

# **Lenox Public Schools MCAS and Adequate Yearly Progress**



**October 3, 2011**

# **Adequate Yearly Progress (AYP)**

- **WHAT** is AYP?
- **WHY** is AYP mandated?
- **WHEN** Does AYP “happen”?
- **WHO** is evaluated by AYP?
- **HOW** does AYP affect schools?
- **AYP** and the Lenox Public Schools

# **What is AYP?**

**AYP = Adequate Yearly Progress**

AYP measures individual school progress against annual, state-specific performance targets established by the Department of Elementary & Secondary Education to ensure that 100% of students reach proficiency in English Language Arts and Mathematics by the year 2014.

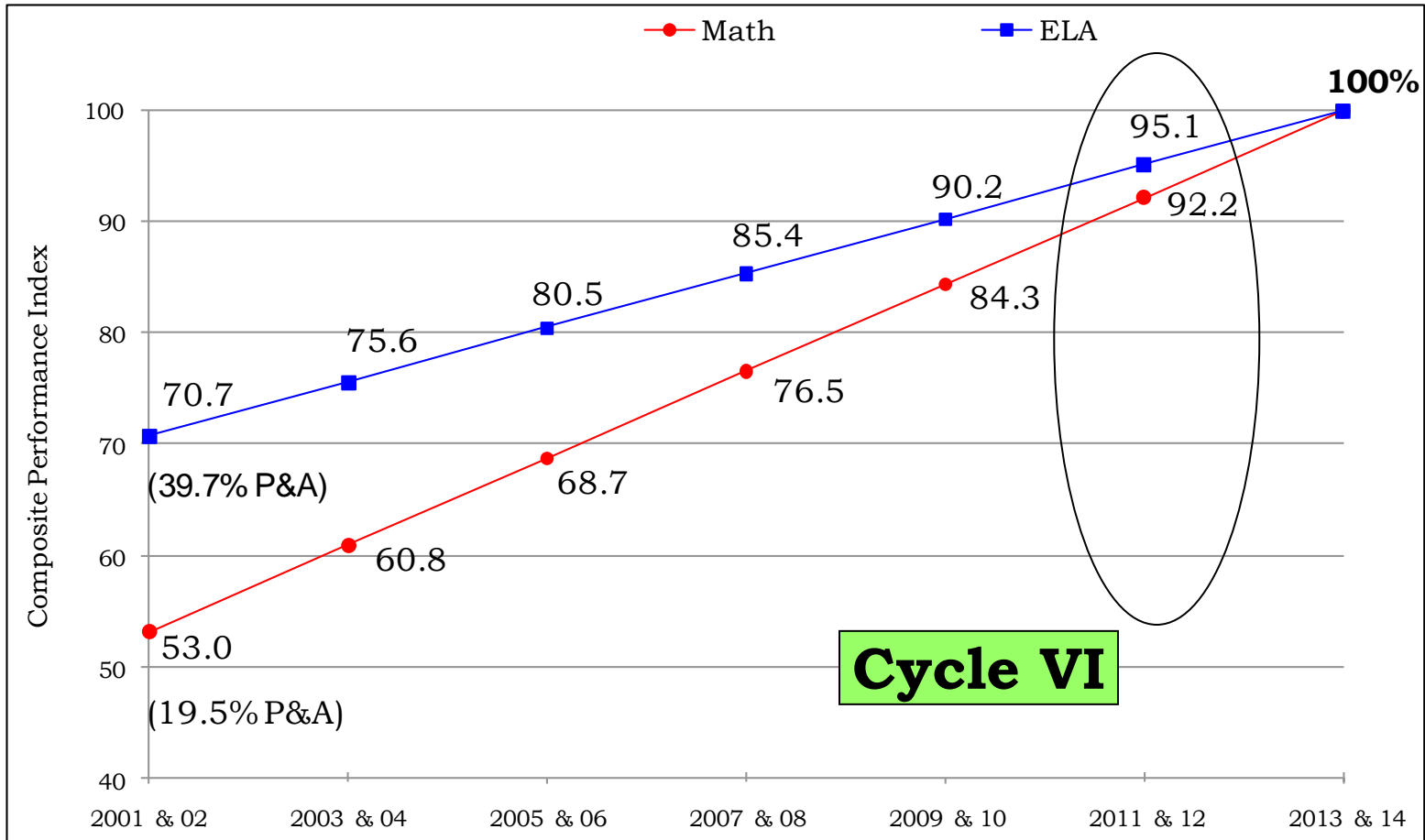
# **Why is AYP Mandated?**

Adequate Yearly Progress was established as part of the 2002 Federal *No Child Left Behind (NCLB)* Act. NCLB requires proficiency in English Language Arts and Mathematics for **100%** of students, in all grade levels, and in all subgroups by the year 2014.

# **When Does AYP “Happen”?**

- The Federal *No Child Left Behind* (NCLB) Act was established in 2002.
- AYP is calculated annually.
- AYP Determinations are made in two-year cycles. This year (2011-12) is year two of the 6<sup>th</sup> two-year cycle.
- Proficiency (100%) in English Language Arts (ELA) and Mathematics is federally mandated by the year 2014.

# MA Performance Targets for ELA and Mathematics 2002 - 2014



“State Education Commissioner Mitchell Chester said 82% of all schools and 91% of all school districts failed to meet Adequate Yearly Progress (AYP) targets”

Berkshire Eagle, 9/21/11

*\*\*\* Lenox Public Schools (District) made AYP!*

# **Who is Evaluated by AYP?**

- All Schools
- All Grades
- All Students
- All Subgroups
- All Ways
- All of the Time

**Through 2014**

# Who is Evaluated by AYP?

The Department of Elementary & Secondary Education evaluates AYP for the following student groups:

## Total School Population:

- Aggregate (all students in the school)

**AND**

## Subgroups (Federal/State Label)

- Limited English Proficient
- Special Education
- Low Income (Title I)
- African American/Black
- Asian or Pacific Islander
- Hispanic
- Native American
- White

# How Does AYP Affect Schools?

AYP is calculated based on four variables:

