Webster Public Schools
MCAS
Next Generation
Spring 2017

What is the Next-Generation MCAS?

- Updated version of the nearly 20-year-old MCAS assessment
- Focuses on students' **critical thinking abilities**, **application of knowledge**, and ability to make **connections between reading and writing**
- Gives a **clearer signal of readiness** for the next grade level or college and career pathway
- Designed to be given on a **computer** (paper still available)
- First given in **spring 2017** in grades 3-8 in ELA & Math
- Will eventually replace older version ("legacy") MCAS tests in grades 3-10

Achievement Levels

★ Legacy

Advanced
Demonstrates a comprehensive and in-depth understanding of rigorous subject matter, and provide sophisticated solutions to complex problems.

Proficient
Demonstrate a solid understanding of challenging subject matter and solve a wide variety of problems

Needs Improvement
Demonstrate a partial understanding of subject matter and solve some simple problems

Warning
Demonstrate a minimal understanding of subject matter and do not solve simple problems

★ Next-generation

Exceeding Expectations
Exceeds grade-level expectations by demonstrating mastery of subject matter.

Meeting Expectations
Meets grade-level expectations and is academically on track to succeed in the current grade in this subject.

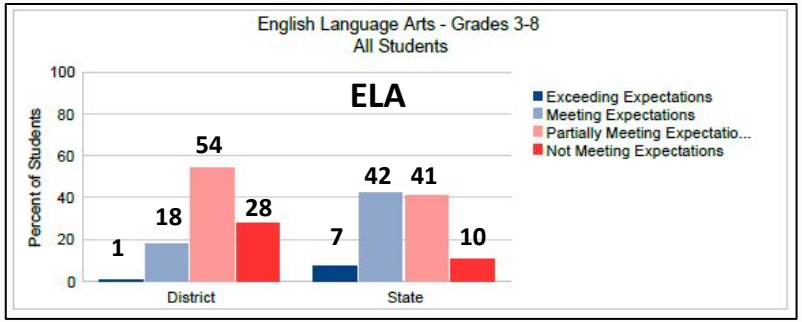
Partially Meeting Expectations
Partially meets grade-level expectations in this subject. The school, in consultation with the student's parent/guardian, should consider whether the student needs additional academic assistance to succeed in this subject.

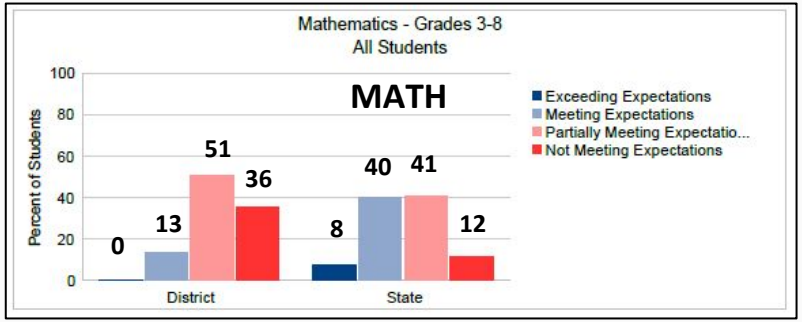
Not Meeting Expectations
Did not meet grade-level expectations in this subject. The school, in consultation with the student's parent/guardian, should determine the coordinated academic assistance to succeed in this subject.

District Level ELA and Math Results

English Language Arts	N Included	% District	% State
Exceeding Expectations	7	1	7
Meeting Expectations	159	18	42
Partially Meeting Expectations	489	54	41
Not Meeting Expectations	250	28	10
Total Included	905		

