2019 DISTRICT ASSESSMENT & ACCOUNTABILITY REPORT



"Here's a list of 100,000 warehouses full of data. I'd like you to condense them down to one meaningful warehouse."

HISTORY OF ASSESSMENT & ACCOUNTABILITY

- ✓ 2002 No Child Left Behind: 100% of students will be proficient in both ELA and Math (Year 2015)
- <u>AYP Annual Yearly Progress:</u> (Approx. 2002-2006)
- ☑ <u>CPI Composite Performance Index:</u> Multiple Factors calculated into a percentage. (Approx. 2007-2010)
- SGP Student Growth Percentiles: 2011 baseline data points for ELA / Math for all schools (6-Year targets developed)
- ✓ <u>All Schools Baseline Data 2011</u>: The DESE set a six year target base on Student Growth Percentile to reach the 6-year target
- 2015 NCLB replaced by Every Student Succeeds Act: College
 & Career Readiness / 21st Century Learning (2017-2018)
- 2017 Next Generation MCAS new assessment

EVERY STUDENT SUCCEEDS ACT (ESSA) BRIEF OVERVIEW

THE BIPARTISAN BILL TO FIX NO CHILD LEFT BEHIND WILL HELP ENSURE OPPORTUNITY FOR ALL OF AMERICA'S STUDENTS:

- Holds <u>all</u> students to high academic standards
- Prepares <u>all</u> students for success in college and career
-) Provides more kids access to high-quality preschool
- Guarantees steps are taken to help students, and their schools, improve
- Reduces the burden of testing while maintaining annual information for parents and students
- Promotes local innovation and invests in what works

#LeadOnEducation

WHAT IS THE NEXT-GENERATION MCAS?

Vpdated 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

M Designed to be given on a **computer** (though paper versions remain available)

First given in **spring 2017** in grades 3-8 in English language arts and math

☑ Last spring 2019 the (legacy) MCAS test was replaced by the Next Generation MCAS exam in Grade 10.

SCORES WERE RELEASED THIS FALL FOR THE SPRING 2019 EXAMS

Mext-Generation MCAS:

• English language arts and math, grades 3-10

•Science, Technology and Engineering in grades 5 and 8 (Combo)

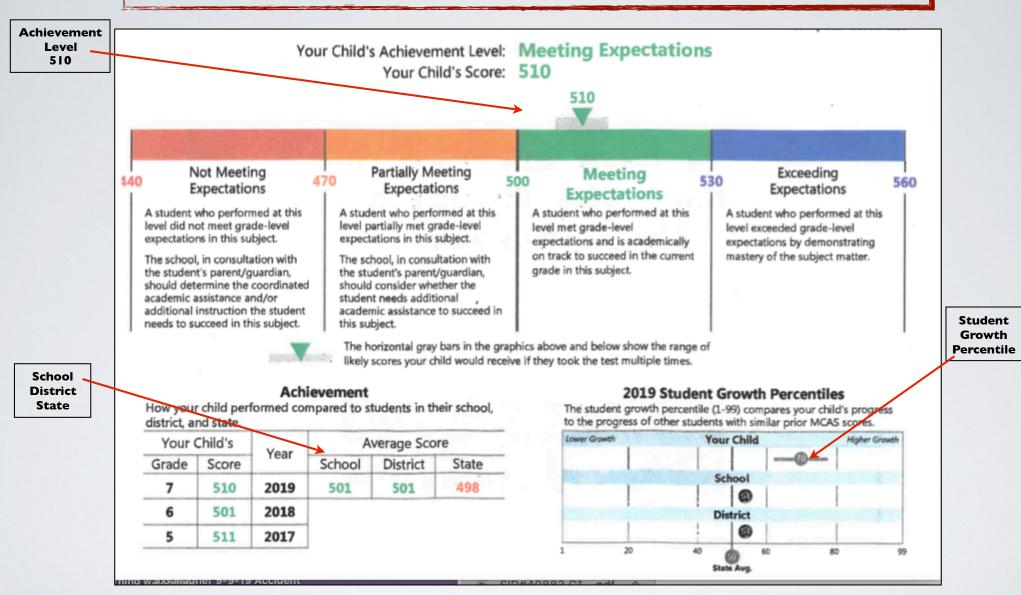
Field Tests (pilot) of Next Generation MCAS 2019:High School Biology & Introduction to Physics field testing