A = Student Participation

B = Individual Student Performance

C = School Improvement

D = Student Attendance Rate/Graduation Rate

$$A + (B \text{ or } C) + D = \text{AYP}$$

# How Does AYP Affect Schools?

AYP Calculation for  
“B” – Student Performance

Total Performance Points of all Students

÷

Total # of students tested

=

**CPI**

(Composite Performance Index)



# **AYP Accountability Status Ratings**

1. No Status (The Best You Can Be)
2. Improvement
3. Corrective Action
4. Restructuring
5. State Take-Over

# Lenox- The District

## 2011 Adequate Yearly Progress (AYP) Data - Summary

[Summary Data](#) | [Detailed Data](#)

	<a href="#">NCLB Accountability Status</a>	<a href="#">Improvement Rating</a>
<b>ENGLISH LANGUAGE ARTS</b>	No Status	No Change
<b>MATHEMATICS</b>	No Status	No Change

A district is newly identified for improvement if it fails to make AYP in the same subject area and all grade-spans, for students in the aggregate or any subgroup, for two consecutive years. A district will have no accountability status if it makes AYP in the same subject area for at least one grade-span for two consecutive years.

<b>ENGLISH LANGUAGE ARTS</b>					
Grade Spans		2009	2010	2011	2011 Subgroups Not Making AYP
<b>Grades 3-5</b>	Aggregate	Yes	Yes	No	White -
	All Subgroups	Yes	Yes	Yes	
<b>Grades 6-8</b>	Aggregate	Yes	Yes	No	
	All Subgroups	Yes	Yes	No	
<b>Grades 9-12</b>	Aggregate	Yes	Yes	Yes	
	All Subgroups	Yes	Yes	Yes	

<b>MATHEMATICS</b>					
Grade Spans		2009	2010	2011	2011 Subgroups Not Making AYP
<b>Grades 3-5</b>	Aggregate	No	No	Yes	White -
	All Subgroups	Yes	No	Yes	
<b>Grades 6-8</b>	Aggregate	No	Yes	No	
	All Subgroups	No	Yes	No	
<b>Grades 9-12</b>	Aggregate	Yes	Yes	Yes	
	All Subgroups	Yes	Yes	Yes	

<b>Adequate Yearly Progress History</b>										<b>NCLB Accountability Status</b>
	2004	2005	2006	2007	2008	2009	2010	2011		
<b>ELA</b>	<b>Aggregate</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No Status
	<b>All Subgroups</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>MATH</b>	<b>Aggregate</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No Status
	<b>All Subgroups</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

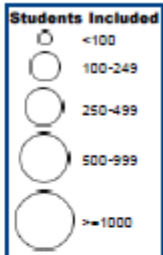
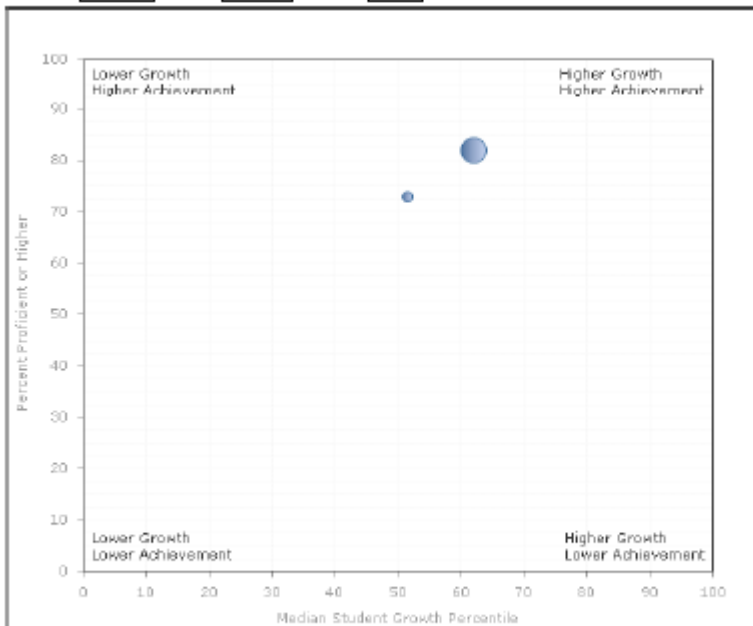
# Lenox- The District

Grade and Subject	Proficient or Higher		Advanced		Proficient		Needs Improvement		Warning/ Failing		Students Included	CPI	SGP	Included in SGP
	DISTRICT	STATE	DISTRICT	STATE	DISTRICT	STATE	DISTRICT	STATE	DISTRICT	STATE				
GRADE 03 - READING	79	61	17	11	62	50	19	30	2	9	53	92.0	N/A	N/A
GRADE 03 - MATHEMATICS	80	66	25	14	55	52	17	25	4	10	53	91.5	N/A	N/A
GRADE 04 - ENGLISH LANGUAGE ARTS	51	53	0	10	51	43	40	35	9	12	45	77.2	36.0	43
GRADE 04 - MATHEMATICS	37	47	7	15	30	32	52	42	11	11	46	72.8	31.5	44
GRADE 05 - ENGLISH LANGUAGE ARTS	81	67	36	17	45	50	9	24	11	9	56	88.8	78.0	53
GRADE 05 - MATHEMATICS	73	59	40	25	33	34	18	26	9	15	55	85.9	79.5	52
GRADE 05 - SCIENCE AND TECH/ENG	66	50	24	14	42	36	25	36	9	15	55	84.5	N/A	N/A
GRADE 06 - ENGLISH LANGUAGE ARTS	67	68	36	17	31	51	30	23	3	9	67	88.1	63.5	64
GRADE 06 - MATHEMATICS	55	58	28	26	27	32	22	25	22	16	67	75.0	47.5	64
GRADE 07 - ENGLISH LANGUAGE ARTS	92	73	24	14	68	59	8	21	0	6	59	97.5	57.0	55
GRADE 07 - MATHEMATICS	73	51	32	19	41	32	24	27	3	22	59	89.0	64.0	55
GRADE 08 - ENGLISH LANGUAGE ARTS	80	79	12	20	68	59	14	15	6	6	65	92.7	42.5	60
GRADE 08 - MATHEMATICS	37	52	14	23	23	29	42	27	21	21	66	67.4	30.0	60
GRADE 08 - SCIENCE AND TECH/ENG	41	39	3	4	38	35	47	42	12	19	66	75.0	N/A	N/A
GRADE 10 - ENGLISH LANGUAGE ARTS	91	84	65	33	26	51	6	13	3	3	72	97.6	82.0	54
GRADE 10 - MATHEMATICS	86	77	64	48	22	29	10	16	4	7	73	95.5	76.0	55
GRADE 10 - SCIENCE AND TECH/ENG	82	67	56	20	26	47	13	27	5	7	62	93.1	N/A	N/A
ALL GRADES - ENGLISH LANGUAGE ARTS	78	69	29	17	49	52	17	23	5	8	417	91.2	57.0	329
ALL GRADES - MATHEMATICS	64	58	32	24	32	34	26	27	11	15	419	82.6	55.0	330