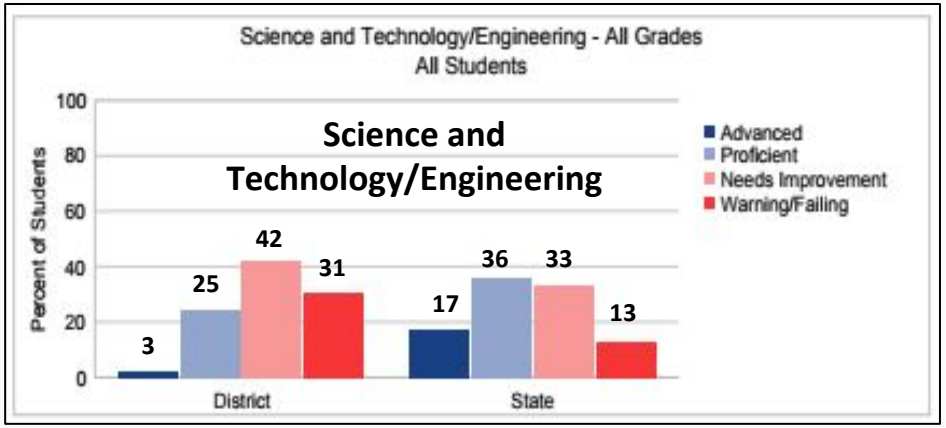
Mathematics	N Included	% District	% State
Exceeding Expectations	2	0	8
Meeting Expectations	121	13	40
Partially Meeting Expectations	461	51	41
Not Meeting Expectations	323	36	12
Total Included	907		





District Level Science and Technology/Engineering Results

Science and Technology/ Engineering	N Included	% District	% State
Advanced	10	3	17
Proficient	95	25	36
Needs Improvement	163	42	33
Warning/Failing	119	31	13
Total Included	387		

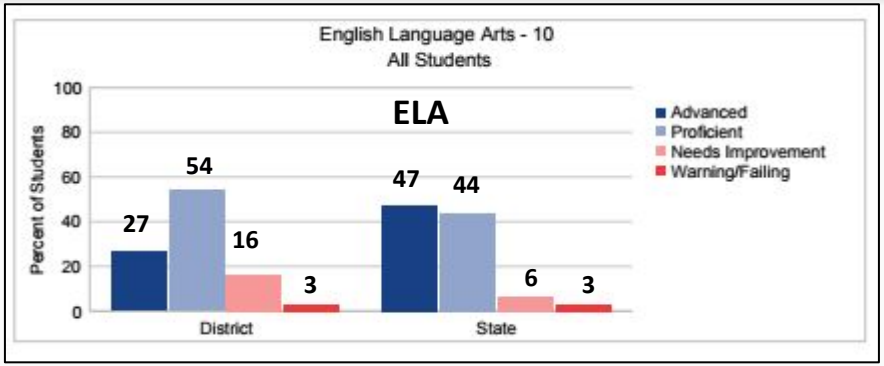


Bartlett High School

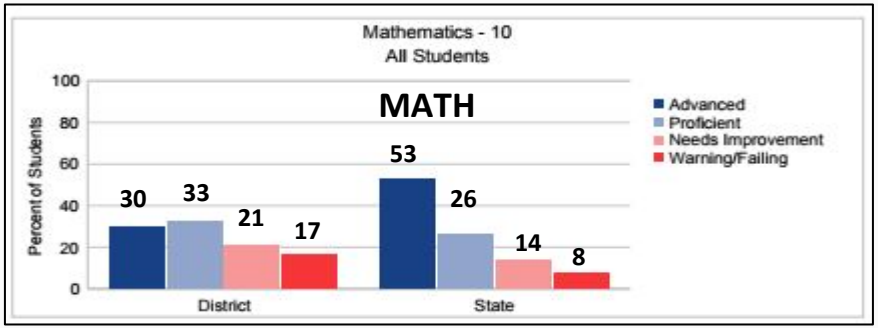
Grade 10

Grade 10 ELA and Math Results

English Language Arts	N Included	% District	% State
Advanced	33	27	47
Proficient	67	54	44
Needs Improvement	20	16	6
Warning/Failing	4	3	3
Total Included	124		

