



# Howe Manning and Fuller Meadow

*Assessment for Learning to Generate Growth Over Time*

**October 14, 2010**

# Basic Beliefs and Commitments Regarding School Improvement

- We are individually and collectively a “vital part of the whole”.
- We take responsibility at Howe Manning and Fuller Meadow for improving student performance in all areas at all grade levels.
- We believe that all children can learn and that a continuous improvement approach to student achievement creates growth over time.
- We believe that the purpose of assessment is to inform instruction!

# Professional Learning Community

As a professional learning community we believe in:

1. Collaboration —→ with a Learning and Teaching Focus
2. Collaboration —→ with Learning, Reflection and Review
3. The use of Evidence
4. Shared responsibility for the Achievement and Engagement of all Learners

# Massachusetts Accountability System Basics

## School Performance Ratings are

- Biannual (2002, 2004, 2006...), as required by state law
- Descriptive terms
- Ratings for *Performance* and *Improvement*
- Based on aggregate MCAS student results

## AYP determinations are

- Issued *every year*, as required by federal law
- For students in aggregate and for subgroups
- Based on four factors:
  - participation, performance, improvement, and attendance  
(elementary and middle schools) or graduation rate (high schools)

•Source: DOE 2004

# Why Proficiency?

Proficiency in core academic subjects is the gateway to:

- *Opportunities for higher education*
- *Meaningful choices for employment in our 21<sup>st</sup>-century high tech economy*
- *Full participation in community and civic life*

•Source: DESE 2004

# Calculating the Composite Performance Index (“CPI”)

Points awarded based on  
number of students  
performing at each level  
Different performance  
measures for students with  
significant cognitive  
disabilities participating in  
MCAS- Alt  
Just arithmetic! Multiply, add,  
then divide.



•Source: DESE 2004

# Composite Performance Index Calculation

**Table 1: MCAS Performance Index**

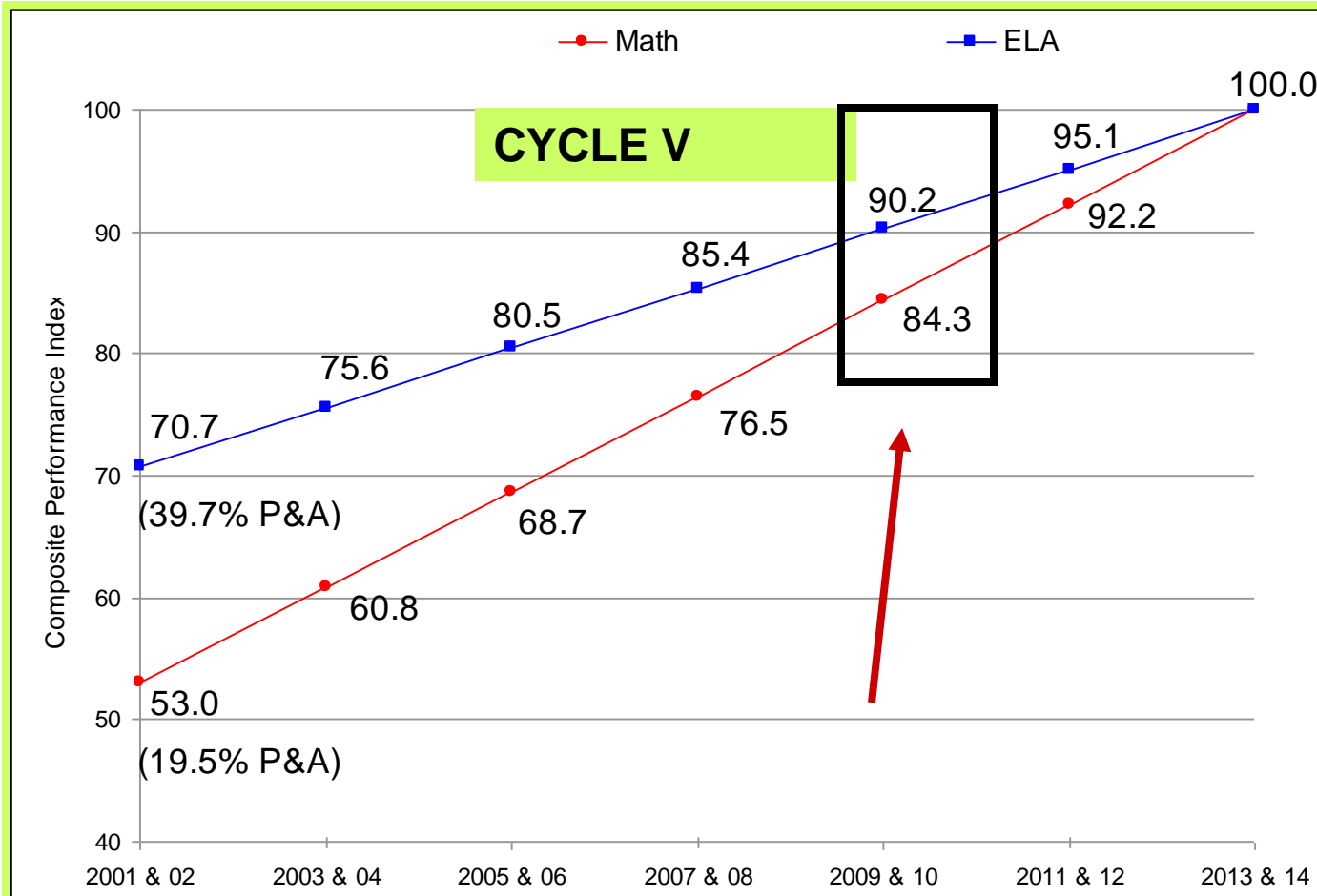
<b>For students taking standard MCAS tests (and MCAS-Alt for students who do <u>not</u> have significant cognitive disabilities)</b>	
<b>MCAS SCALED SCORE (or MCAS-Alt equivalent)</b>	<b>POINTS AWARDED</b>
200 – 208 <i>Failing/Warning – Low (Awareness)</i>	0
210 – 218 <i>Failing/Warning – High (Emerging/Progressing)</i>	25
220 – 228 <i>(Needs Improvement – Low)</i>	50
230 – 238 <i>(Needs Improvement – High)</i>	75
240 – 280 <i>(Proficient/Advanced)</i>	100

**Table 2: MCAS-Alt Index**

<b>For students with significant cognitive disabilities taking MCAS-Alt (up to 1% of all assessed students in a district)</b>	
<b>MCAS-ALT SCORE</b>	<b>POINTS AWARDED</b>
Portfolio not submitted	0
<i>Incomplete</i>	25
<i>Awareness</i>	50
<i>Emerging</i>	75
<i>Progressing</i>	100

•Source: DOE 2004

# Massachusetts NCLB Performance Targets for ELA and Mathematics 2009 - 2010



•Source: DOE

# What is AYP?



- AYP stands for Adequate Yearly Progress
- Means progress towards 100% of students achieving proficiency by 2014
- Measures progress against specific expectations each year

Source: DOE 2004

# Comparative State Ranking 2007-2010

## Rankings are based on 300-310 districts

Grade	Boston Globe Ranking 2007	Boston Globe Ranking 2008	Boston Globe Ranking 2009	Boston Globe Ranking 2010
3- Reading	19	89	45	25
3- Math	43	96	14	29
4-ELA	105	33	53	54
4-Math	79	25	85	71
5- ELA	63	150	49	31
5- Math	19	45	57	72
5-Science	32	32	63	18
6-ELA	63	80	97	45
6- Math	47	5	75	26