# Lenox- The District

## MCAS Student Growth Report - Lenox

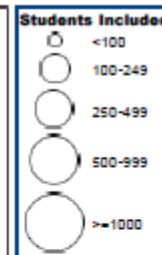
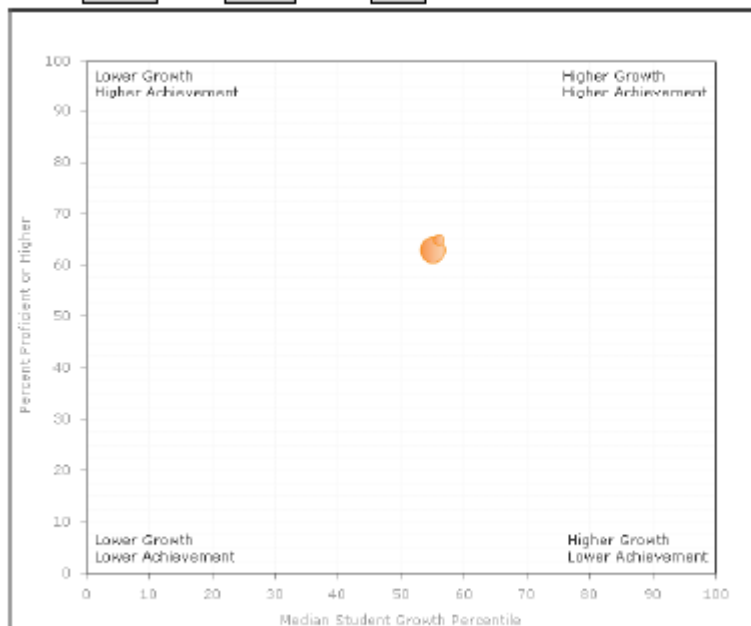
Subject:  Year:  Grade:



School	Median SGP	% Proficient or Higher	Included in SGP
Lenox Memorial High	62.0	82	232
Morris	51.5	73	96

## MCAS Student Growth Report - Lenox

Subject:  Year:  Grade:



School	Median SGP	% Proficient or Higher	Included in SGP
Lenox Memorial High	55.0	63	233
Morris	56.0	65	96

# Morris Elementary School

## 2011 Adequate Yearly Progress (AYP) Data - Summary

Summary Data | [Detailed Data](#)

	NCLB Accountability Status	Improvement Rating
ENGLISH LANGUAGE ARTS	No Status	No Change
MATHEMATICS	Improvement Year 1	On Target

To make AYP in 2011, a student group must meet (A) a student participation requirement, either (B) the State's 2011 performance target for that subject or (C) the group's own 2011 improvement target, and (D) an additional attendance or graduation requirement.

Student Group	(A) Participation		(B) Performance		(C) Improvement		(D) Attendance		AYP 2011
	Did at least 95% of students participate in MCAS?		Did student group meet or exceed state performance target?		Did student group meet or exceed its own improvement target?		Did student group meet attendance (G1-8) or graduation rate target (G9-12)?		
	Met Target	Actual	Met Target (95.1)	Actual	Met Target	Change from 2010	Met Target	Actual	
<b>ENGLISH LANGUAGE ARTS</b>									
Aggregate	Yes	99	No	87.1	No	-0.7	Yes	95.2	No
Lim. English Prof.	-	-	-	-	-	-	-	-	-
Special Education	-	-	-	51.3	-	-	-	-	-
Low Income	-	-	-	78.9	-	-	-	-	-
Afr. Amer./Black	-	-	-	-	-	-	-	-	-
Asian or Pacif. Isl.	-	-	-	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-	-	-	-
Native American	-	-	-	-	-	-	-	-	-
White	Yes	100	No	89.3	Yes	0.5	Yes	95.4	Yes
<b>MATHEMATICS</b>									
Aggregate	Yes	99	No	84.3	Yes	5.1	Yes	95.2	Yes
Lim. English Prof.	-	-	-	-	-	-	-	-	-
Special Education	-	-	-	48.8	-	-	-	-	-
Low Income	-	-	-	79.8	-	-	-	-	-
Afr. Amer./Black	-	-	-	-	-	-	-	-	-
Asian or Pacif. Isl.	-	-	-	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-	-	-	-
Native American	-	-	-	-	-	-	-	-	-
White	Yes	99	No	88.3	Yes	6.1	Yes	95.4	Yes

Adequate Yearly Progress History										NCLB Accountability Status	
		2004	2005	2006	2007	2008	2009	2010	2011		
ELA	Aggregate	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No Status	
	All Subgroups	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes		
MATH	Aggregate	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Improvement Year 1	
	All Subgroups	Yes	Yes	Yes	Yes	Yes	No	No	Yes		

# Lenox Memorial Middle High School

## 2011 Adequate Yearly Progress (AYP) Data - Summary

Summary Data | [Detailed Data](#)

	<a href="#">NCLB Accountability Status</a>	<a href="#">Improvement Rating</a>
<b>ENGLISH LANGUAGE ARTS</b>	No Status	Declined
<b>MATHEMATICS</b>	No Status	No Change

To make AYP in 2011, a student group must meet (A) a student participation requirement, either (B) the State's 2011 performance target for that subject or (C) the group's own 2011 improvement target, and (D) an additional attendance or graduation requirement.