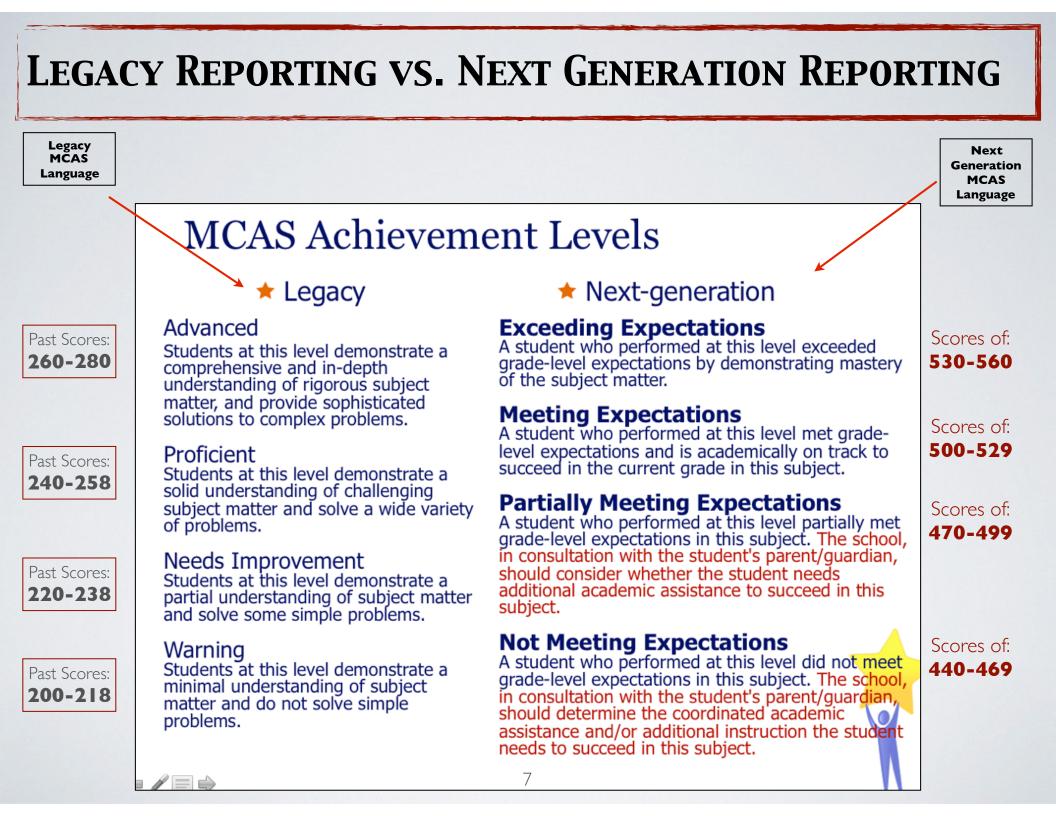
What will scores look like:

•Achievement levels Parent report

•Aggregate results for schools, districts, and the state

PARENT / GUARDIAN REPORT SAMPLE





STATEWIDE RESULTS FOR GRADES 3-8 ELA & MATH Next Generation MCAS (Average Scaled Score) English language arts and Mathematics - Grades 3-8 Not Meeting Partially Meeting Meeting Exceeding Expectations Expectations Expectations Expectations 500.5 98.4 \neg 470 500 440 530 560 English Language Arts - Grades 3 - 8 Mathematics - Grades 3 - 8 Achievement Level Achievement Level Math Students in MA ELA Students in MA 500.5 Score 498.4 Score

8

WHY DID MY CHILD SCORE PROFICIENT ON THE OLDER MCAS but Only Partially Meeting Expectations This Year?

☑ In general, the new standards for Meeting Expectations are **more rigorous** than the standards for reaching the Proficient level on the legacy MCAS

Massachusetts educators set the new standards to help signal students' readiness for the next grade level.

C Look closely at where your child's score falls within the Partially Meeting Expectations category. If it isn't close to Meeting Expectations, talk with your child's teacher about how you can work together to help your child catch up.

Spring 2017 was a **baseline year** for the new test in grades 3-8, and spring 2019 was the Next Generation test for high school students in grade 10 - scores **should not be compared** to previous years' scores (legacy) because they are different exams.

DESE – LOOKING BEYOND THE SCORES

Scores can identify areas where students need academic support, but scores can also reflect **non-academic barriers to learning**.

Model DESE and districts continue to work together to:

- •teach with poverty in mind
- •build cultural competency
- •address disproportionate and excessive student suspensions
- support homeless students
- •make schools safe for vulnerable students such as LGBTQ students, recent immigrants, and others.