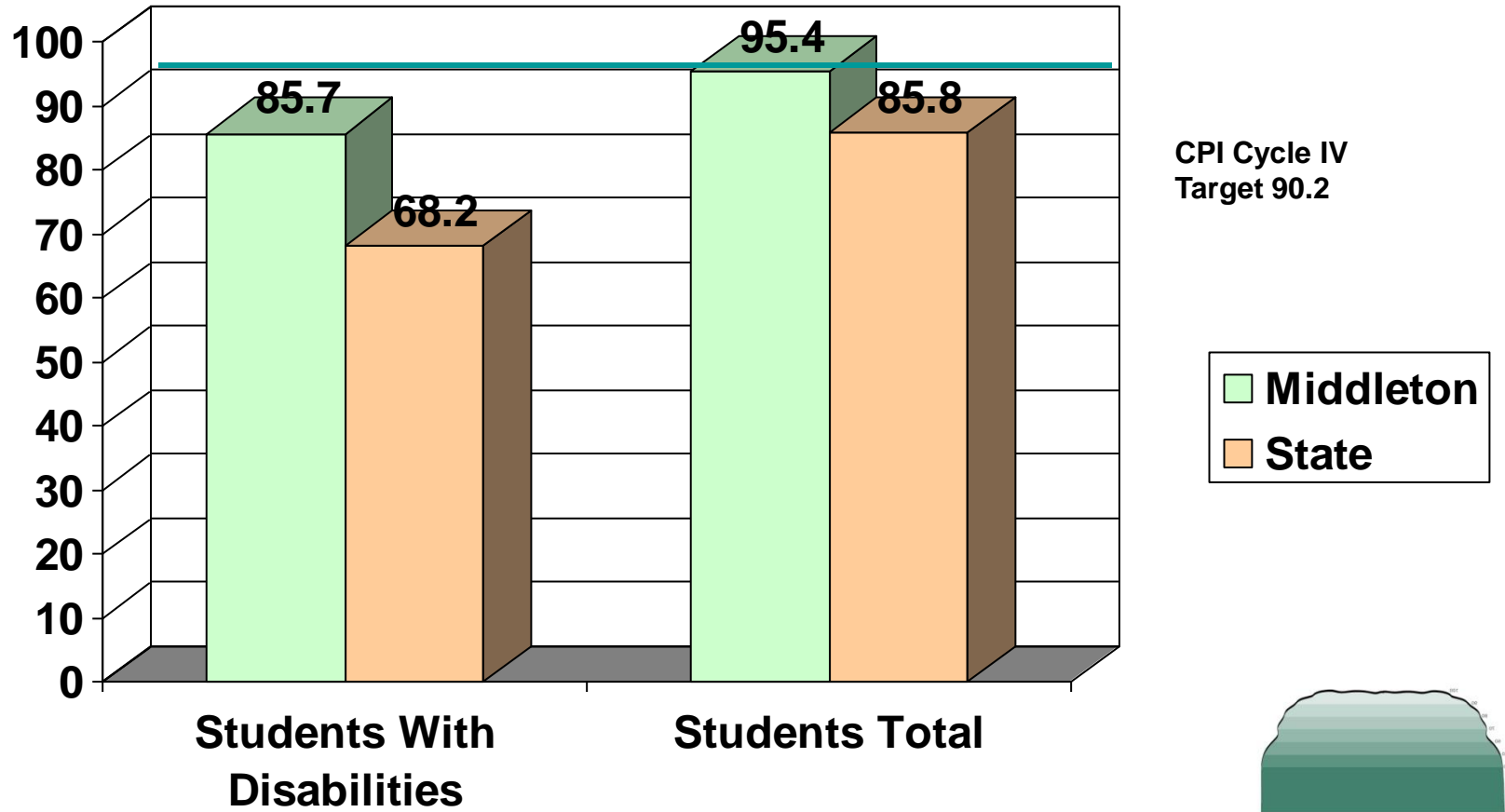
# **Grade 3 Results 2010**

**Class of 2019**  
**Current Grade 4**

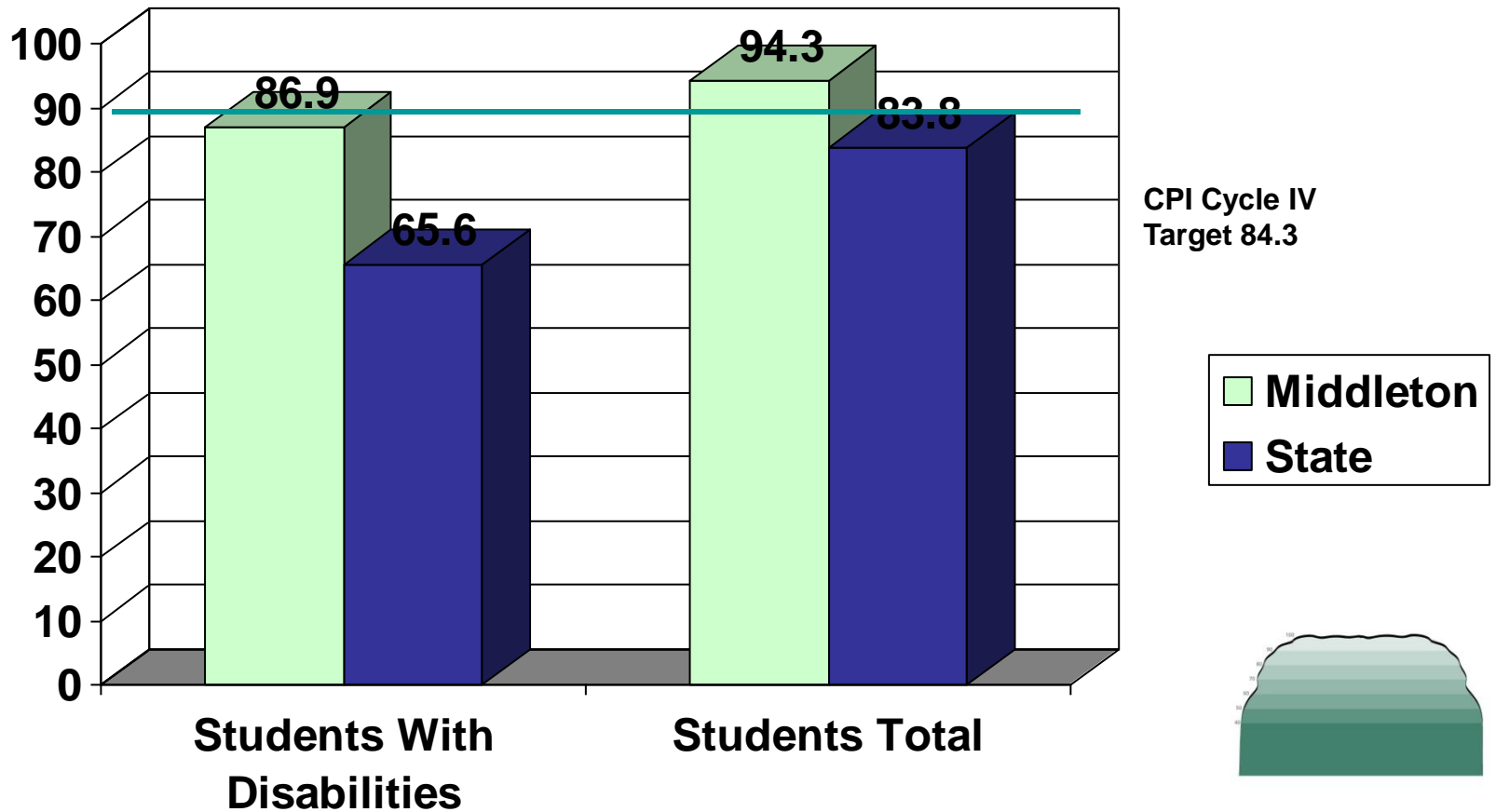
## Current Grade 4 Class (2019)

<b>English Language Arts</b>	<b>Composite Performance Index (Maximum =100)</b>	<b>Mathematics</b>	<b>Composite Performance Index (Maximum=100)</b>
<b>Grade 3: State Rank #25</b>	<b>95.4</b>	<b>Grade 3: State Rank #29</b>	<b>94.3</b>

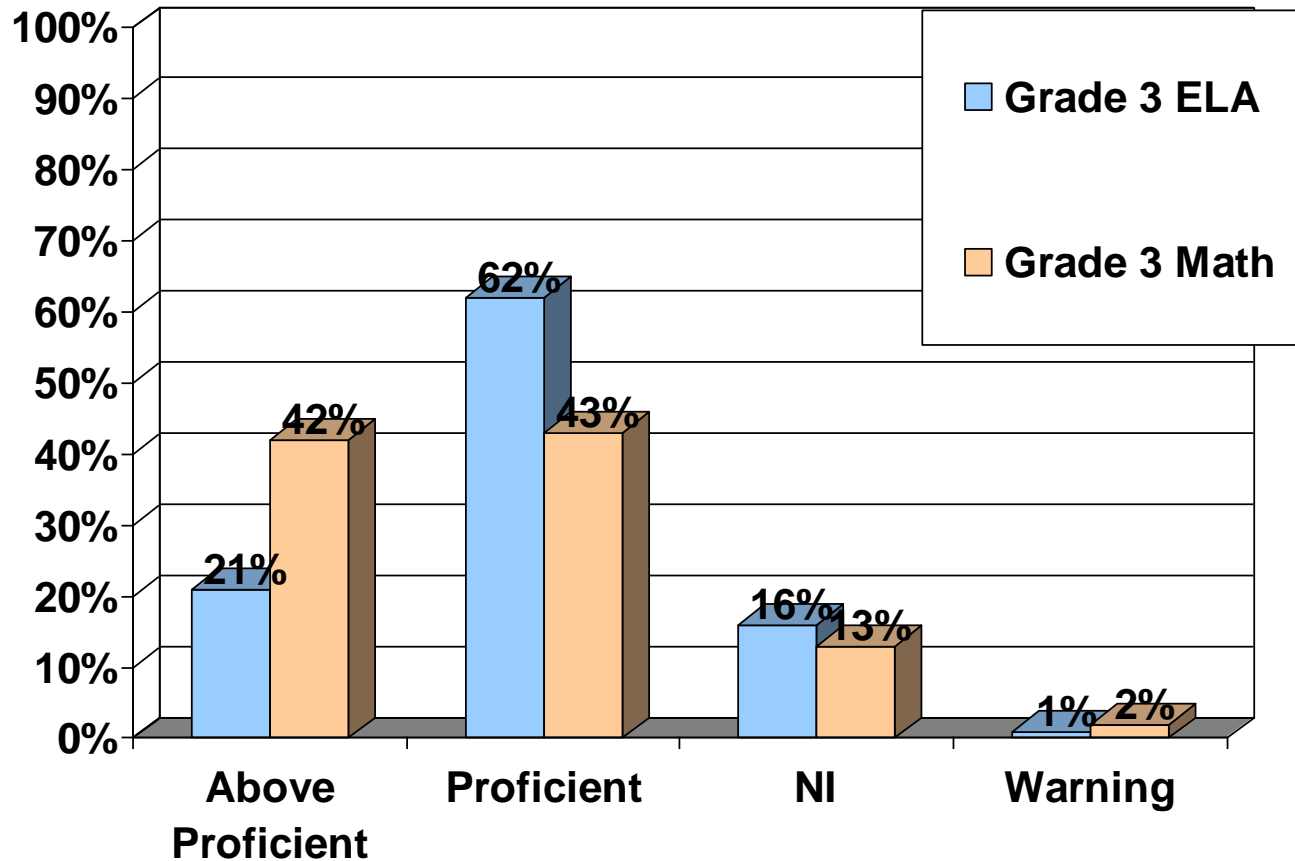
# Grade 3 Reading Composite Performance Index 2010