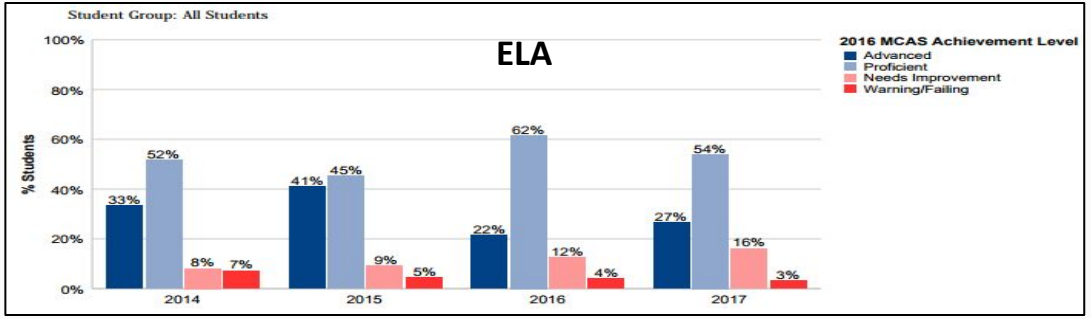


Mathematics	N Included	% District	% State
Advanced	37	30	53
Proficient	41	33	26
Needs Improvement	26	21	14
Warning/Failing	21	17	8
Total Included	125		

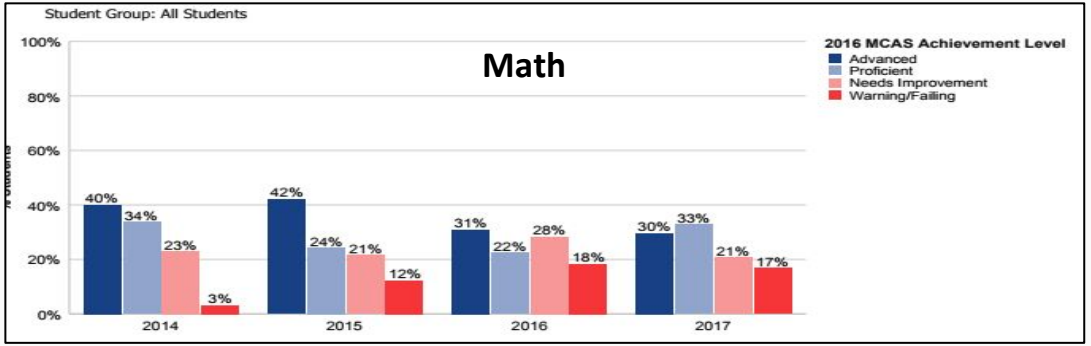


Grade 10 Achievement Distribution by Year ELA and Math

	2014		2015		2016		2017	
	District	State	District	State	District	State	District	State
CPI	92.4	96.0	92.7	96.7	93.1	96.7	92.5	96.5
Advanced	33%	41%	41%	49%	22%	47%	27%	47%
Proficient	52%	48%	45%	42%	62%	45%	54%	44%
Needs Improvement	8%	8%	9%	6%	12%	6%	16%	6%
Warning/Failing	7%	3%	5%	3%	4%	3%	3%	3%
N Students	99	70,465	110	69,751	120	69,937	124	70,268
Median SGP	52.5	50.0	58.0	51.0	37.0	50.0	33.0	50.0

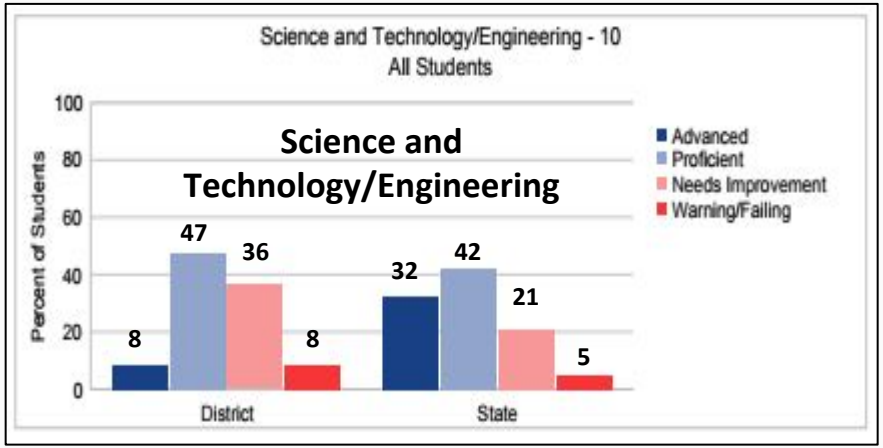


	2014		2015		2016		2017	
	District	State	District	State	District	State	District	State
CPI	89.7	90.0	82.5	89.9	76.5	89.7	79.6	89.9
Advanced	40%	53%	42%	53%	31%	54%	30%	53%
Proficient	34%	25%	24%	25%	22%	24%	33%	26%
Needs Improvement	23%	15%	21%	13%	28%	15%	21%	14%
Warning/Failing	3%	7%	12%	8%	18%	8%	17%	8%
N Students	95	70,607	107	69,766	120	69,954	125	70,340
Median SGP	62.0	50.0	71.0	50.0	55.0	50.0	44.5	50.0