NEW DESE ACCOUNTABILITY SYSTEM:

WHAT IS THE ACCOUNTABILITY SYSTEM?

What is an accountability system?

An accountability system measures school and district performance. It helps schools improve the performance of all students, and helps communities and the state decide how to allocate resources. Accountability results answer two questions: *How is the school doing?* and *What kind of support does the school need?*

What are some highlights of the system?

Indicators that provide more information about school performance and student opportunity:

- Achievement
- Student progress or growth
- High school completion
- Progress towards English proficiency for English learners
- Chronic absenteeism
- Advanced coursework completion

Information on each school's progress toward improvement targets and how it is doing compared to other schools across the state

An increased focus on raising the performance of each school's lowest performing students

How are schools classified?

Schools are placed into categories that describe how they are doing and what kind of support they may receive from the state.

NEW DESE ACCOUNTABILITY SYSTEM:

HOW ARE SCHOOL CLASSIFIED?

How are schools classified?

Schools are placed into categories that describe how they are doing and what kind of support they may receive from the state.

S c ho	ols not requiring a	ssistance or intervo	ention (about 85% of	(sch ools)		out 15% of schools)
Schools of recognition	Meeting or exceeding targets	Substantial progress toward targets	Moderate progress toward targets	Limited or no progress toward targets	Focused/ targeted support	Brond/ comprehensiv e support

What else should I know?

- * Detailed performance data are reported for all districts, schools, and subgroups.
- Accountability results are used to recognize schools that are demonstrating success in addition to identifying schools in need of support.
- * Massachusetts is committed to monitoring the system's effectiveness in providing clear and actionable information to districts, schools, parents, and the public.

NEW DESE ACCOUNTABILITY SYSTEM:

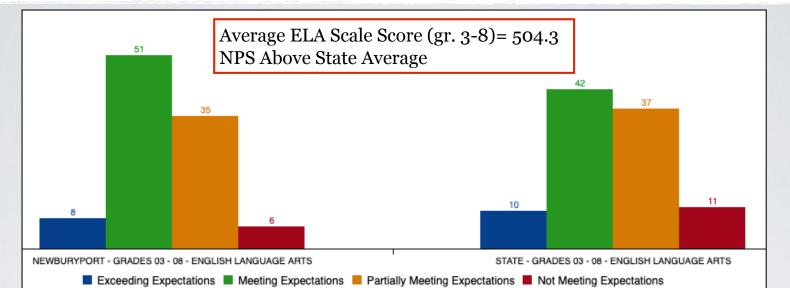
An accountability system measures school and district performance. It helps schools improve the performance of all students, and helps communities and the state decide how to allocate resources. Accountability results answer two questions: *How is the school doing?* and *What kind of support does the school need?*

	2018	2019
Bresnahan Elementary School	Focused Targeted Support	 99% Meeting or Exceeding Targets Not requiring assistance or intervention Meeting or Exceeding Targets
Molin Intermediate School	Partially Meeting Targets	 99% Substantial Progress Toward Targets Not requiring assistance or intervention Substantial progress toward targets
Nock Middle School	Partially Meeting Targets	 43% - Moderate progress toward targets Not requiring assistance or intervention Moderate progress toward targets
Newburyport High School	Meeting Targets	 72% Substantial progress toward target Not requiring assistance or intervention Substantial progress toward target
Overall District	Partially Meeting Targets	 59% Substantial Progress Toward Targets Not requiring assistance or intervention Substantial progress toward targets

DISTRICT MCAS ASSESSMENT BREAKDOWN SUMMARY

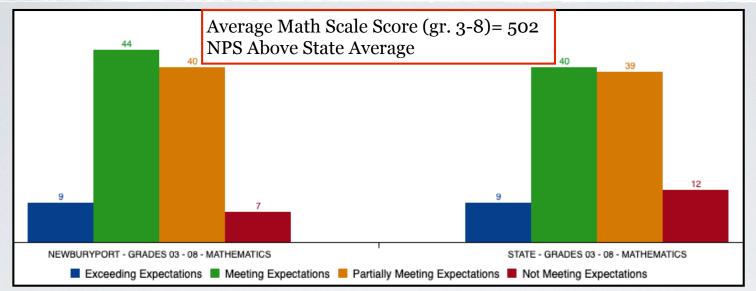


MCAS ASSESSMENT ELA GRADES 3-8 BREAKDOWN Next Generation MCAS Results Spring 2019