# Grade 3 Math Composite Performance Index 2010



# Class of 2019 (Present Grade 4) Performance Level Distribution



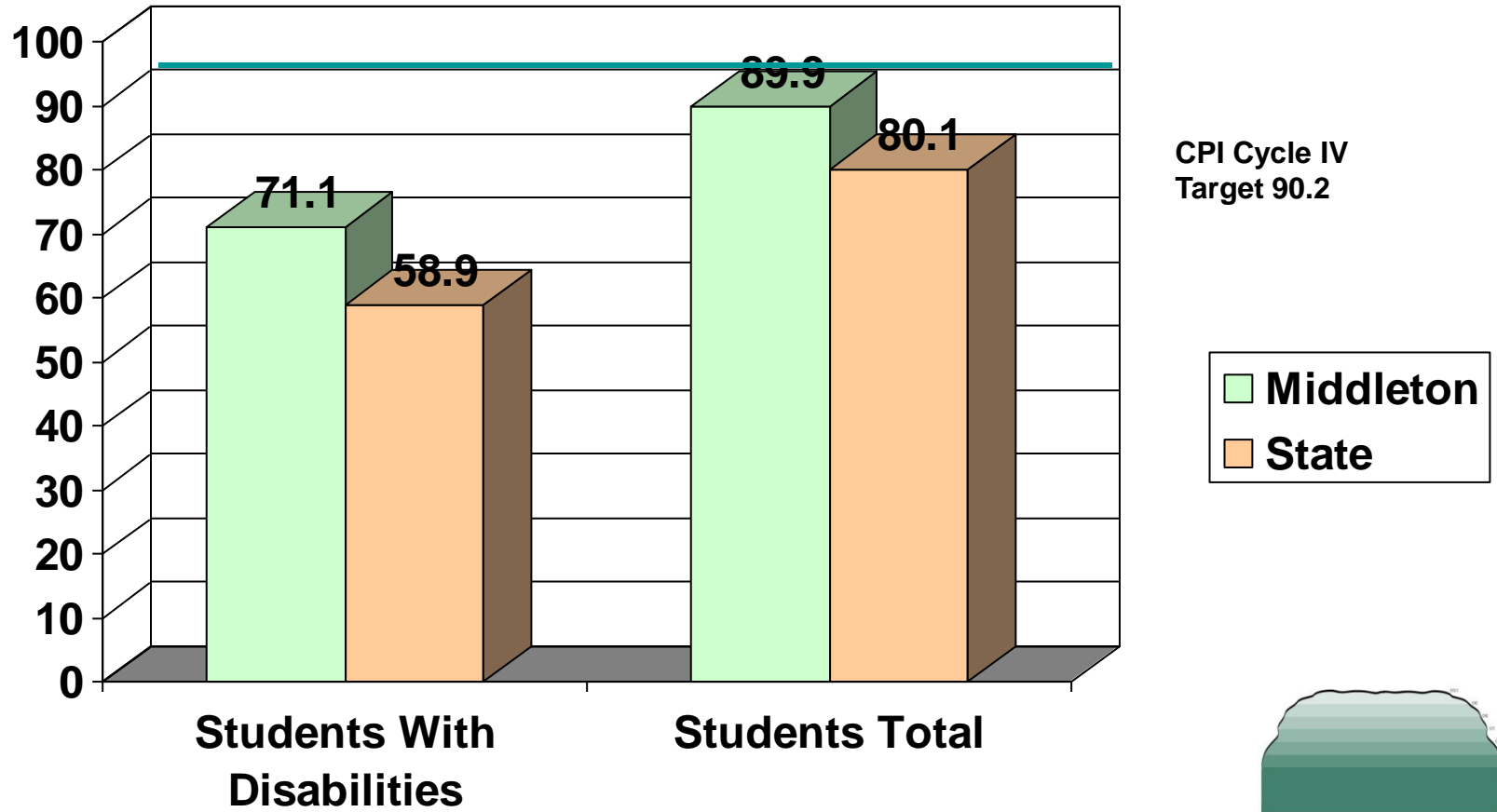
# **Grade 4 Results 2010**

**Class of 2018**  
**Current Grade 5**

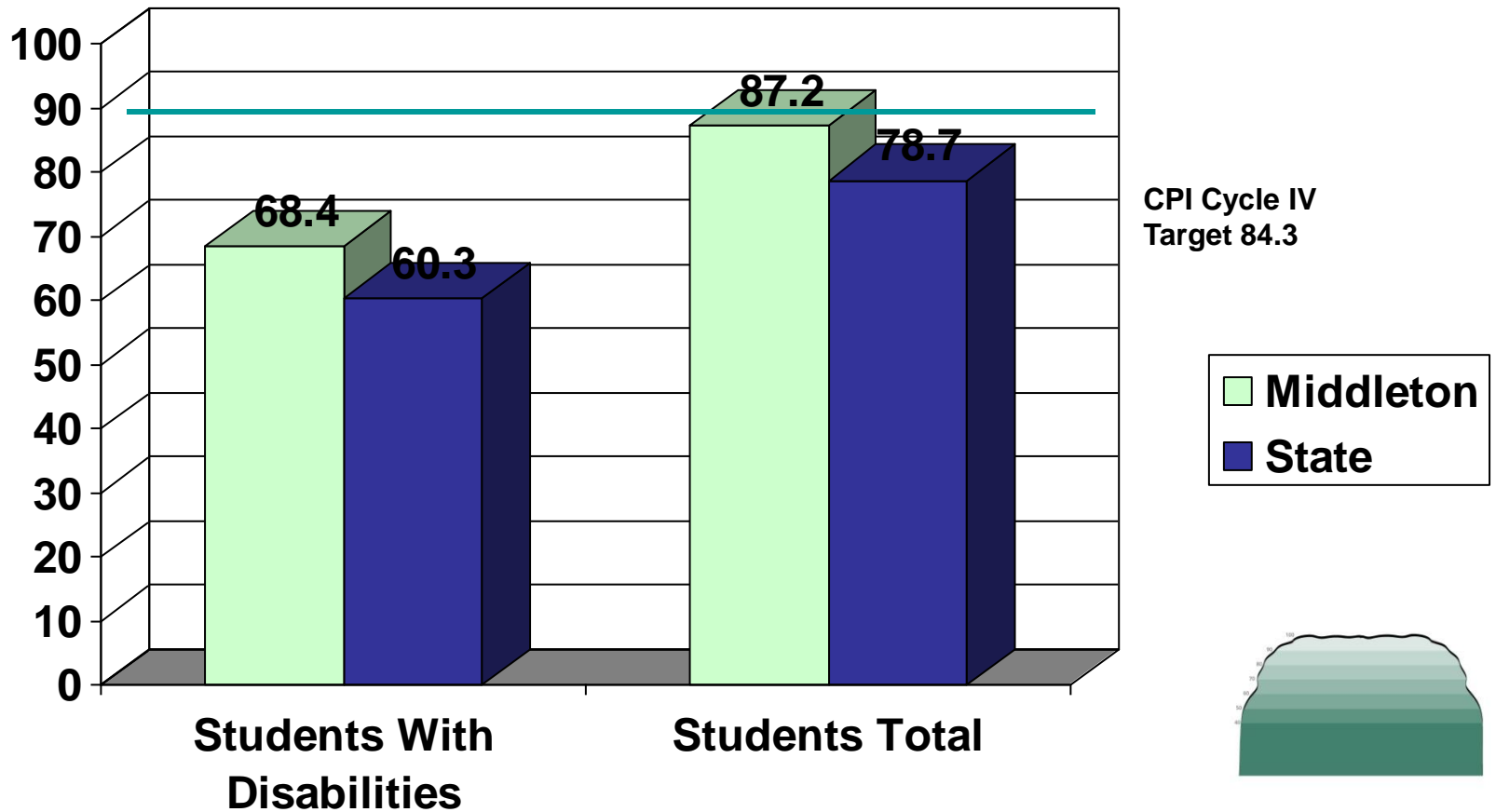
## Current Grade 5 Class (2018)

<b>English Language Arts</b>	<b>Composite Performance Index (Maximum =100)</b>	<b>Mathematics</b>	<b>Composite Performance Index (Maximum=100)</b>
<b>Grade 3: State Rank #45</b>	<b>92.4</b>	<b>Grade 3: State Rank #14</b>	<b>95.1</b>
<b>Grade 4: State Rank #54</b>	<b>89.9</b>	<b>Grade 4: State Rank #71</b>	<b>87.2</b>

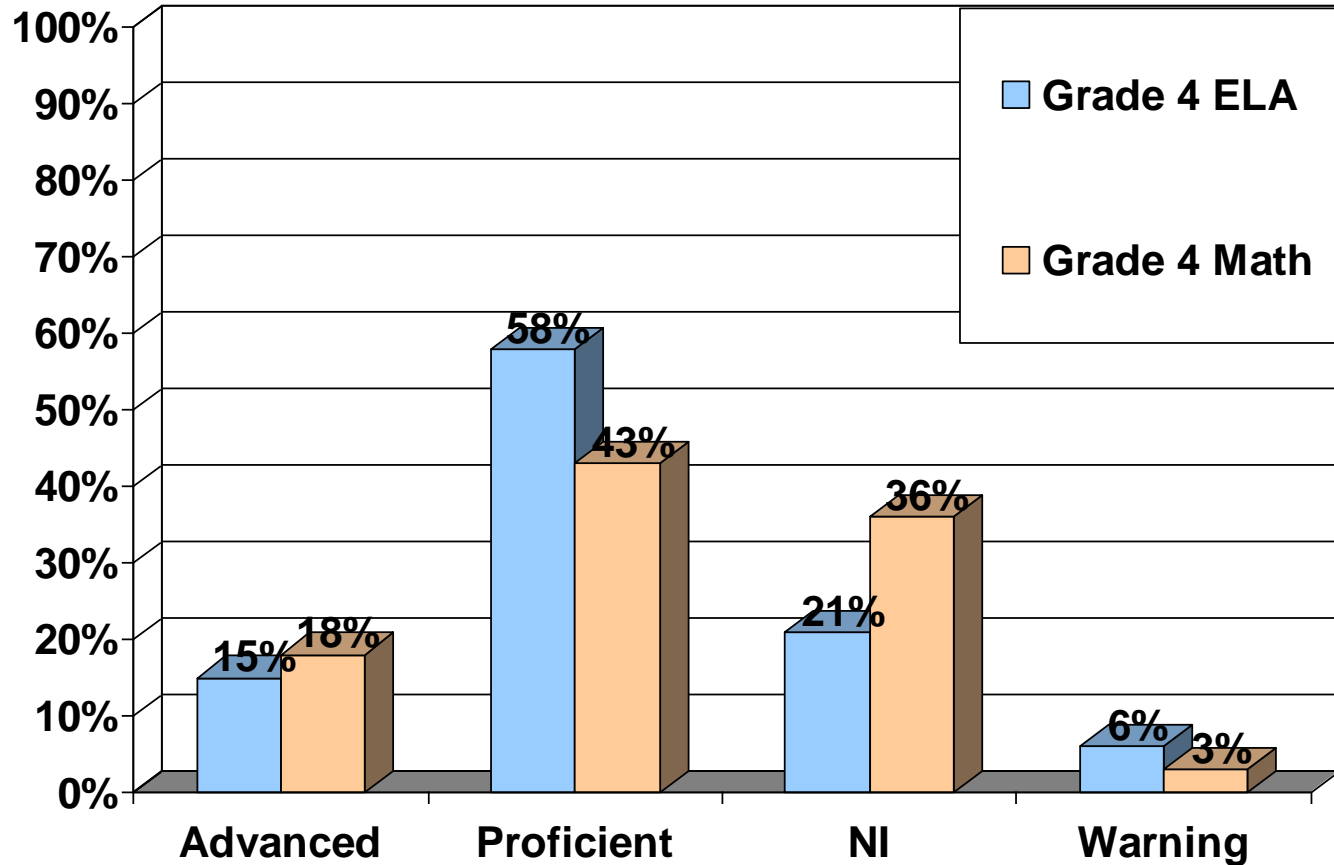
# Grade 4 ELA Composite Performance Index 2010



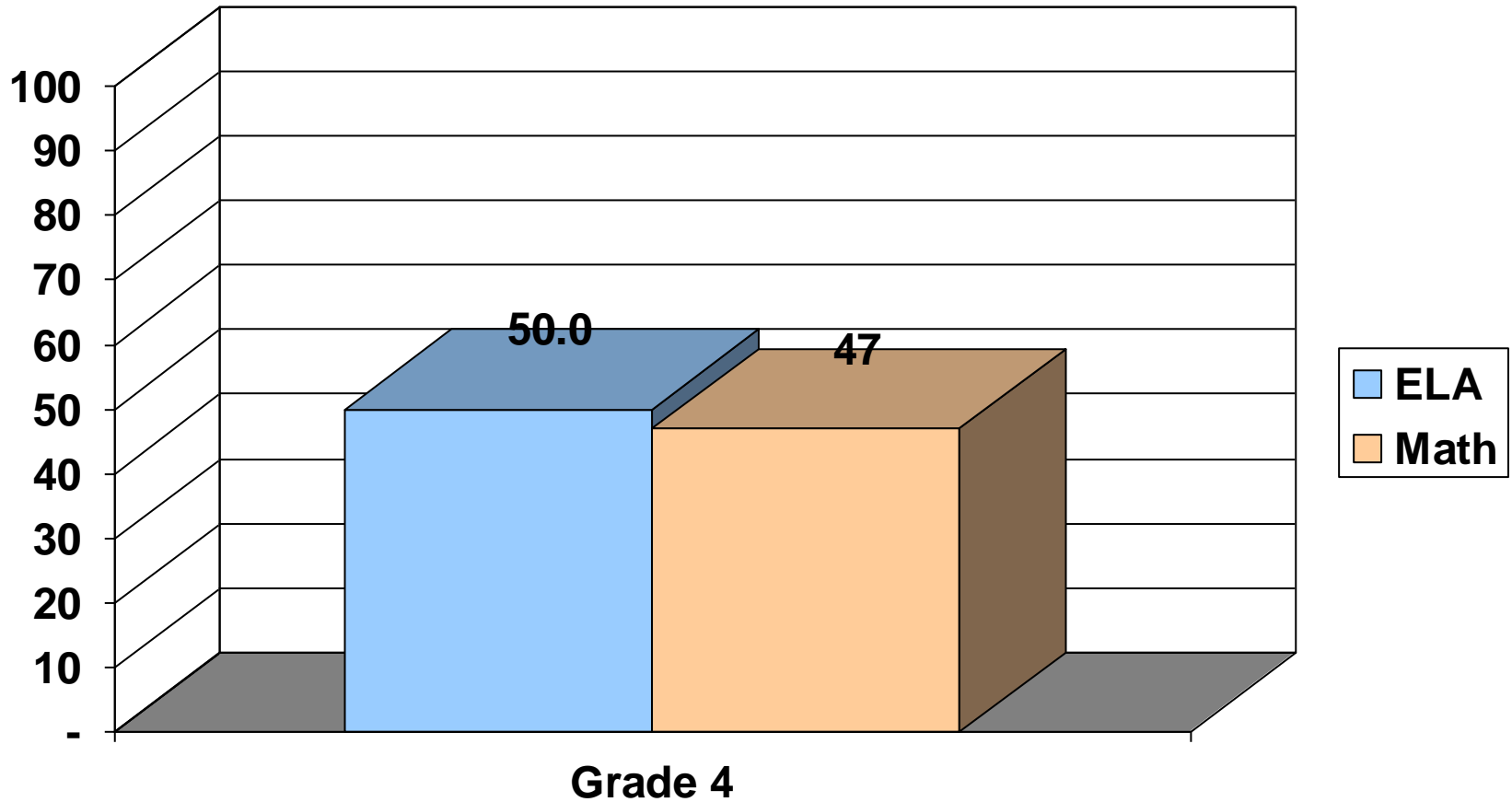
# Grade 4 Math Composite Performance Index 2010