Grade 10 Science and Technology/Engineering Results

Science and Technology/ Engineering	N Included	% District	% State
Advanced	9	8	32
Proficient	52	47	42
Needs Improvement	40	36	21
Warning/Failing	9	8	5
Total Included	110		



Bartlett High School's

CHALLENGES

- Subgroups in math and science
- Students failing multiple classes
- Vertical alignment of the curriculum
- Student attendance
- Time for teacher collaboration
- Tutoring for MCAS retests
- Preparing for Next Generation MCAS 2019

ACTIONS

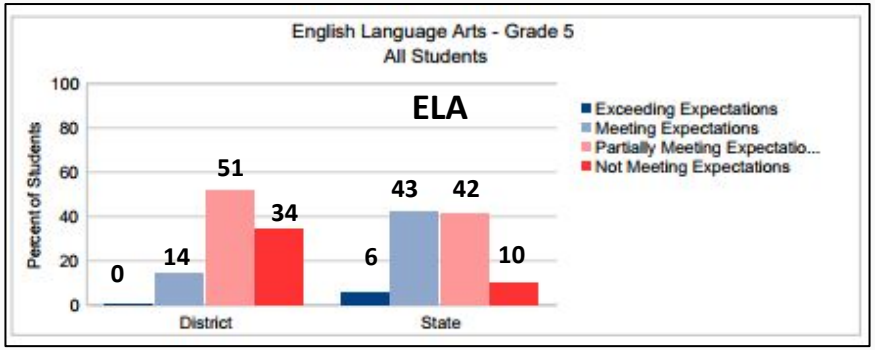
- Utilize effective instructional strategies
- Use Educator Evaluation System
- Identifying failing students - SARS
- Individual Success Plans
- Freshman Strong - Nichols Honors Academy
- Title I Academic Interventionist
- Title I - YOUniversity - Year 2
- Title I - Focus YOUniversity - Year 1
- Edgenuity MCAS tutorial course for Biology
- Keys to Literacy Argument and Content Writing PD
- Engaging All Students PD
- MCAS item analysis and action plans

Webster Middle School

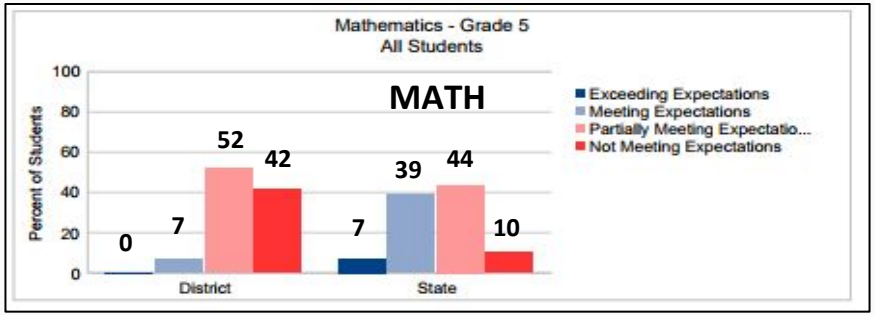
Grades 5 - 8

Grade 5 ELA and Math Results

English Language Arts	N Included	% District	% State
Exceeding Expectations	0	0	6
Meeting Expectations	19	14	43
Partially Meeting Expectations	69	51	42
Not Meeting Expectations	46	34	10
Total Included	134		