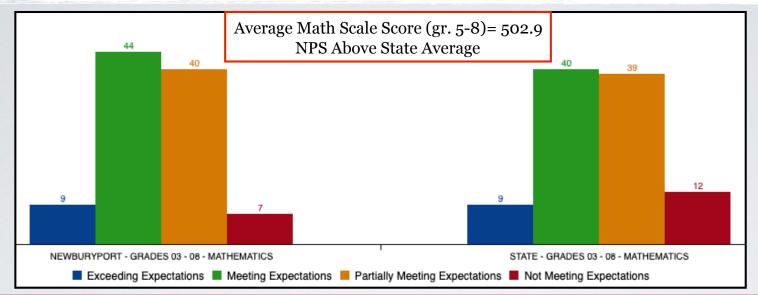
	Meeti Excee Expect	eding	Excee Expect		Mee Expect		Partially Expect		Not Meeting Expectations		No. of Students Included	
Grade and Subject	District	State	District	State	District	State	District	State	District	State	Included	Score
GRADE 03 - ENGLISH LANGUAGE ARTS	73	56	12	10	61	46	25	36	1	8	146	511.1
GRADE 03 - MATHEMATICS	68	49	12	9	55	40	31	38	1	13	146	510.7
GRADE 04 - ENGLISH LANGUAGE ARTS	64	52	7	9	56	43	31	39	5	9	140	506.1
GRADE 04 - MATHEMATICS	48	50	6	8	41	41	45	39	7	12	140	499.8
GRADE 05 - ENGLISH LANGUAGE ARTS	53	52	5	7	48	45	41	39	6	9	174	502.6
GRADE 05 - MATHEMATICS	44	48	5	6	40	43	45	42	11	10	174	498.0
GRADE 05 - SCIENCE	52	49	5	8	47	40	39	39	9	12	174	500.5
GRADE 06 - ENGLISH LANGUAGE ARTS	53	53	8	13	45	41	39	33	8	13	163	501.
GRADE 06 - MATHEMATICS	45	52	6	10	39	41	48	38	7	10	163	498.4
GRADE 07 - ENGLISH LANGUAGE ARTS	51	48	5	8	46	40	42	38	7	13	198	500.3
GRADE 07 - MATHEMATICS	54	48	9	11	45	37	38	39	8	13	198	500.
GRADE 08 - ENGLISH LANGUAGE ARTS	66	52	12	11	54	40	28	35	6	14	193	505.0
GRADE 08 - MATHEMATICS	58	46	14	10	44	37	36	41	5	12	192	504.
GRADE 08 - SCIENCE	61	46	10	8	51	38	34	41	5	13	192	505.0
GRADE 10 - ENGLISH LANGUAGE ARTS	83	61	24	13	59	48	14	31	4	8	212	517.9
GRADE 10 - MATHEMATICS	81	59	18	13	64	45	15	33	4	9	211	515.2
GRADES 03 - 08 - ENGLISH LANGUAGE ARTS	60	52	8	10	51	42	35	37	6	11	1,014	504.3
GRADES 03 - 08 - MATHEMATICS	53	49	9	9	44	40	40	39	7	12	1,013	502.0
GRADES 05 & 08 - SCIENCE	57	48	8	8	49	39	37	40	7	12	366	502.9

MCAS ASSESSMENT MATH GRADES 3-8 BREAKDOWN Next Generation MCAS Results Spring 2019