# Class of 2018 (Present Grade 5) Performance Level Distribution



# Grade 4 Median Student Growth Percentile (SGP)



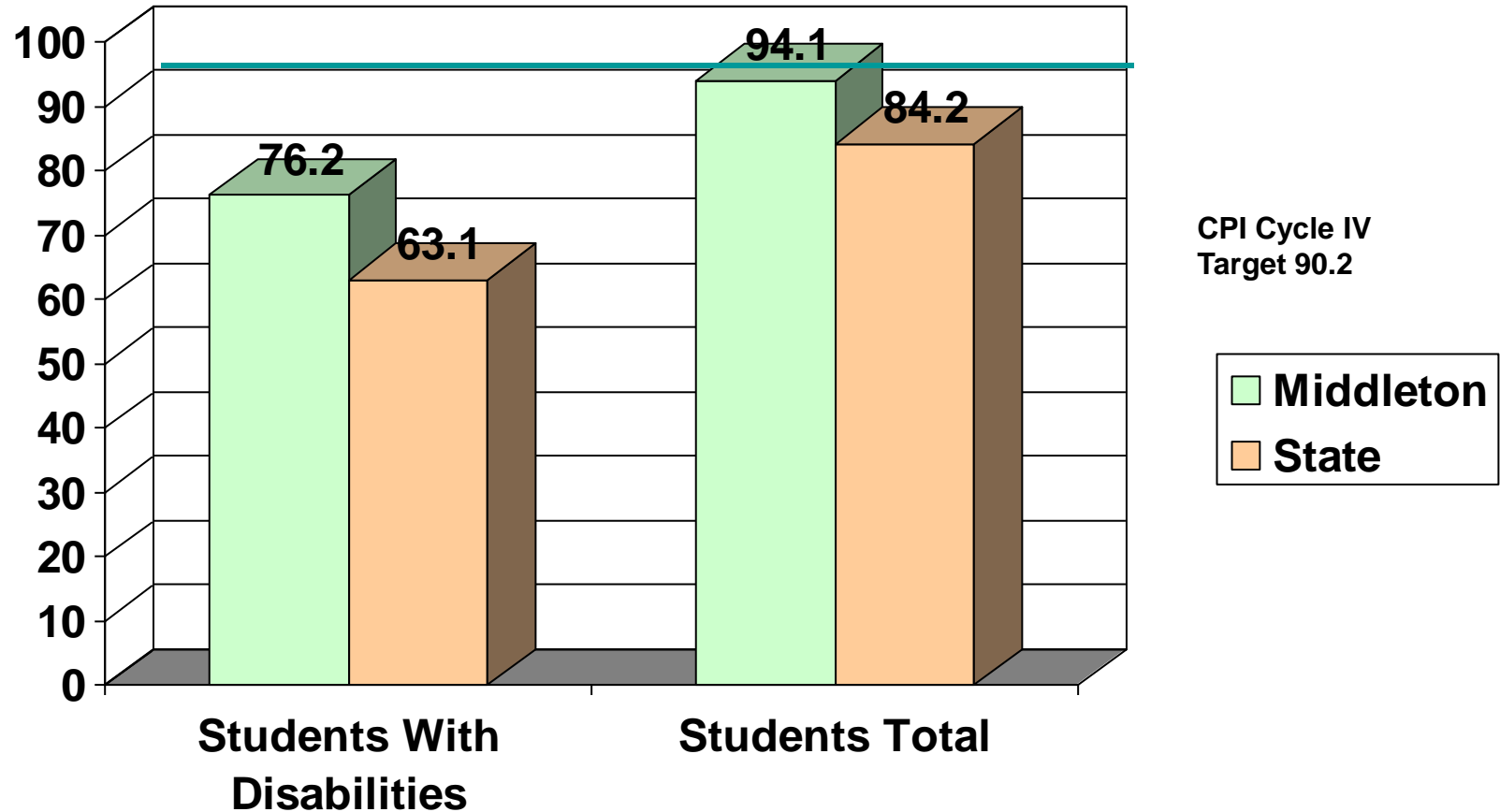
# **Grade 5 Results 2010**

**Class of 2015**  
**Current Grade 6**

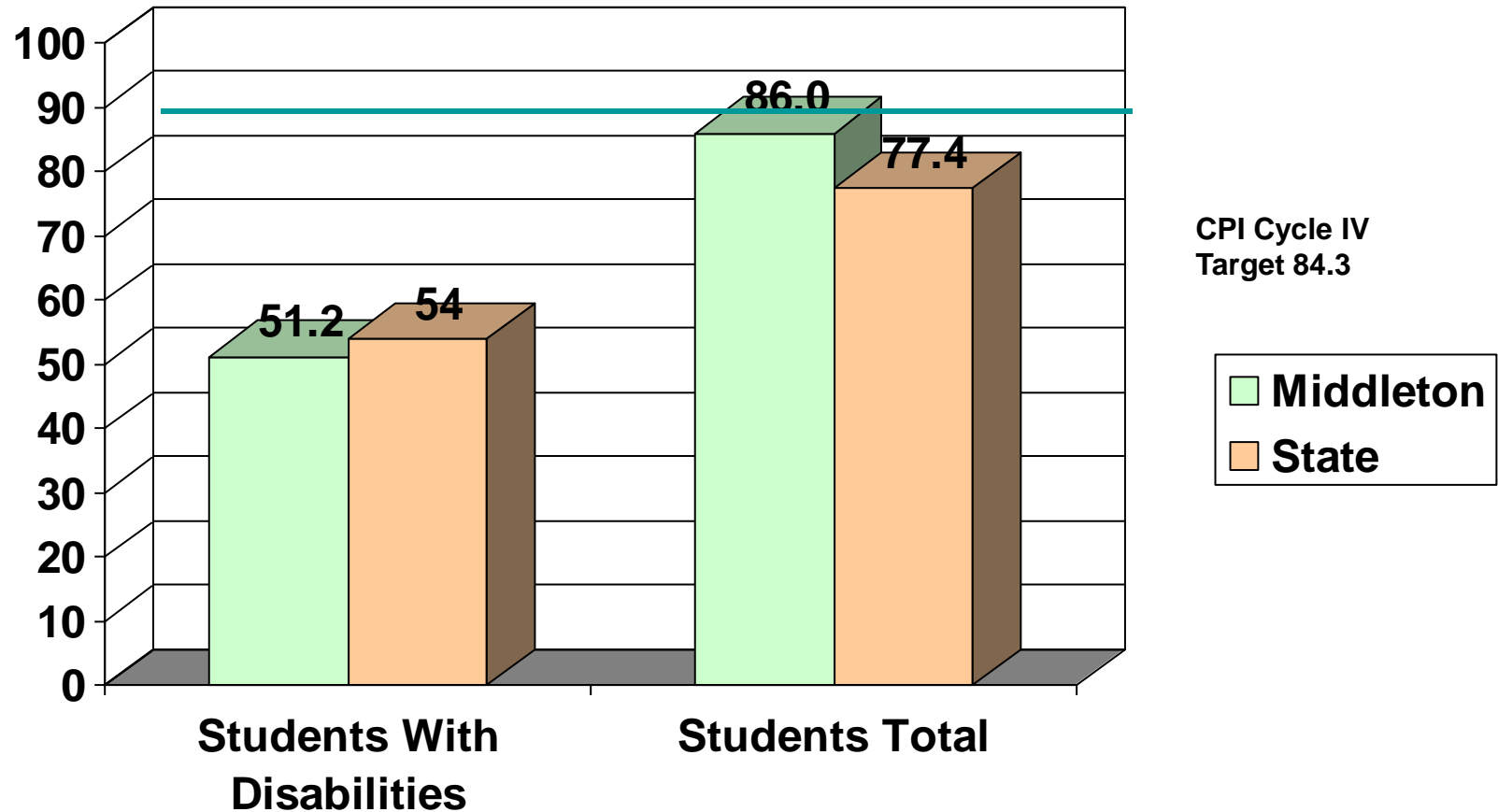
## Current Grade 6 Class (2017)

<b>English Language Arts</b>	<b>Composite Performance Index (Maximum =100)</b>	<b>Mathematics</b>	<b>Composite Performance Index (Maximum=100)</b>
<b>Grade 3: State Rank #89</b>	<b>88.0</b>	<b>Grade 3: State Rank #96</b>	<b>86.5</b>
<b>Grade 4: State Rank #53</b>	<b>89.8</b>	<b>Grade 4: State Rank #85</b>	<b>86.2</b>
<b>Grade 5: State Rank #31</b>	<b>94.1</b>	<b>Grade 5: State Rank #72</b>	<b>86.0</b>

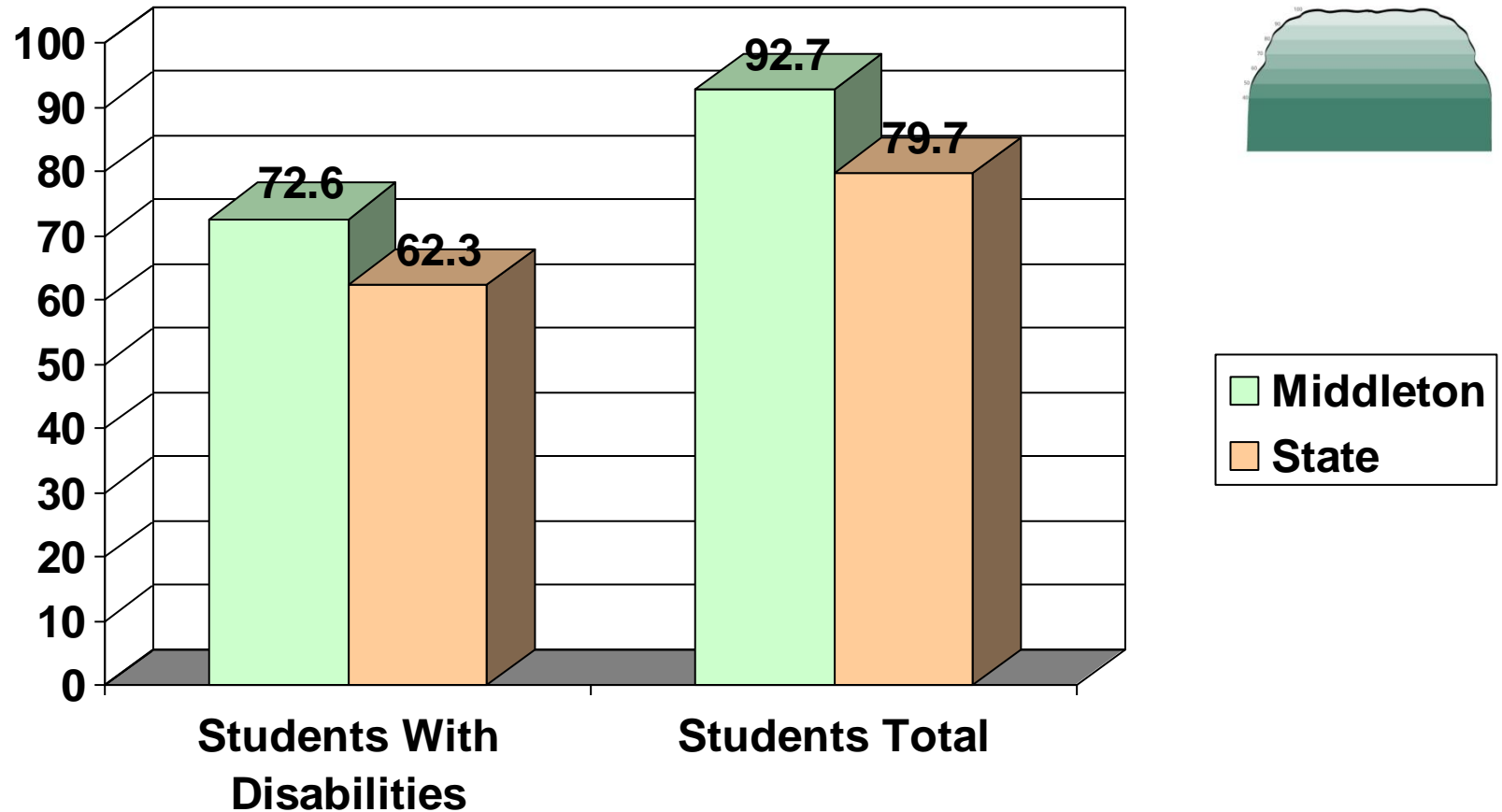
# Grade 5 English Language Arts Composite Performance Index 2010