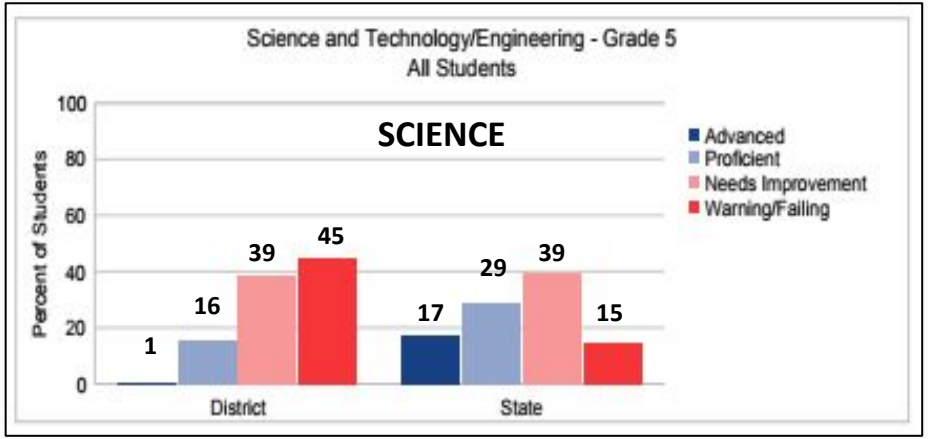


Mathematics	N Included	% District	% State
Exceeding Expectations	0	0	7
Meeting Expectations	9	7	39
Partially Meeting Expectations	71	52	44
Not Meeting Expectations	57	42	10
Total Included	137		



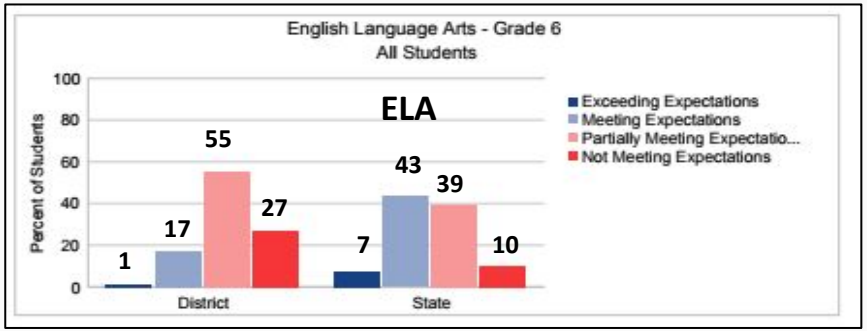
Grade 5 Science Results

Science and Technology/ Engineering	N Included	% District	% State
Advanced	1	1	17
Proficient	21	16	29
Needs Improvement	52	39	39
Warning/Failing	61	45	15
Total Included	135		

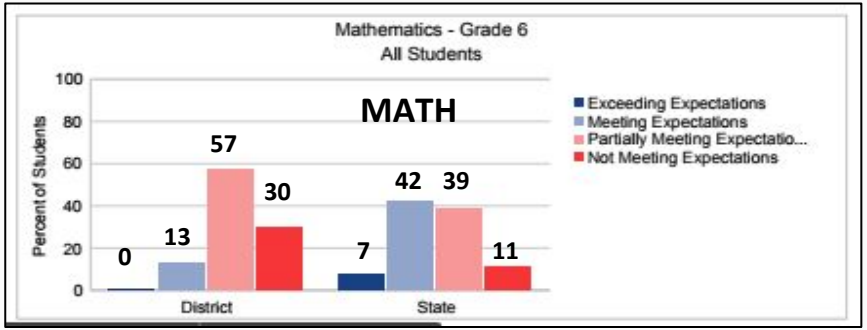


Grade 6 ELA and Math Results

English Language Arts	N Included	% District	% State
Exceeding Expectations	2	1	7
Meeting Expectations	26	17	43
Partially Meeting Expectations	85	55	39
Not Meeting Expectations	41	27	10
Total Included	154		