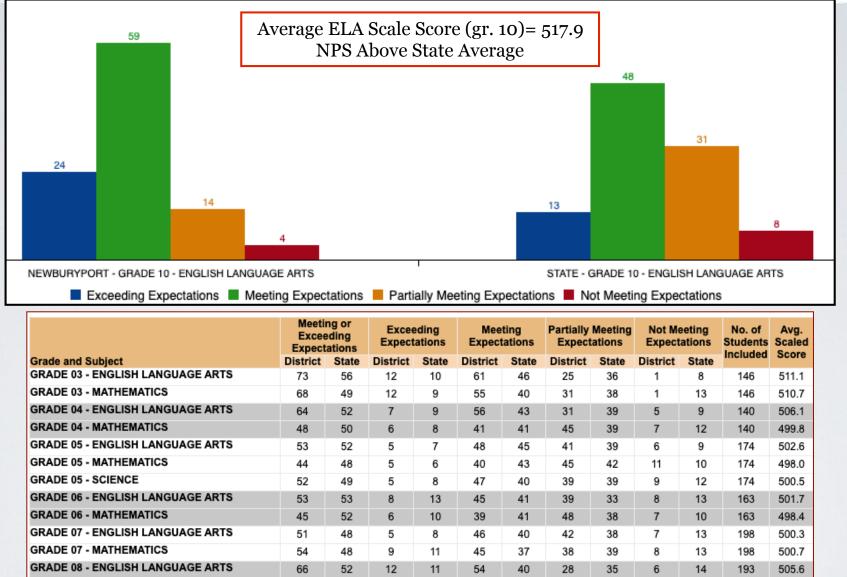
	Meeti Excee Expect	eding		Exceeding Expectations		ting ations	Partially Expect		Not Me Expect		No. of Students Included	
Grade and Subject	District	State	District	State	District	State	District	State	District	State	menudeu	30016
GRADE 03 - ENGLISH LANGUAGE ARTS	73	56	12	10	61	46	25	36	1	8	146	511.1
GRADE 03 - MATHEMATICS	68	49	12	9	55	40	31	38	1	13	146	510.7
GRADE 04 - ENGLISH LANGUAGE ARTS	64	52	7	9	56	43	31	39	5	9	140	506.1
GRADE 04 - MATHEMATICS	48	50	6	8	41	41	45	39	7	12	140	499.8
GRADE 05 - ENGLISH LANGUAGE ARTS	53	52	5	7	48	45	41	39	6	9	174	502.6
GRADE 05 - MATHEMATICS	44	48	5	6	40	43	45	42	11	10	174	498.0
GRADE 05 - SCIENCE	52	49	5	8	47	40	39	39	9	12	174	500.5
GRADE 06 - ENGLISH LANGUAGE ARTS	53	53	8	13	45	41	39	33	8	13	163	501.7
GRADE 06 - MATHEMATICS	45	52	6	10	39	41	48	38	7	10	163	498.4
GRADE 07 - ENGLISH LANGUAGE ARTS	51	48	5	8	46	40	42	38	7	13	198	500.3
GRADE 07 - MATHEMATICS	54	48	9	11	45	37	38	39	8	13	198	500.7
GRADE 08 - ENGLISH LANGUAGE ARTS	66	52	12	11	54	40	28	35	6	14	193	505.6
GRADE 08 - MATHEMATICS	58	46	14	10	44	37	36	41	5	12	192	504.9
GRADE 08 - SCIENCE	61	46	10	8	51	38	34	41	5	13	192	505.0
GRADE 10 - ENGLISH LANGUAGE ARTS	83	61	24	13	59	48	14	31	4	8	212	517.9
GRADE 10 - MATHEMATICS	81	59	18	13	64	45	15	33	4	9	211	515.2
GRADES 03 - 08 - ENGLISH LANGUAGE ARTS	60	52	8	10	51	42	35	37	6	11	1,014	504.3
GRADES 03 - 08 - MATHEMATICS	53	49	9	9	44	40	40	39	7	12	1,013	502.0
GRADES 05 & 08 - SCIENCE	57	48	8	8	49	39	37	40	7	12	366	502.9

MCAS ASSESSMENT SCIENCE GRADES 3-8 BREAKDOWN Next Generation MCAS Results Spring 2019