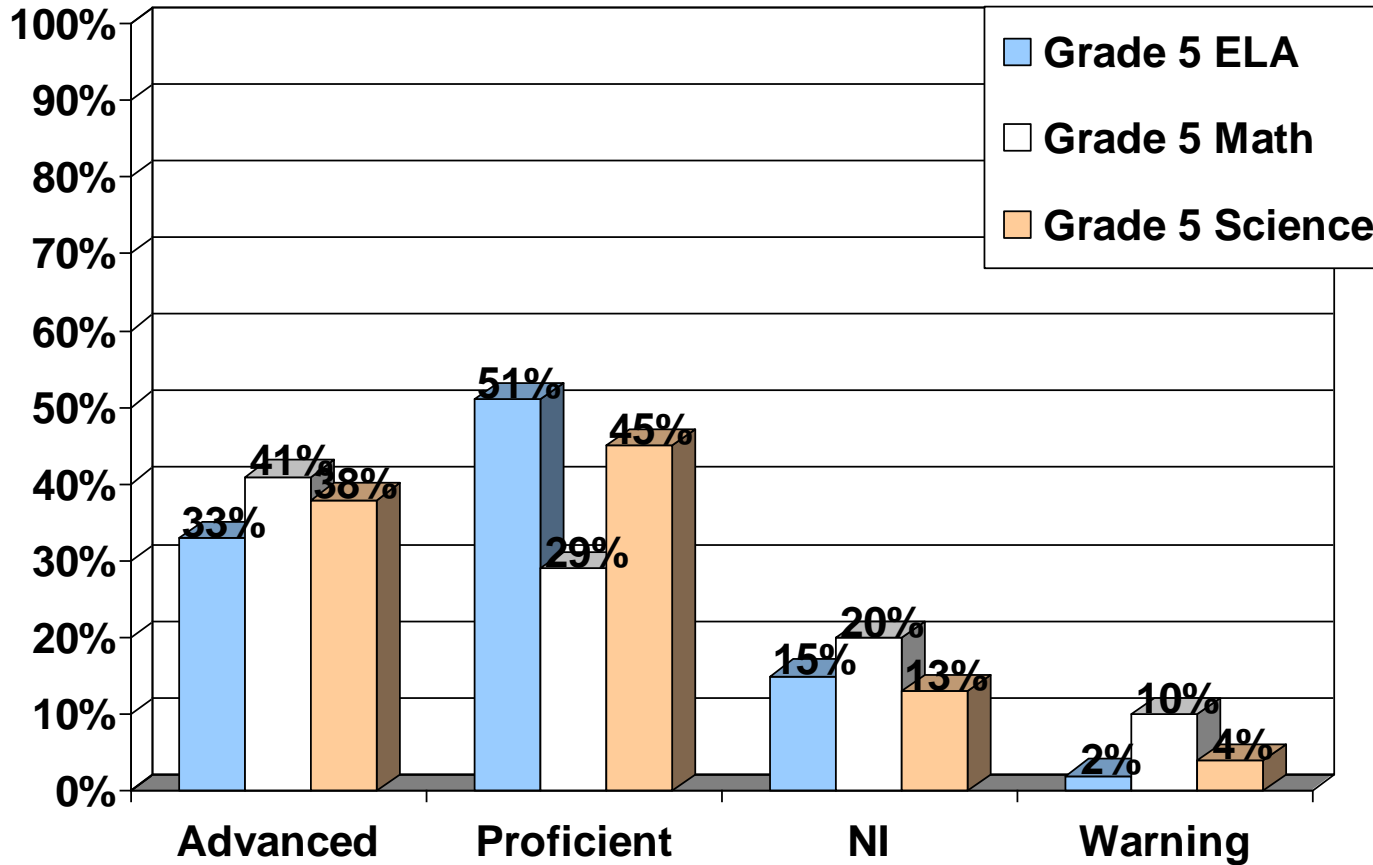
# Grade 5 Mathematics Composite Performance Index 2010



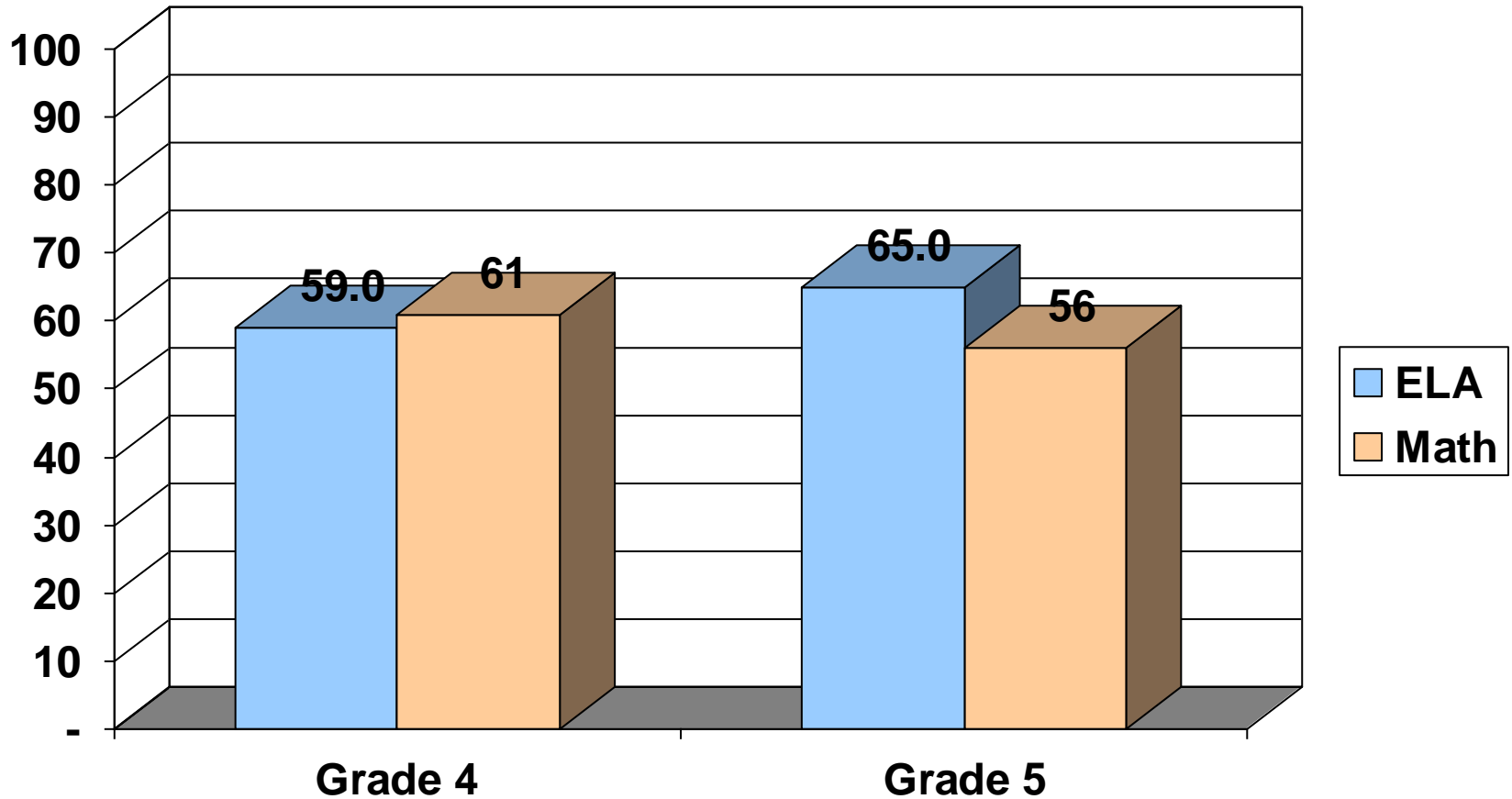
# Grade 5 Science and Technology Composite Performance Index 2010