Student Group	(A) Participation		(B) Performance		(C) Improvement		(D) Grad Rate		AYP 2011
	Met Target	Actual	Met Target (95.1)	Actual	Met Target	Change from 2010	Met Target	Actual	
Aggregate	Yes	99	No	94.0	No	-2.8	Yes	94.5	No
Lim. English Prof.	-	-	-	-	-	-	-	-	-
Special Education	-	-	-	-	-	-	-	-	-
Low Income	-	-	-	83.3	-	-	-	-	-
Afr. Amer./Black	-	-	-	-	-	-	-	-	-
Asian or Pacif. Isl.	-	-	-	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-	-	-	-
Native American	-	-	-	-	-	-	-	-	-
White	Yes	99	No	94.8	No	-2.5	Yes	97.0	No
<b>MATHEMATICS</b>	Met Target	Actual	Met Target (92.2)	Actual	Met Target	Change from 2010	Met Target	Actual	AYP 2011
Aggregate	Yes	100	No	81.9	No	-1.8	Yes	94.5	No
Lim. English Prof.	-	-	-	-	-	-	-	-	-
Special Education	-	-	-	-	-	-	-	-	-
Low Income	-	-	-	62.1	-	-	-	-	-
Afr. Amer./Black	-	-	-	-	-	-	-	-	-
Asian or Pacif. Isl.	-	-	-	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-	-	-	-
Native American	-	-	-	-	-	-	-	-	-
White	Yes	100	No	83.7	No	-1.0	Yes	97.0	No

Adequate Yearly Progress History										NCLB Accountability Status
		2004	2005	2006	2007	2008	2009	2010	2011	
ELA	Aggregate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No Status
	All Subgroups	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
MATH	Aggregate	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No Status
	All Subgroups	Yes	Yes	Yes	Yes	Yes	No	Yes	No	

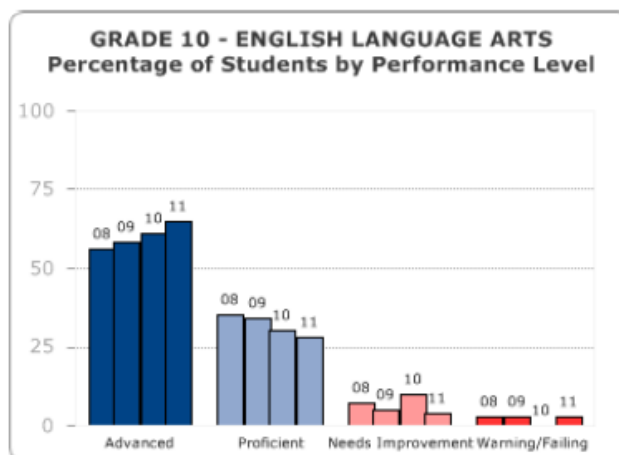
# Massachusetts Comprehensive Assessment System (MCAS)

- The Massachusetts Comprehensive Assessment System (MCAS) is designed to meet the requirements of the Education Reform Law of 1993;
- Tests all public school students in Massachusetts, including students with disabilities and limited English proficient students;
- Measures performance based on the Massachusetts Curriculum Framework learning standards.
- Tests in subjects of English, Math, and Science.

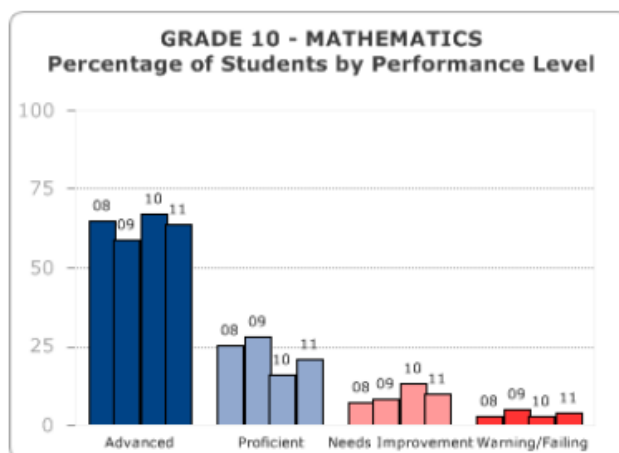
# Lenox Memorial Middle High School

Grade and Subject	Proficient or Higher		Advanced		Proficient		Needs Improvement		Warning/ Failing		Students Included	CPI	SGP	Included in SGP
	SCHOOL	STATE	SCHOOL	STATE	SCHOOL	STATE	SCHOOL	STATE	SCHOOL	STATE				
<b>GRADE 06 - ENGLISH LANGUAGE ARTS</b>	66	68	37	17	29	51	31	23	3	9	65	87.7	63.5	64
<b>GRADE 06 - MATHEMATICS</b>	55	58	29	26	26	32	22	25	23	16	65	75.0	47.5	64
<b>GRADE 07 - ENGLISH LANGUAGE ARTS</b>	92	73	24	14	68	59	8	21	0	6	59	97.5	57.0	55
<b>GRADE 07 - MATHEMATICS</b>	73	51	32	19	41	32	24	27	3	22	59	89.0	64.0	55
<b>GRADE 08 - ENGLISH LANGUAGE ARTS</b>	82	79	13	20	69	59	14	15	5	6	64	92.6	42.5	60
<b>GRADE 08 - MATHEMATICS</b>	37	52	14	23	23	29	43	27	20	21	65	67.3	30.0	60
<b>GRADE 08 - SCIENCE AND TECH/ENG</b>	41	39	3	4	38	35	48	42	11	19	65	75.0	N/A	N/A
<b>GRADE 10 - ENGLISH LANGUAGE ARTS</b>	93	84	65	33	28	51	4	13	3	3	69	98.2	82.0	53
<b>GRADE 10 - MATHEMATICS</b>	87	77	66	48	21	29	9	16	4	7	70	96.1	76.0	54
<b>GRADE 10 - SCIENCE AND TECH/ENG</b>	83	67	57	20	26	47	11	27	5	7	61	93.4	N/A	N/A
<b>ALL GRADES - ENGLISH LANGUAGE ARTS</b>	82	69	35	17	47	52	14	23	3	8	257	94.0	62.0	232
<b>ALL GRADES - MATHEMATICS</b>	63	58	36	24	27	34	24	27	13	15	259	81.9	55.0	233