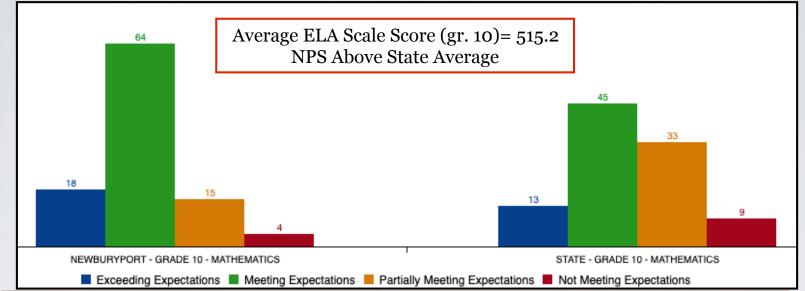
	Meeti Excee Expect	eding		Exceeding Expectations		ting ations	Partially Meeting Expectations		Not Meeting Expectations		No. of Students Included	
Grade and Subject	District	State	District	State	District	State	District	State	District	State	Included	Score
GRADE 03 - ENGLISH LANGUAGE ARTS	73	56	12	10	61	46	25	36	1	8	146	511.1
GRADE 03 - MATHEMATICS	68	49	12	9	55	40	31	38	1	13	146	510.7
GRADE 04 - ENGLISH LANGUAGE ARTS	64	52	7	9	56	43	31	39	5	9	140	506.1
GRADE 04 - MATHEMATICS	48	50	6	8	41	41	45	39	7	12	140	499.8
GRADE 05 - ENGLISH LANGUAGE ARTS	53	52	5	7	48	45	41	39	6	9	174	502.6
GRADE 05 - MATHEMATICS	44	48	5	6	40	43	45	42	11	10	174	498.0
GRADE 05 - SCIENCE	52	49	5	8	47	40	39	39	9	12	174	500.5
GRADE 06 - ENGLISH LANGUAGE ARTS	53	53	8	13	45	41	39	33	8	13	163	501.7
GRADE 06 - MATHEMATICS	45	52	6	10	39	41	48	38	7	10	163	498.4
GRADE 07 - ENGLISH LANGUAGE ARTS	51	48	5	8	46	40	42	38	7	13	198	500.3
GRADE 07 - MATHEMATICS	54	48	9	11	45	37	38	39	8	13	198	500.7
GRADE 08 - ENGLISH LANGUAGE ARTS	66	52	12	11	54	40	28	35	6	14	193	505.6
GRADE 08 - MATHEMATICS	58	46	14	10	44	37	36	41	5	12	192	504.9
GRADE 08 - SCIENCE	61	46	10	8	51	38	34	41	5	13	192	505.0
GRADE 10 - ENGLISH LANGUAGE ARTS	83	61	24	13	59	48	14	31	4	8	212	517.9
GRADE 10 - MATHEMATICS	81	59	18	13	64	45	15	33	4	9	211	515.2
GRADES 03 - 08 - ENGLISH LANGUAGE ARTS	60	52	8	10	51	42	35	37	6	11	1,014	504.3
GRADES 03 - 08 - MATHEMATICS	53	49	9	9	44	40	40	39	7	12	1,013	502.0
GRADES 05 & 08 - SCIENCE	57	48	8	8	49	39	37	40	7	12	366	502.9

MCAS ASSESSMENT ELA GRADE 10 BREAKDOWN Next Generation MCAS Results Spring 2019



GRADE 06 - MATHEMATICS	45	52	6	10	39	41	48	38	7	10	163	498.4
GRADE 07 - ENGLISH LANGUAGE ARTS	51	48	5	8	46	40	42	38	7	13	198	500.3
GRADE 07 - MATHEMATICS	54	48	9	11	45	37	38	39	8	13	198	500.7
GRADE 08 - ENGLISH LANGUAGE ARTS	66	52	12	11	54	40	28	35	6	14	193	505.6
GRADE 08 - MATHEMATICS	58	46	14	10	44	37	36	41	5	12	192	504.9
GRADE 08 - SCIENCE	61	46	10	8	51	38	34	41	5	13	192	505.0
GRADE 10 - ENGLISH LANGUAGE ARTS	83	61	24	13	59	48	14	31	4	8	212	517.9
GRADE 10 - MATHEMATICS	81	59	18	13	64	45	15	33	4	9	211	515.2
GRADES 03 - 08 - ENGLISH LANGUAGE ARTS	60	52	8	10	51	42	35	37	6	11	1,014	504.3
GRADES 03 - 08 - MATHEMATICS	53	49	9	9	44	40	40	39	7	12	1,013	502.0
GRADES 05 & 08 - SCIENCE	57	48	8	8	49	39	37	40	7	12	366	502.9

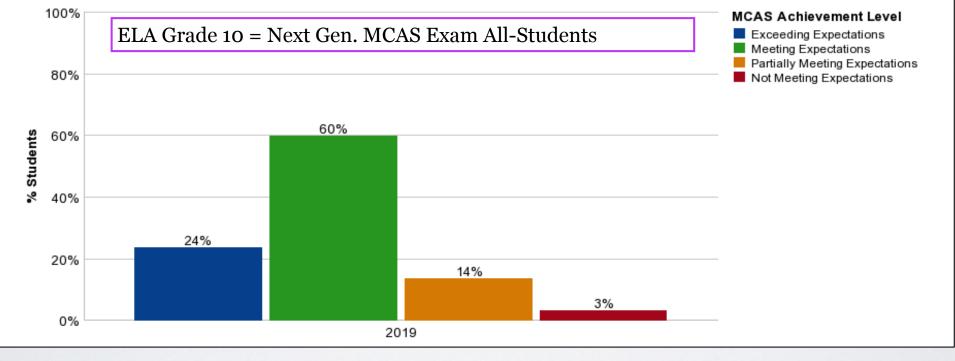
MCAS ASSESSMENT MATH GRADE 10 BREAKDOWN Next Generation MCAS Results Spring 2019

