2018 results:
 - District leadership teams
 - School based leadership teams
 - Grade Levels
 - Departments
- Complete alignment of STE curriculum in grades K-8
- Allocate resources to the achievement gaps:
 - Grades 3-8 Achievement Gap Task Force in Math
 - Math intervention work in Grades 3 - 10



Questions?

Parent Resources

www.doe.mass.edu/mcas/parents

- Parent Guide to the MCAS (available in several languages)
- Annotated Parent/Guardian Reports (PPT)
- Frequently Asked Questions (FAQs)
- What are the Achievement Level Descriptors?
- Item Descriptions for Grades 3-8 ELA and Mathematics
- Parent/guardian report templates and translations