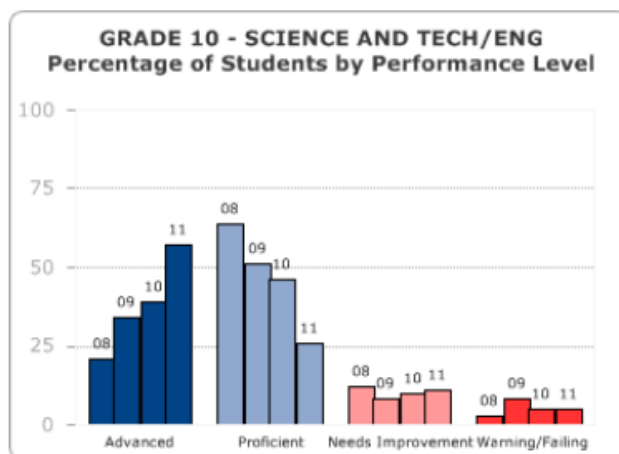
GRADE 10 - ENGLISH LANGUAGE ARTS				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	56	58	61	65
PROFICIENT	35	34	30	28
NEEDS IMPROVEMENT	7	5	10	4
FAILING	3	3	0	3



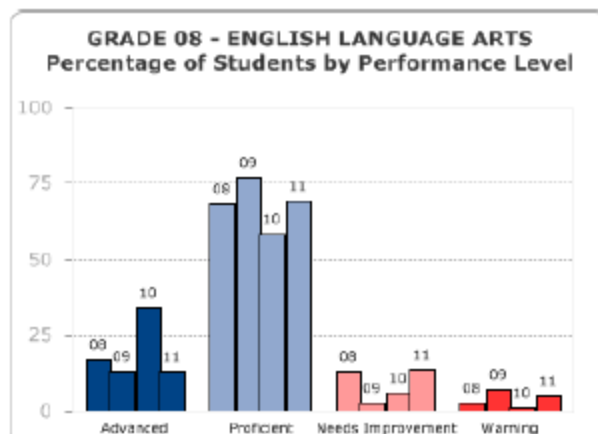
GRADE 10 - MATHEMATICS				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	65	59	67	64
PROFICIENT	25	28	16	21
NEEDS IMPROVEMENT	7	8	13	10
FAILING	3	5	3	4



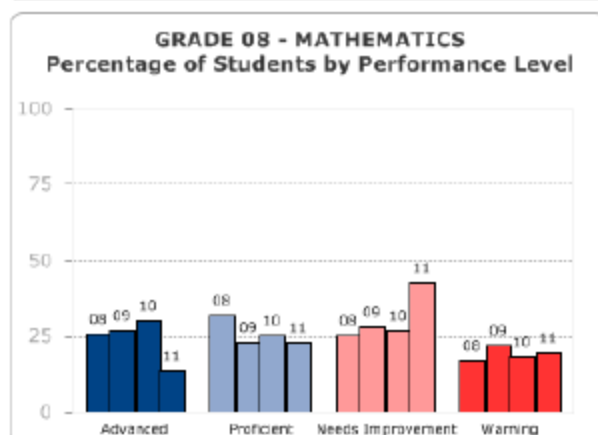
GRADE 10 - SCIENCE AND TECH/ENG				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	21	34	39	57
PROFICIENT	64	51	46	26
NEEDS IMPROVEMENT	12	8	10	11
FAILING	3	8	5	5



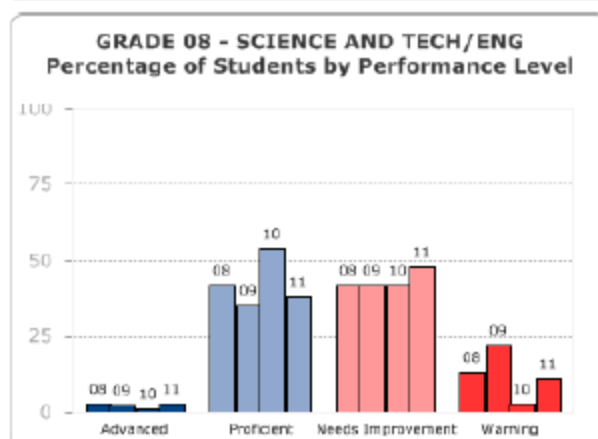
GRADE 08 - ENGLISH LANGUAGE ARTS				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	17	13	34	13
PROFICIENT	68	77	58	69
NEEDS IMPROVEMENT	13	3	6	14
WARNING	3	7	1	5



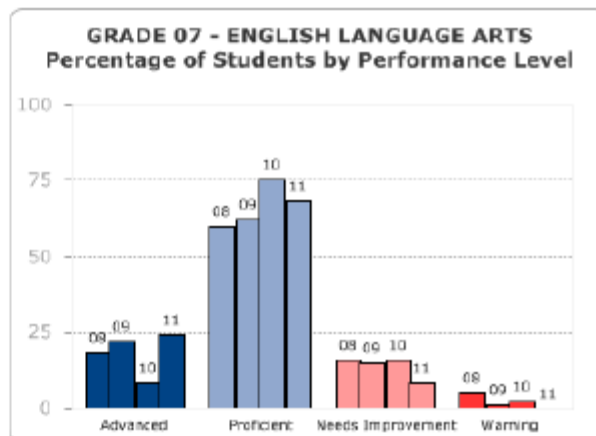
GRADE 08 - MATHEMATICS				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	26	27	30	14
PROFICIENT	32	23	25	23
NEEDS IMPROVEMENT	25	28	27	43
WARNING	17	22	18	20