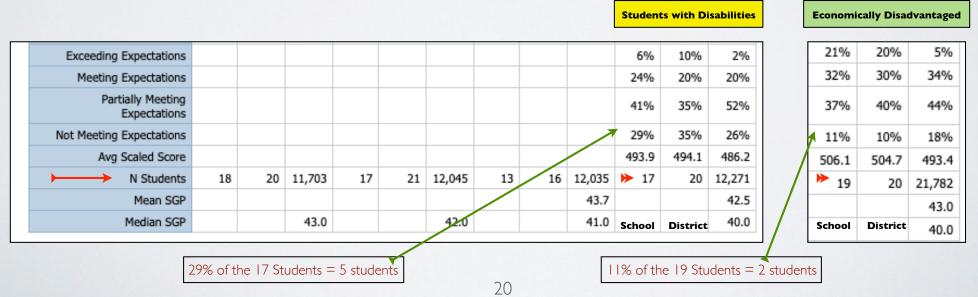


	Meeti Exce Expect	eding	Excee Expect			Meeting Expectations		Partially Meeting Expectations		eeting ations	No. of Students Included	
Grade and Subject	District	State	District	State	District	State	District	State	District	State	Included	Score
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GRADE 03 - MATHEMATICS	68	49	12	9	55	40	31	38	1	13	146	510.7
GRADE 04 - ENGLISH LANGUAGE ARTS	64	52	7	9	56	43	31	39	5	9	140	506.1
GRADE 04 - MATHEMATICS	48	50	6	8	41	41	45	39	7	12	140	499.8
GRADE 05 - ENGLISH LANGUAGE ARTS	53	52	5	7	48	45	41	39	6	9	174	502.6
GRADE 05 - MATHEMATICS	44	48	5	6	40	43	45	42	11	10	174	498.0
GRADE 05 - SCIENCE	52	49	5	8	47	40	39	39	9	12	174	500.5
GRADE 06 - ENGLISH LANGUAGE ARTS	53	53	8	13	45	41	39	33	8	13	163	501.7
GRADE 06 - MATHEMATICS	45	52	6	10	39	41	48	38	7	10	163	498.4
GRADE 07 - ENGLISH LANGUAGE ARTS	51	48	5	8	46	40	42	38	7	13	198	500.3
GRADE 07 - MATHEMATICS	54	48	9	11	45	37	38	39	8	13	198	500.7
GRADE 08 - ENGLISH LANGUAGE ARTS	66	52	12	11	54	40	28	35	6	14	193	505.6
GRADE 08 - MATHEMATICS	58	46	14	10	44	37	36	41	5	12	192	504.9
GRADE 08 - SCIENCE	61	46	10	8	51	38	34	41	5	13	192	505.0
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GRADES 05 & 08 - SCIENCE	57	48	8	8	49	39	37	40	7	12	366	502.9

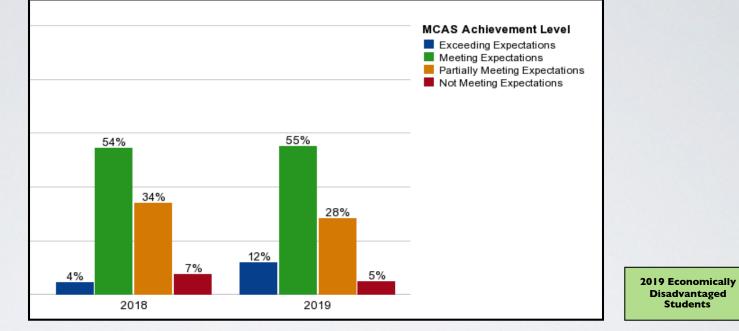
SAMPLE ELA - NHS NEXT GEN. MCAS ASSESSMENT BREAKDOWN



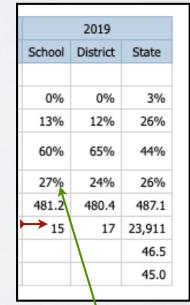




SAMPLE ELA – NOCK MCAS ASSESSMENT BREAKDOWN (GR.8)