# Class of 2017 (Present Grade 6) Performance Level Distribution



# Grade 5 Median Student Growth Percentile (SGP)



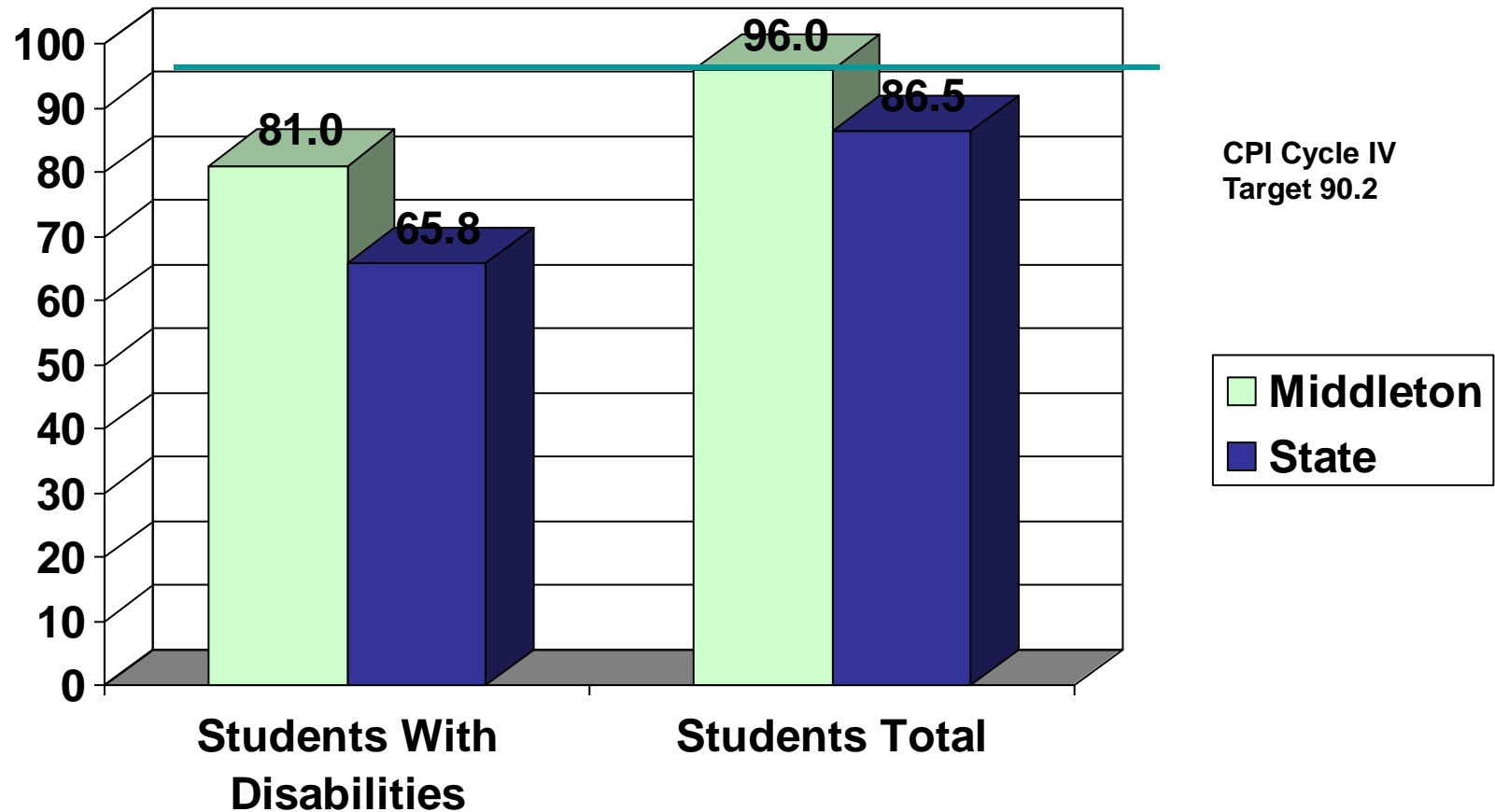
# Grade 6 Results 2010

**Class of 2014**  
**Current Grade 7**

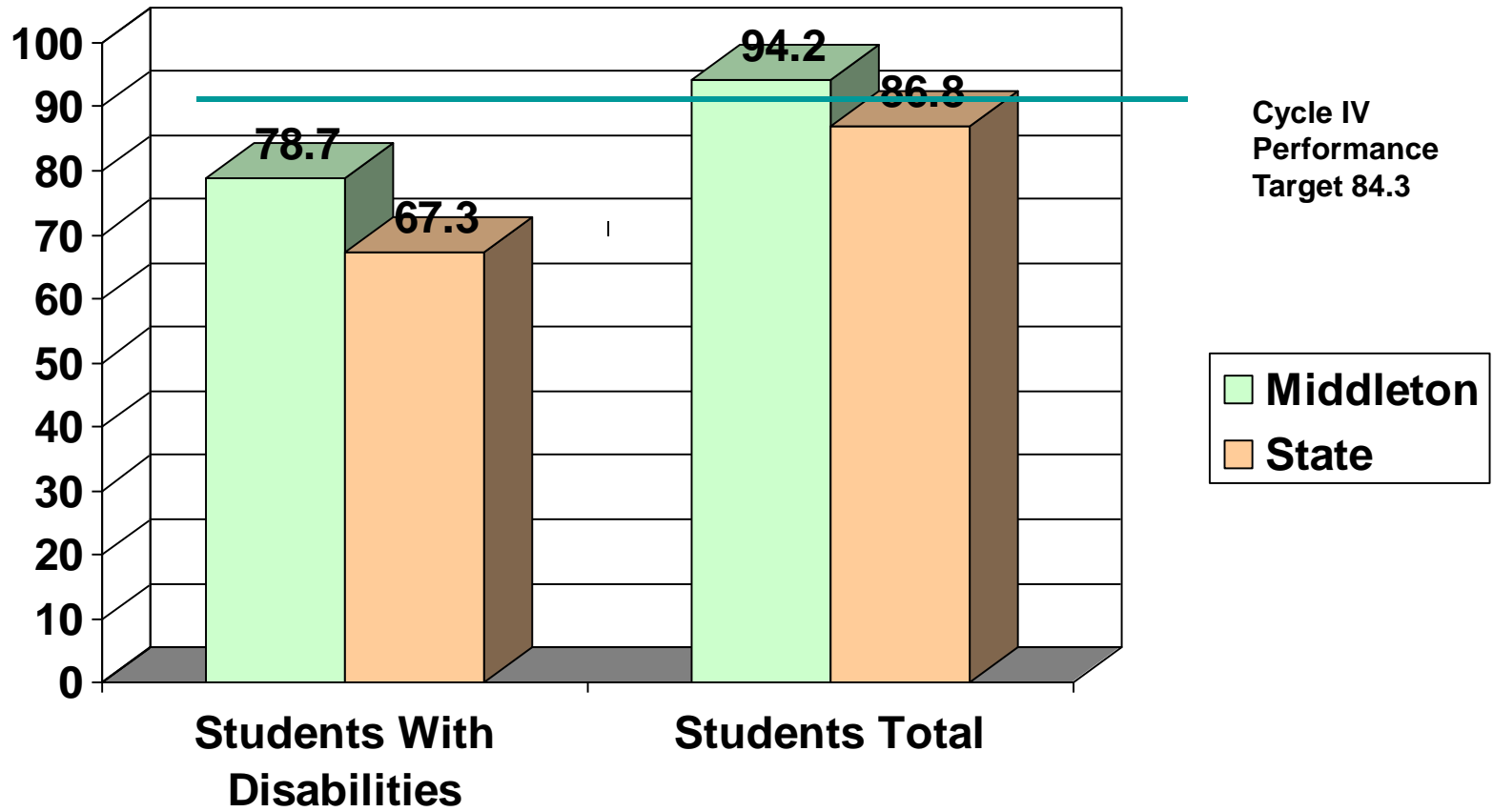
## Current Grade 7 Class (2016)

<b>English Language Arts</b>	<b>Composite Performance Index (Maximum =100)</b>	<b>Mathematics</b>	<b>Composite Performance Index (Maximum=100)</b>
<b>Grade 3: State Rank #19</b>	<b>91.5</b>	<b>Grade 3: State Rank #43</b>	<b>90.7</b>
<b>Grade 4: State Rank #33</b>	<b>88.6</b>	<b>Grade 4: State Rank #25</b>	<b>90.3</b>
<b>Grade 5: State Rank #49</b>	<b>93.3</b>	<b>Grade 5: State Rank #57</b>	<b>86.6</b>
<b>Grade 6: State Rank #45</b>	<b>96.0</b>	<b>Grade 6: State Rank #26</b>	<b>94.2</b>

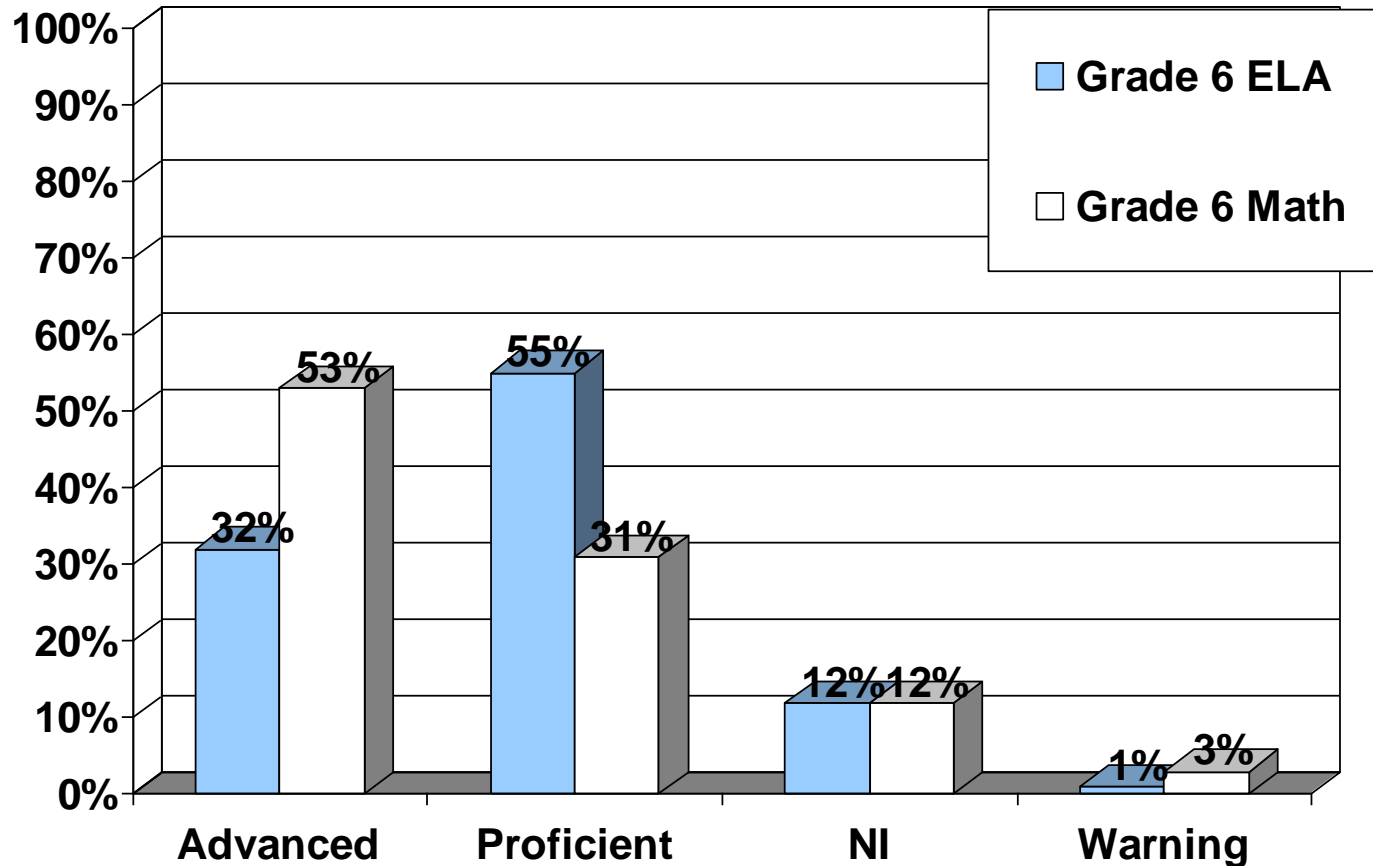
# Grade 6 English Language Arts Composite Performance Index 2010



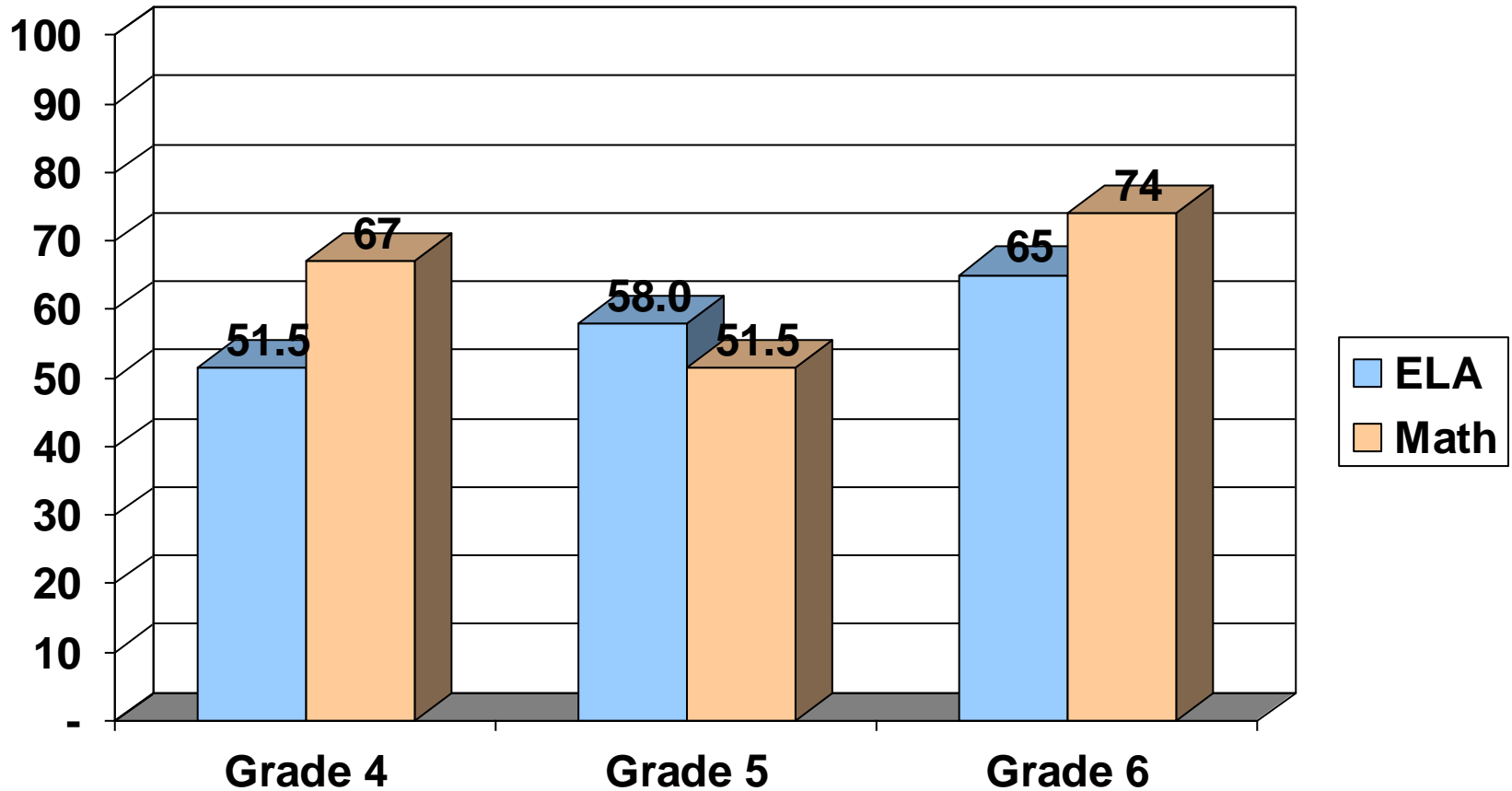
# Grade 6 Math Composite Performance Index 2010