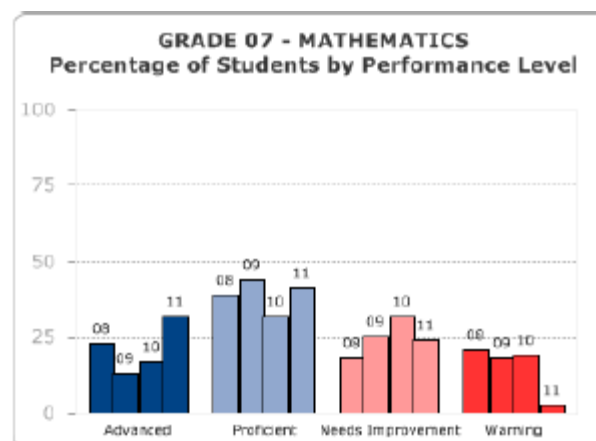
GRADE 08 - SCIENCE AND TECH/ENG				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	3	2	1	3
PROFICIENT	42	35	54	38
NEEDS IMPROVEMENT	42	42	42	48
WARNING	13	22	3	11



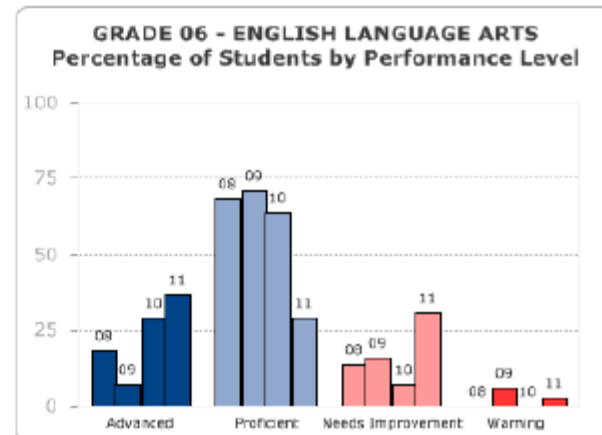
GRADE 07 - ENGLISH LANGUAGE ARTS				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	18	22	8	24
PROFICIENT	60	62	75	68
NEEDS IMPROVEMENT	16	15	16	8
WARNING	5	1	2	0



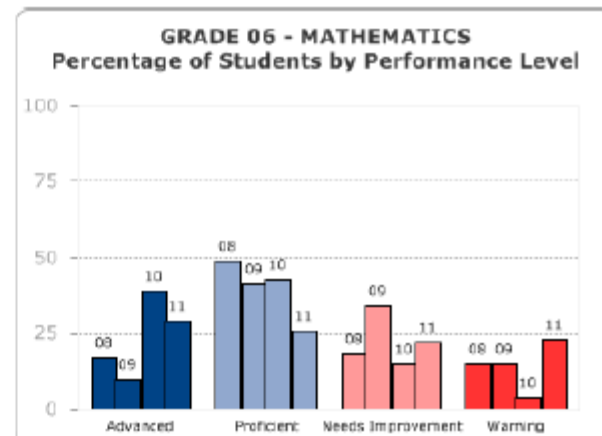
GRADE 07 - MATHEMATICS				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	23	13	17	32
PROFICIENT	39	44	32	41
NEEDS IMPROVEMENT	18	25	32	24
WARNING	21	18	19	3



GRADE 06 - ENGLISH LANGUAGE ARTS				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	18	7	29	37
PROFICIENT	68	71	64	29
NEEDS IMPROVEMENT	14	16	7	31
WARNING	0	6	0	3



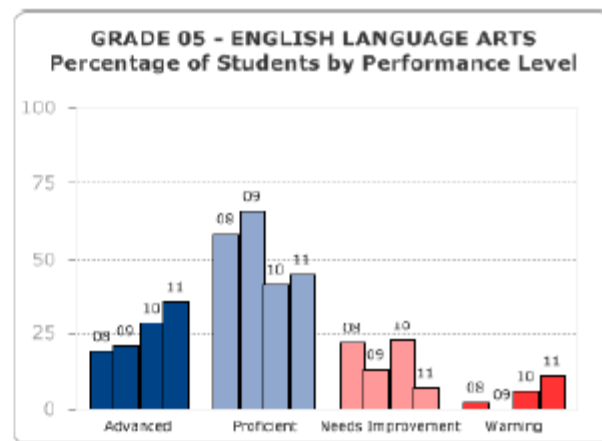
GRADE 06 - MATHEMATICS				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	17	10	39	29
PROFICIENT	49	41	43	26
NEEDS IMPROVEMENT	18	34	15	22
WARNING	15	15	4	23