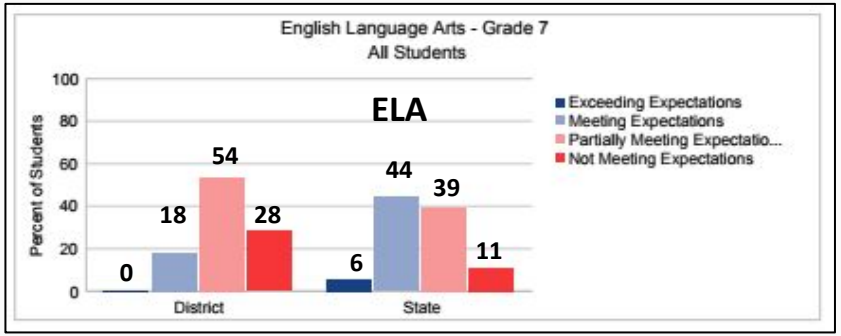


Mathematics	N Included	% District	% State
Exceeding Expectations	0	0	7
Meeting Expectations	20	13	42
Partially Meeting Expectations	87	57	39
Not Meeting Expectations	46	30	11
Total Included	153		

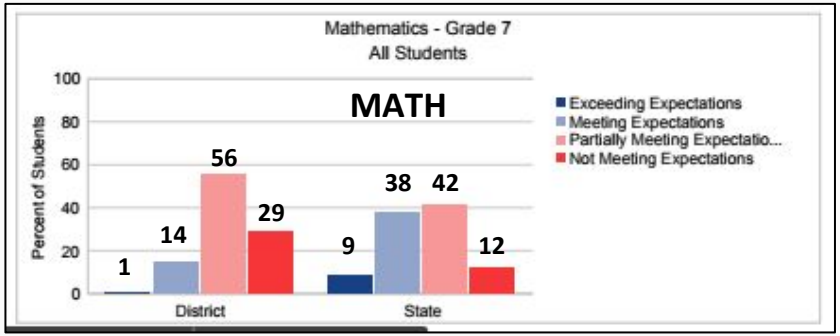


Grade 7 ELA and Math Results

English Language Arts	N Included	% District	% State
Exceeding Expectations	0	0	6
Meeting Expectations	28	18	44
Partially Meeting Expectations	83	54	39
Not Meeting Expectations	44	28	11
Total Included	155		

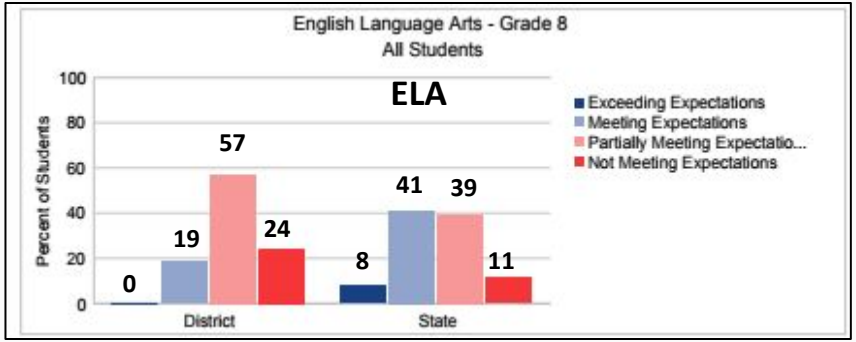


Mathematics	N Included	% District	% State
Exceeding Expectations	1	1	9
Meeting Expectations	22	14	38
Partially Meeting Expectations	86	56	42
Not Meeting Expectations	45	29	12
Total Included	154		

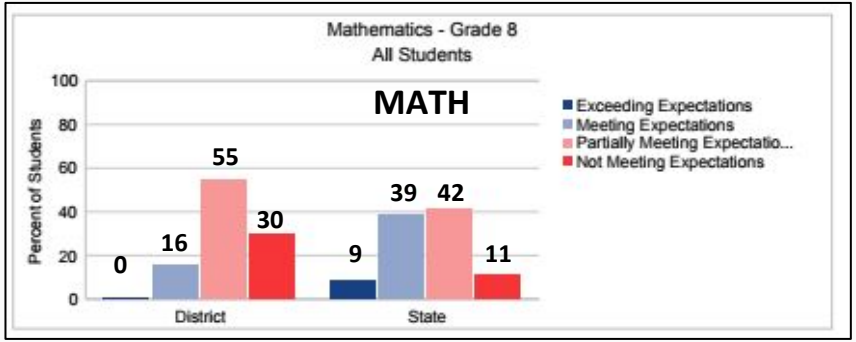


Grade 8 ELA and Math Results

English Language Arts	N Included	% District	% State
Exceeding Expectations	0	0	8
Meeting Expectations	26	19	41
Partially Meeting Expectations	80	57	39
Not Meeting Expectations	34	24	11
Total Included	140		