2019- Students	2016		2017			2018			2019	
	State	School	District	State	School	District	State	School	District	State
CPI		\searrow								
Exceeding Expectations		0%	0%	1%	0%	0%	1%	0%	3%	1%
Meeting Expectations		13%	12%	11%	13%	12%	13%	28%	26%	13%
Partially Meeting Expectations		52%	50%	49%	52%	52%	40%	44%	42%	44%
Not Meeting Expectations		35%	38%	39%	35%	36%	46%	28%	29%	42%
Avg Scaled Score		481.6	480.5	478.3	477.2	476.2	475.9	485.3	484.9	477.3
N Students		23	26	13,328	31	33	13,499	25	31	13,581
Mean SGP					52.4	53.3	46.1	61.8	60.1	45.9
Median SGP		54.0	55.5	43.0	58.5	64.0	44.0	67.0	65.0	44.0



21

28% of the 25 Students = 7 students

27% of the 25 Students = 4 students

MCAS CONFIDENTIAL REPORT NAMES

Achievement Analysis - District/School	
Results by Achievement Level District and State Comparison	
Student list - All subjects Scaled Scole	
District Results by Subgroup	
District Achievement Distribution by Year	
School, District and State Comparison - Achievement Level	
School Results by Subgroup	
School Achievement Distribution by Year	
Detailed School Achievement Distribution	
Achievement Analysis - Student Level	
Dropbox Links	
Classroom Standards Summary	
Course Three Year Performance Trend	
Student Assessment Detail	
Cohort Achievement and Growth History	
Student Assessment History Summary	
Student list - All subjects Scaled Score	
Curriculum Analysis	
District Results by Standards	
School Results by Standards	
Classroom MCAS Results	
Growth Analysis	
Statewide Achievement and Growth by District	
District Achievement and Growth, by Grade	
MCAS District Growth Distribution	
School Achievement and Growth, by Grade	
School Growth Distribution	
Achievement and Growth by Classroom	
Student Growth Scatter Plot	
Student Growth Roster	
Achievement and Growth by Teacher	
Item Analysis	
District Test Item Analysis Summary - All Students	
District Test Item Analysis Graph	
School Test Item Analysis Summary	
School Test Item Analysis Graph	
Classroom Item Analysis Roster	
Student MCAS Item Analysis- by Teacher	
MCAS Item Analysis Roster	

Achievement Analysis - District / School

Achievement Analysis - Student Level

Curriculum Analysis

Growth Analysis

Item Analysis

Legacy Version: Detailed Data Analysis Example

All Students (235) Standards: MA 2011 Standards

Question 4				Avera	ge Item Scor	e	Perc	entage of S	Student Re	sponses		Correct MC	
	Item No.	Item Type	Standard	District	State	Diff.	Blank/0	A/1	B/2	C/3	D/4	Answer	
	1	MC	CCRA.R.1	98%	97%	1	0	1	1	98	0	С	Area of Focus
	2	MC	CCRA.R.2	97%	94%	3	0	1	2	0	97	D	
	3	MC	CCRA.R.1	97%	95%	2	0	2	0	97	1	С	
	4	MC	CCRA.R.1	73%	71%	2	0	5	19	3	73	D	
	5	MC	CCRA.R.1	98%	96%	2	0	0	98	0	1	В	
	<u>6</u>	MC	CCRA.R.1	90%	80%	10	0	1	6	3	90	D	
	Z	MC	CCRA.L.4	94%	90%	4	0	1	94	2	4	В	
	8	MC	CCRA.L.4	77%	78%	-1	0	14	2	7	77	D	
Question 9 —	9	OR	CCRA.R.2	2.82	2.62	0.20	0	4	26	56	15 ┥		Area of Fo

2016, English Language Arts - Grade 10 Question 4: Multiple-Choice

Reporting Category: Reading

Topic: 13 - Nonfiction

Standard: CCSS.ELA-Literacy.CCRA.R.1 - Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

🔁 💿 View Reading Selection

In paragraph 11, what is the **most likely** reason the author describes the diverse attire of the players?

- A. to show that Phiona is puzzled by the unique garments
- B. to show how Phiona reacts to the variety of people at the match
- C. to show how Phiona watches the players to study their behavior
- D. to show that Phiona will compete with players from all over the world

Return to MCAS Search

2016, English Language Arts - Grade 10 Question 9: Open-Response

Reporting Category: Reading Topic: 13 - Nonfiction Standard: CCSS.ELA-Literacy.CCRA.R.2 - Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

🔁 📑 View Reading Selection

Based on the excerpt, explain why Phiona's accomplishments are so impressive, given the challenges of her life. Support your answer with relevant and specific details from the excerpt.

View Student Work

Return to MCAS Search

"Alone we can do so little; together we can do so much." – Helen Keller