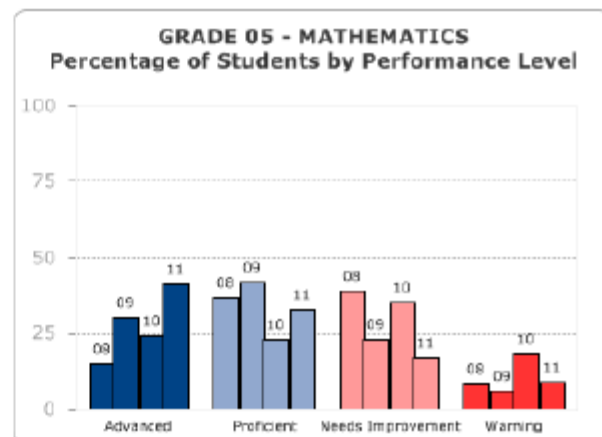
# Morris Elementary School

Grade and Subject	Proficient or Higher		Advanced		Proficient		Needs Improvement		Warning/ Failing		Students Included	CPI	SGP	Included in SGP
	SCHOOL	STATE	SCHOOL	STATE	SCHOOL	STATE	SCHOOL	STATE	SCHOOL	STATE				
<b>GRADE 03 - READING</b>	80	81	17	11	63	50	17	30	2	9	52	92.3	N/A	N/A
<b>GRADE 03 - MATHEMATICS</b>	81	88	25	14	58	52	15	25	4	10	52	91.8	N/A	N/A
<b>GRADE 04 - ENGLISH LANGUAGE ARTS</b>	52	53	0	10	52	43	39	35	9	12	44	77.8	36.0	43
<b>GRADE 04 - MATHEMATICS</b>	38	47	7	15	31	32	51	42	11	11	45	72.8	31.5	44
<b>GRADE 05 - ENGLISH LANGUAGE ARTS</b>	81	87	38	17	45	50	7	24	11	9	55	89.5	78.0	53
<b>GRADE 05 - MATHEMATICS</b>	74	59	41	25	33	34	17	28	9	15	54	86.8	79.5	52
<b>GRADE 05 - SCIENCE AND TECH/ENG</b>	67	50	24	14	43	36	28	36	7	15	54	85.8	N/A	N/A
<b>ALL GRADES - ENGLISH LANGUAGE ARTS</b>	73	69	19	17	54	52	20	23	7	8	151	87.1	51.5	98
<b>ALL GRADES - MATHEMATICS</b>	65	58	25	24	40	34	28	27	8	15	151	84.3	56.0	96

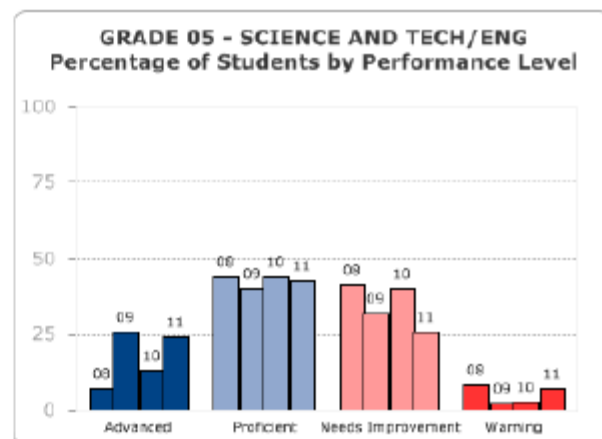
GRADE 05 - ENGLISH LANGUAGE ARTS				
PERFORMANCE 2008 2009 2010 2011				
LEVEL				
ADVANCED	19	21	29	36
PROFICIENT	58	66	42	45
NEEDS IMPROVEMENT	22	13	23	7
WARNING	2	0	6	11



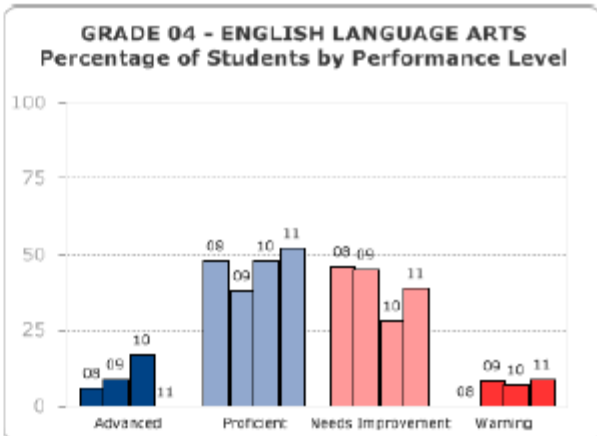
GRADE 05 - MATHEMATICS				
PERFORMANCE 2008 2009 2010 2011				
LEVEL				
ADVANCED	15	30	24	41
PROFICIENT	37	42	23	33
NEEDS IMPROVEMENT	39	23	35	17
WARNING	8	6	18	9



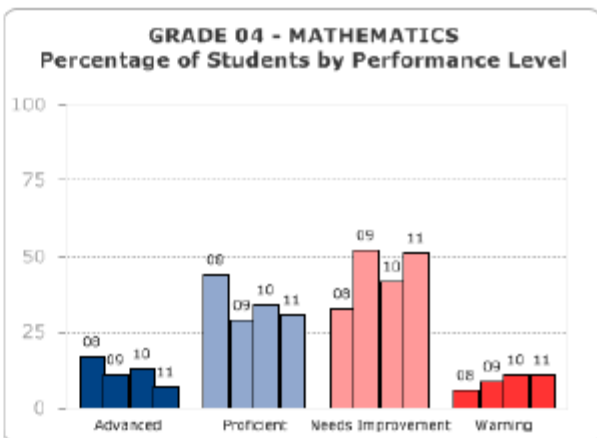
GRADE 05 - SCIENCE AND TECH/ENG				
PERFORMANCE 2008 2009 2010 2011				
LEVEL				
ADVANCED	7	26	13	24
PROFICIENT	44	40	44	43
NEEDS IMPROVEMENT	41	32	40	28
WARNING	8	2	3	7



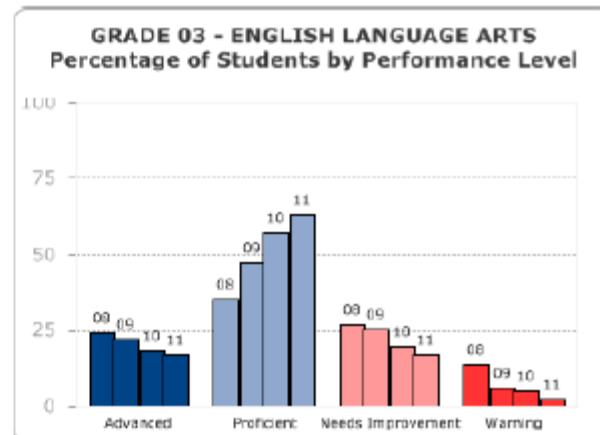
GRADE 04 - ENGLISH LANGUAGE ARTS				
PERFORMANCE LEVEL	2008	2009	2010	2011
<b>ADVANCED</b>	6	9	17	0
<b>PROFICIENT</b>	48	38	48	52
<b>NEEDS IMPROVEMENT</b>	46	45	28	39
<b>WARNING</b>	0	8	7	9