# Class of 2016 (Present Grade 7) Performance Level Distribution



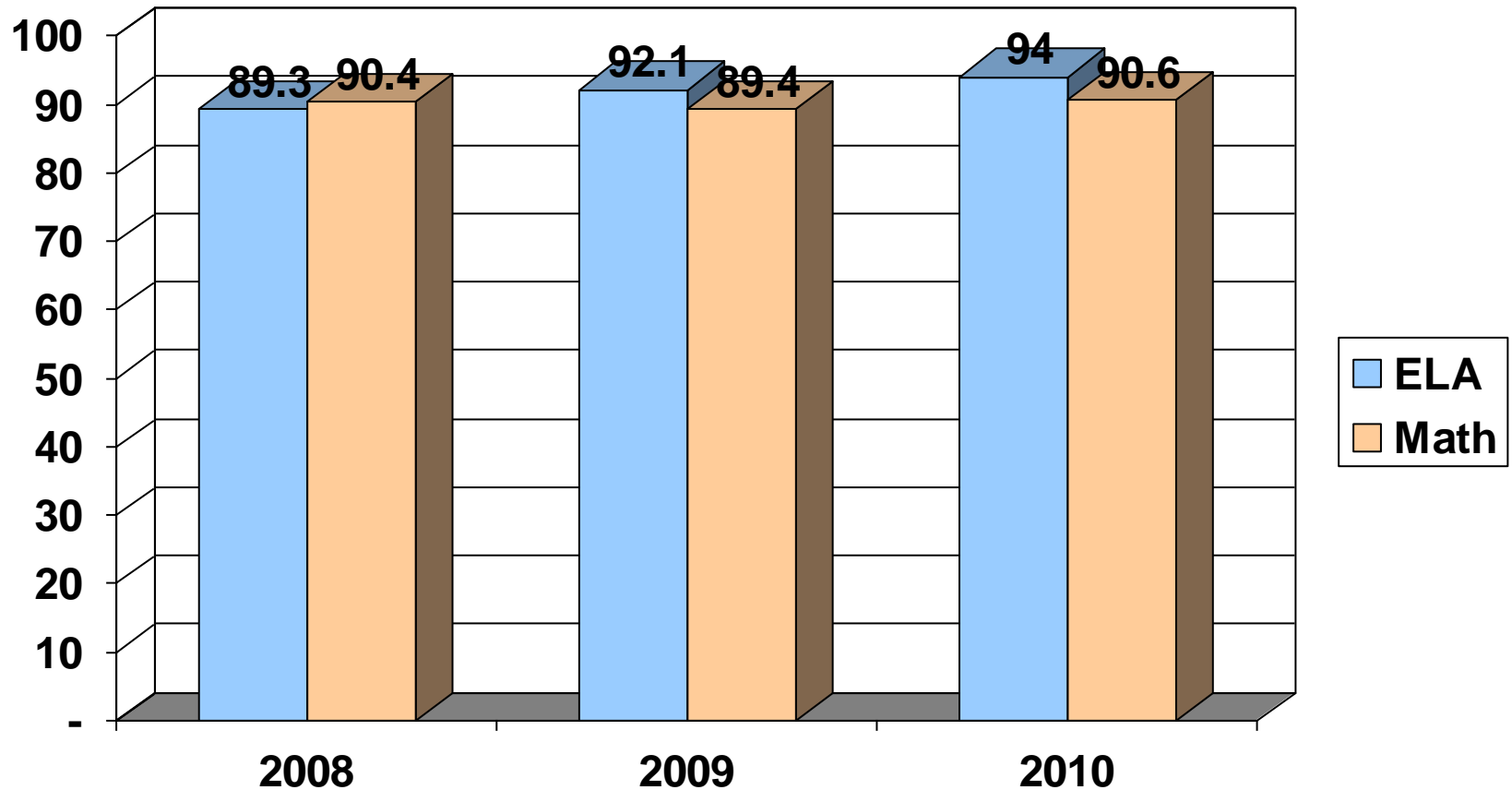
# Grade 6 Median Student Growth Percentile (SGP)



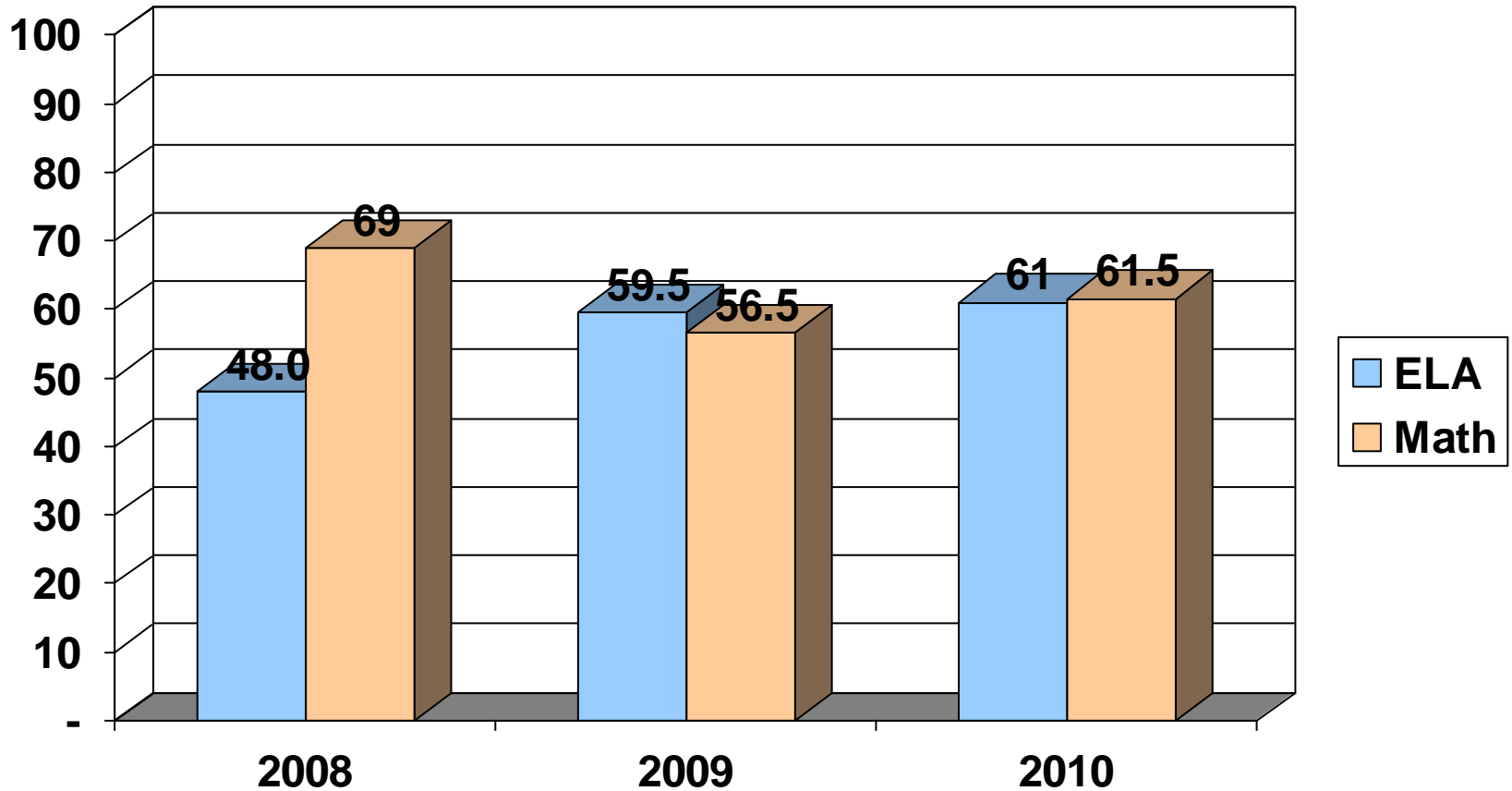
# All Grades Results 2008-2010 ELA and Mathematics

**Composite Performance Index  
And  
Student Growth Percentiles**

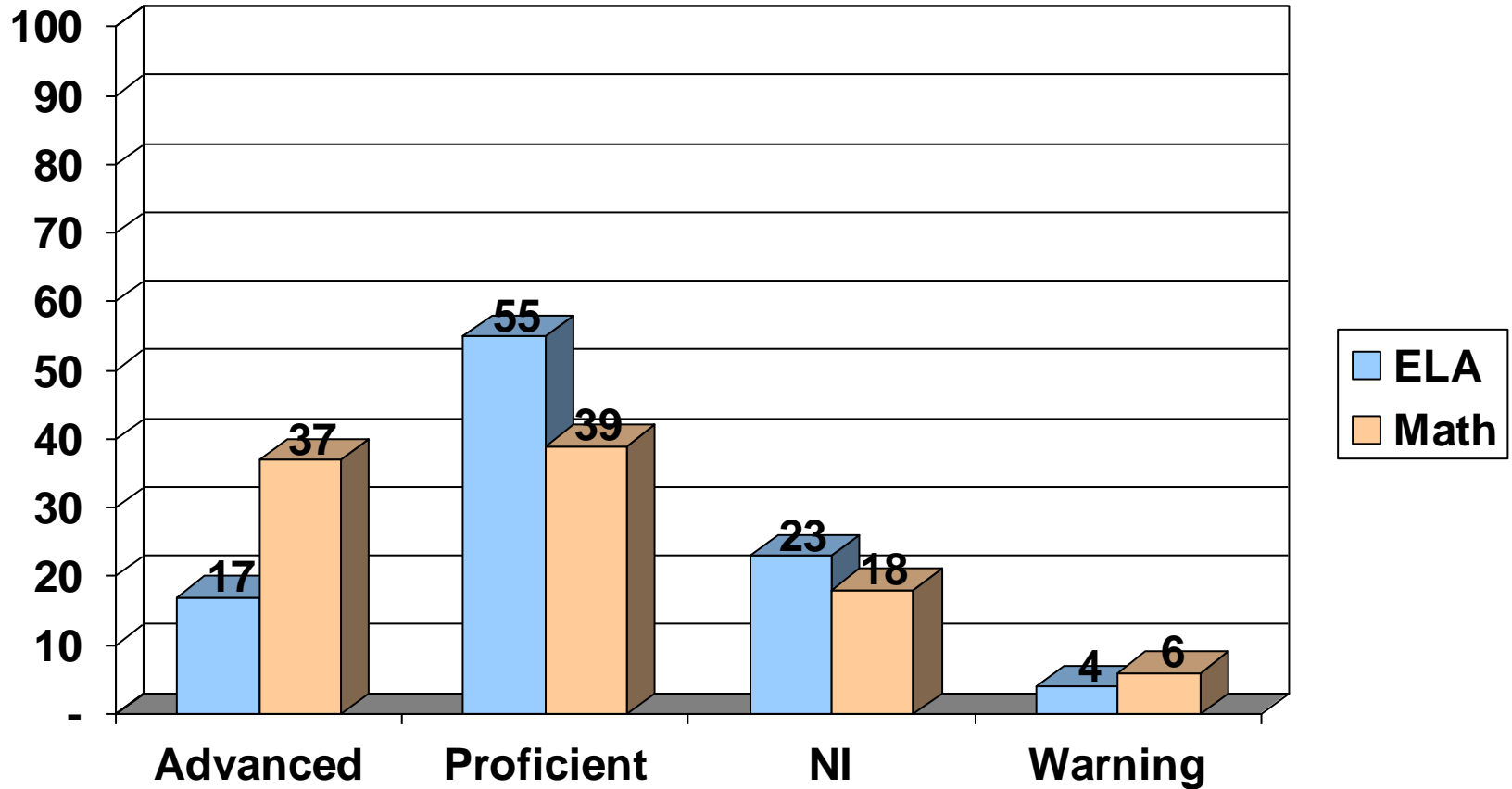
# All Grades Composite Performance Index 2008-2010 ELA and Math