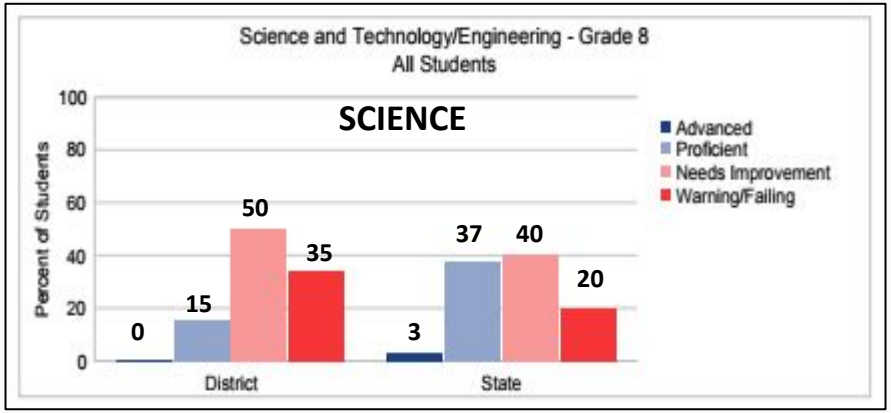


Mathematics	N Included	% District	% State
Exceeding Expectations	0	0	9
Meeting Expectations	22	16	39
Partially Meeting Expectations	77	55	42
Not Meeting Expectations	42	30	11
Total Included	141		



Grade 8 Science Results

Science and Technology/ Engineering	N Included	% District	% State
Advanced	0	0	3
Proficient	22	15	37
Needs Improvement	71	50	40
Warning/Failing	49	35	20
Total Included	142		



Webster Middle School's

CHALLENGES

- Weak foundational skills - reading, writing, and math
- Close achievement gaps in all subgroups
- Improve student attendance
- Ensure vertical alignment of curriculum
- Improvement of school climate and culture
- Development of a new middle school schedule that supports time on learning in all academic areas
- Provide access to more challenging courses

ACTIONS

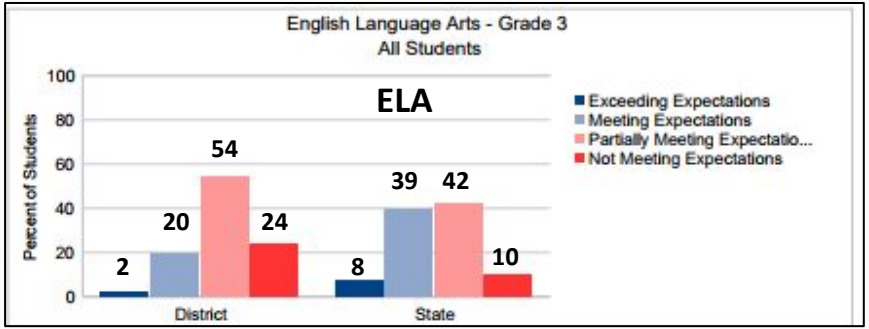
- Increase instructional time in core academics
- Utilize effective instructional strategies
- Use Educator Evaluation System
- Appointment of Grade Level Leaders
- Develop school and departmental action plans to address deficiencies
- Analyze grade-level / individual student MCAS data
- Participate in DSAC Turnaround process
- Utilize ELA and math interventionists
- Weekly after school assistance in each discipline
- Title I "Think Tank" available to all students
- Title I Academic Enrichment Days
- Looney Math Consulting Partnership