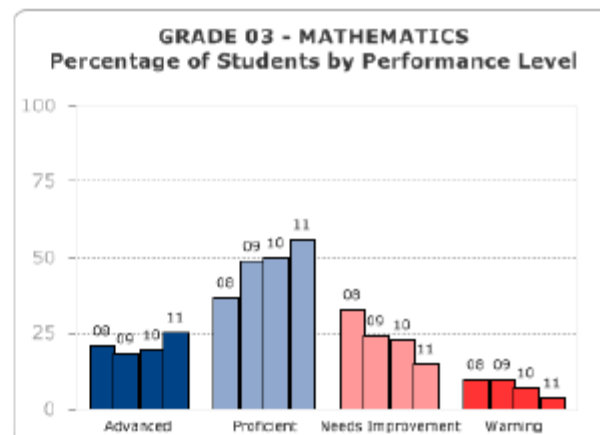
GRADE 04 - MATHEMATICS				
PERFORMANCE LEVEL	2008	2009	2010	2011
<b>ADVANCED</b>	17	11	13	7
<b>PROFICIENT</b>	44	29	34	31
<b>NEEDS IMPROVEMENT</b>	33	52	42	51
<b>WARNING</b>	6	9	11	11



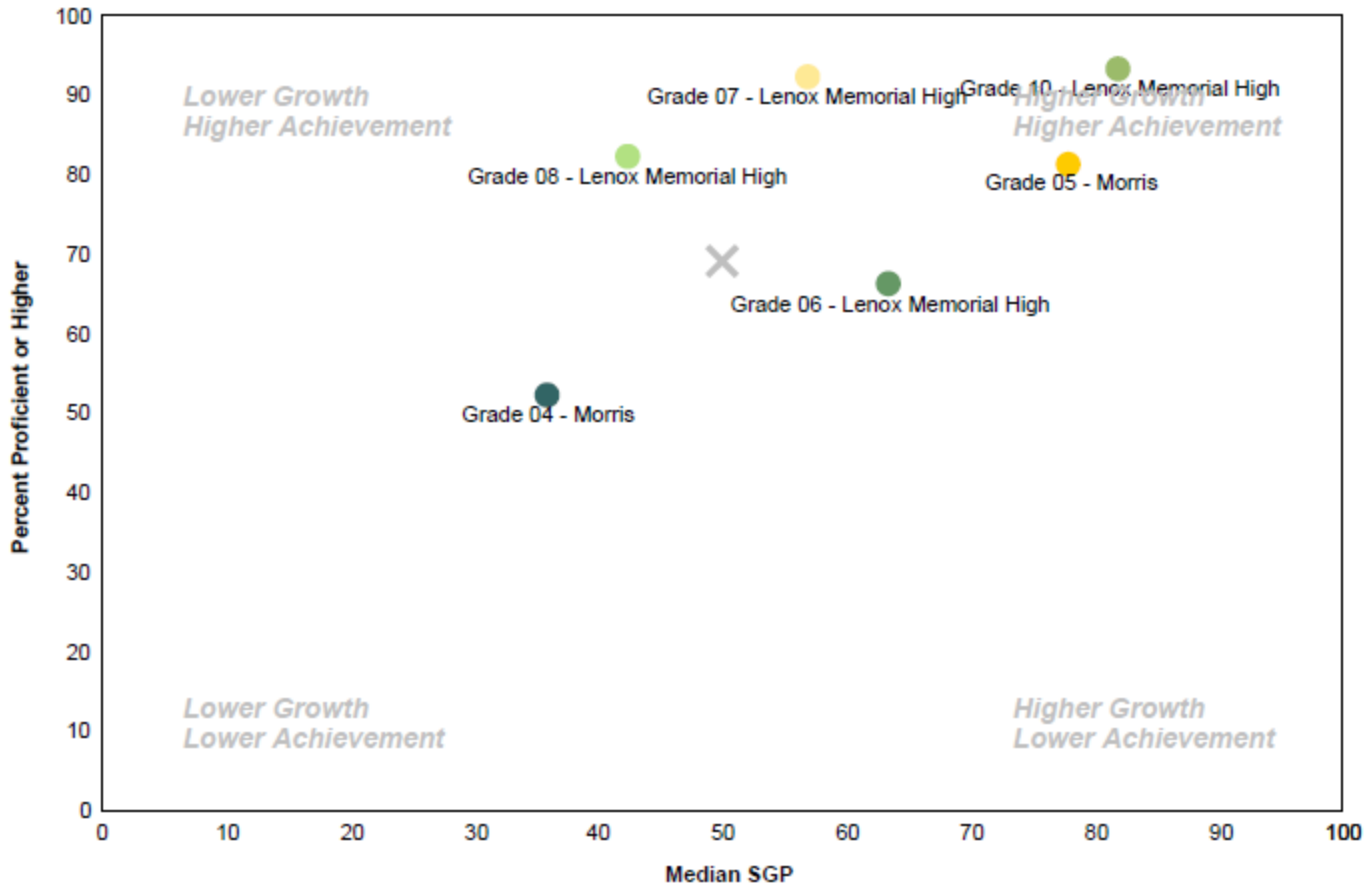
GRADE 03 - ENGLISH LANGUAGE ARTS				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	24	22	18	17
PROFICIENT	35	47	57	63
NEEDS IMPROVEMENT	27	25	20	17
WARNING	14	6	5	2



GRADE 03 - MATHEMATICS				
PERFORMANCE LEVEL	2008	2009	2010	2011
ADVANCED	21	18	20	25
PROFICIENT	37	49	50	58
NEEDS IMPROVEMENT	33	24	23	15
WARNING	10	10	7	4



### Lenox - 2011 MCAS All Grades English Language Arts



### Lenox - 2011 MCAS All Grades Mathematics



# Next Steps

## **I. MCAS Scores Presentation**

School Committee October 3<sup>rd</sup>/24<sup>th</sup>

## **II. MCAS Subject & Student Disaggregation of Scores**

Administrative Team, Dept. Heads, and Teachers

## **III. School Improvement Plans Presentation**

School Committee October 24<sup>th</sup>

Including:

- MCAS SMART Goals and Action Steps for improvement
- Disaggregated data for data-driven decision-making
- MCAS Support & Initiatives
- Data Driven Assessments
- Integrating New Curriculum & Instruction