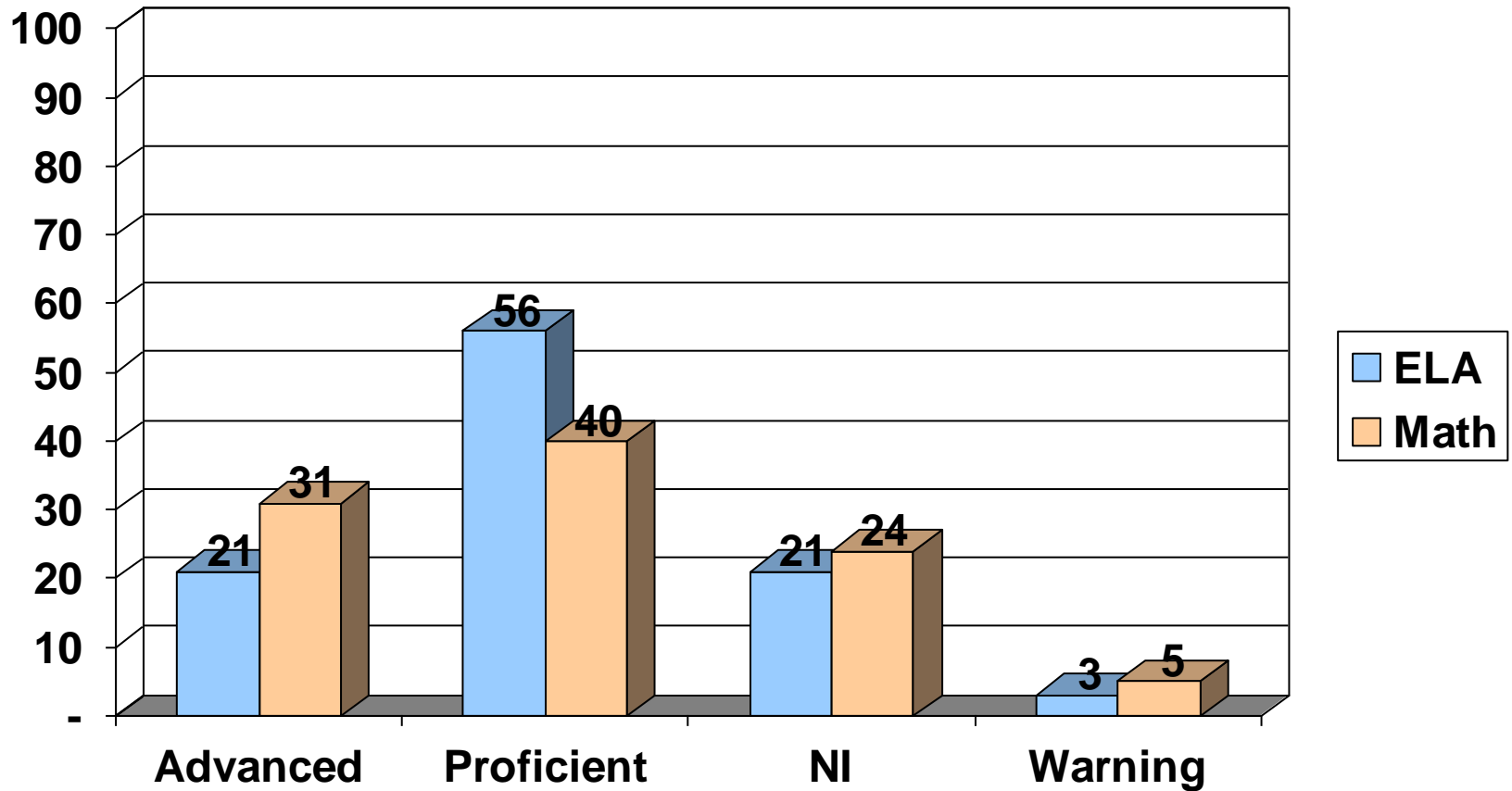
# All Grades Median Student Growth Percentile 2008-2010



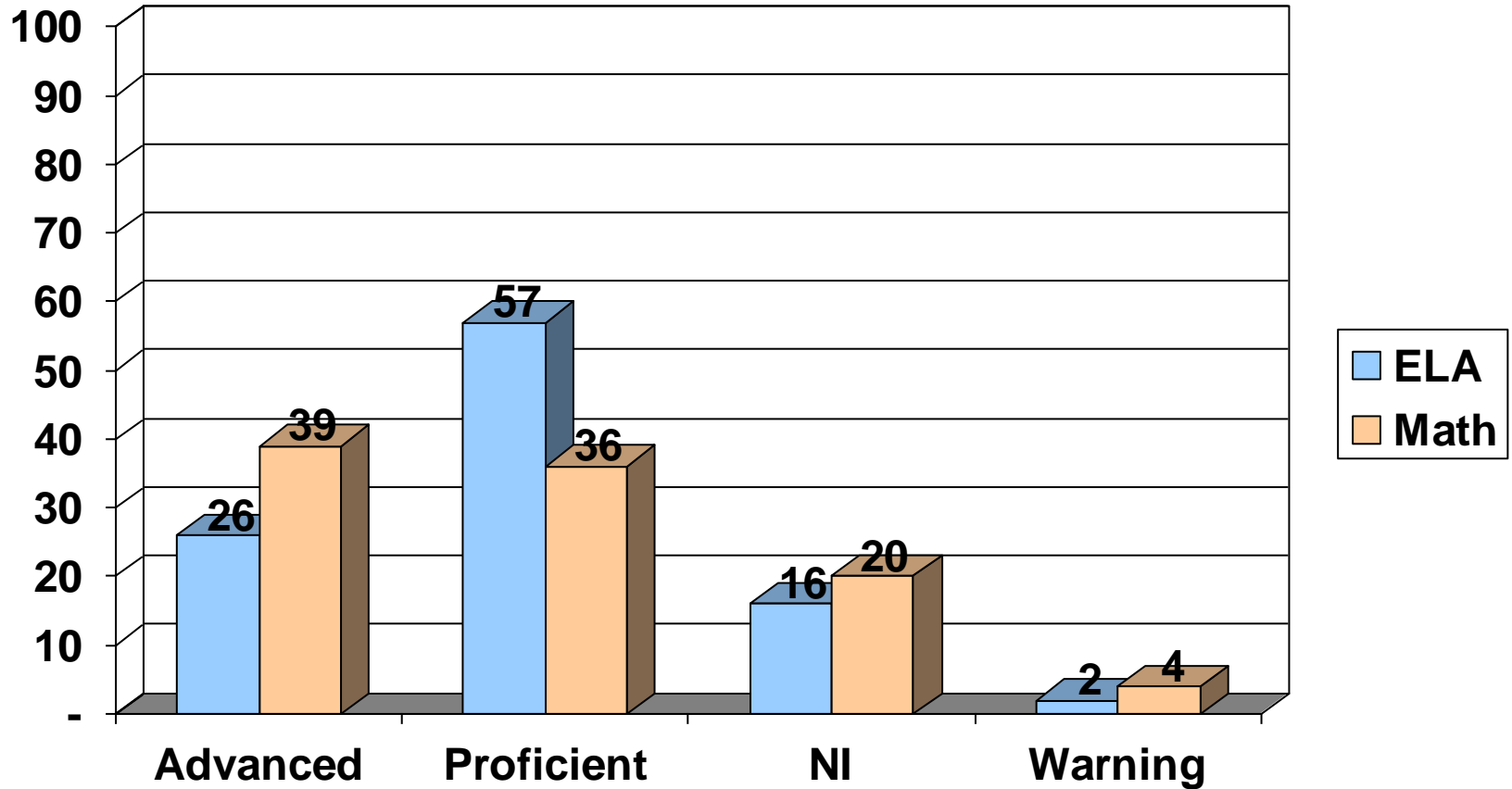
# Percent of Students at Each Performance Level 2008 for All Grades 3-6 in ELA and Mathematics



# Percent of Students at Each Performance Level 2009 for All Grades 3-6



# Percent of Students at Each Performance Level in 2010 for All Grades ELA and Mathematics



# Current Grade 8 and 9 Results for Elementary Years

**Composite Performance Index  
And  
State Rankings**

## Current Grade 8 Class (2015)

English Language Arts	Composite Performance Index (Maximum =100)	Mathematics	Composite Performance Index (Maximum=100)
Grade 3: State Rank <b>#87</b>	<b>87.2</b>	Grade 3: State Rank <b>#120</b>	<b>85.4</b>
Grade 4: State Rank <b>#105</b>	<b>87.1</b>	Grade 4: State Rank <b>#79</b>	<b>85.1</b>
Grade 5: State Rank <b>#150</b>	<b>87.5</b>	Grade 5: State Rank <b>#45</b>	<b>89.4</b>
Grade 6: State Rank <b>#97</b>	<b>93.0</b>	Grade 6: State Rank <b>#75</b>	<b>90.7</b>

## Current Grade 9 Class

English Language Arts	Composite Performance Index (Maximum =100)	Mathematics	Composite Performance Index (Maximum=100)
Grade 3: State Rank <b>#90</b>		<b>NA</b>	<b>NA</b>
Grade 4: State Rank <b>#27</b>	<b>90.5</b>	Grade 4: State Rank <b>#39</b>	<b>86.0</b>
Grade 5: State Rank <b>#63</b>	<b>90.2</b>	Grade 5: State Rank <b>#19</b>	<b>90.2</b>
Grade 6: State Rank <b>#80</b>	<b>93.1</b>	Grade 6: State Rank <b>#5</b>	<b>95.3</b>

# Acknowledgements

- Contributors to this presentation include:
  - Diane Carreiro, Principal Fuller Meadow
  - Betsy Boulanger, Principal Howe Manning
  - Sharon Lyons, Director of Special Education
  - Charlene Malek, Special Education Coordinator
  - Wendy Ryder, Evaluation Team Leader
  - Tim McAndrew, Curriculum Specialist
  - Christine Elliott, Director of Curriculum
  - Classroom Teachers and Specialists