Park Avenue Elementary School

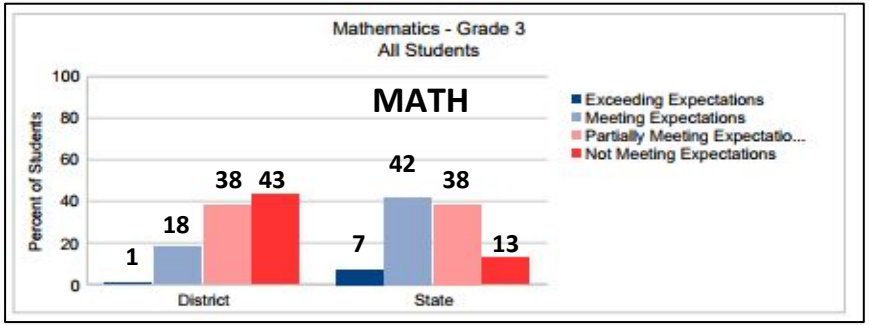
Grades 3 and 4

Grade 3 ELA and Math Results

English Language Arts	N Included	% District	% State
Exceeding Expectations	3	2	8
Meeting Expectations	32	20	39
Partially Meeting Expectations	87	54	42
Not Meeting Expectations	39	24	10
Total Included	161		

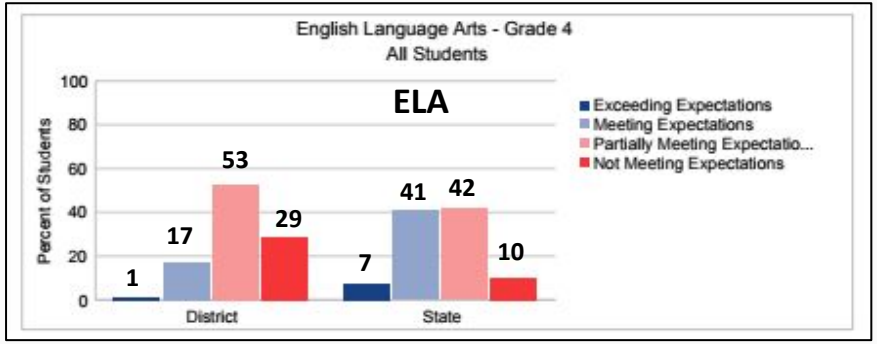


Mathematics	N Included	% District	% State
Exceeding Expectations	1	1	7
Meeting Expectations	29	18	42
Partially Meeting Expectations	61	38	38
Not Meeting Expectations	70	43	13
Total Included	161		

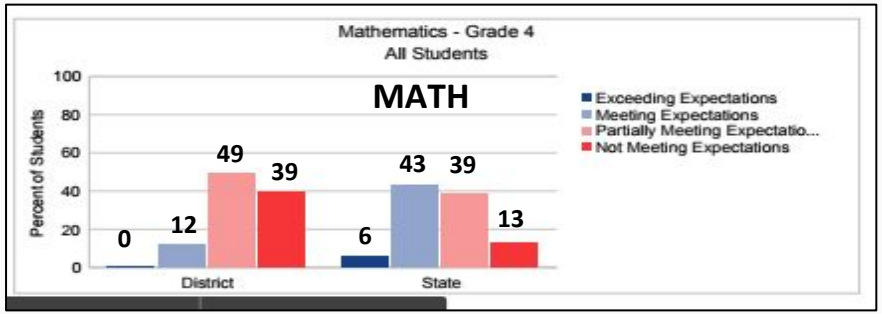


Grade 4 ELA and Math Results

English Language Arts	N Included	% District	% State
Exceeding Expectations	2	1	7
Meeting Expectations	28	17	41
Partially Meeting Expectations	85	53	42
Not Meeting Expectations	46	29	10
Total Included	161		



Mathematics	N Included	% District	% State
Exceeding Expectations	0	0	6
Meeting Expectations	19	12	43
Partially Meeting Expectations	79	49	39
Not Meeting Expectations	63	39	13
Total Included	161		



Park Avenue Elementary School's

CHALLENGES

- Unaligned Curriculum
- Lack of rigor
- Communication
- Staffing
- Accelerating Student Achievement
- Attendance

ACTIONS

- Apply for "Underperforming Schools" Grant
- Utilize effective instructional strategies
- Use Educator Evaluation System
- Time on Learning - Master Schedule
- Piloting New Core *Wonders* Reading
- Redesign Interventionist schedules
- Restructure staff positions
- Analyze data to inform instruction
- 21st Century PASS Program

Every student will achieve and together we can and we will make a difference in our students and community!