



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 21st-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

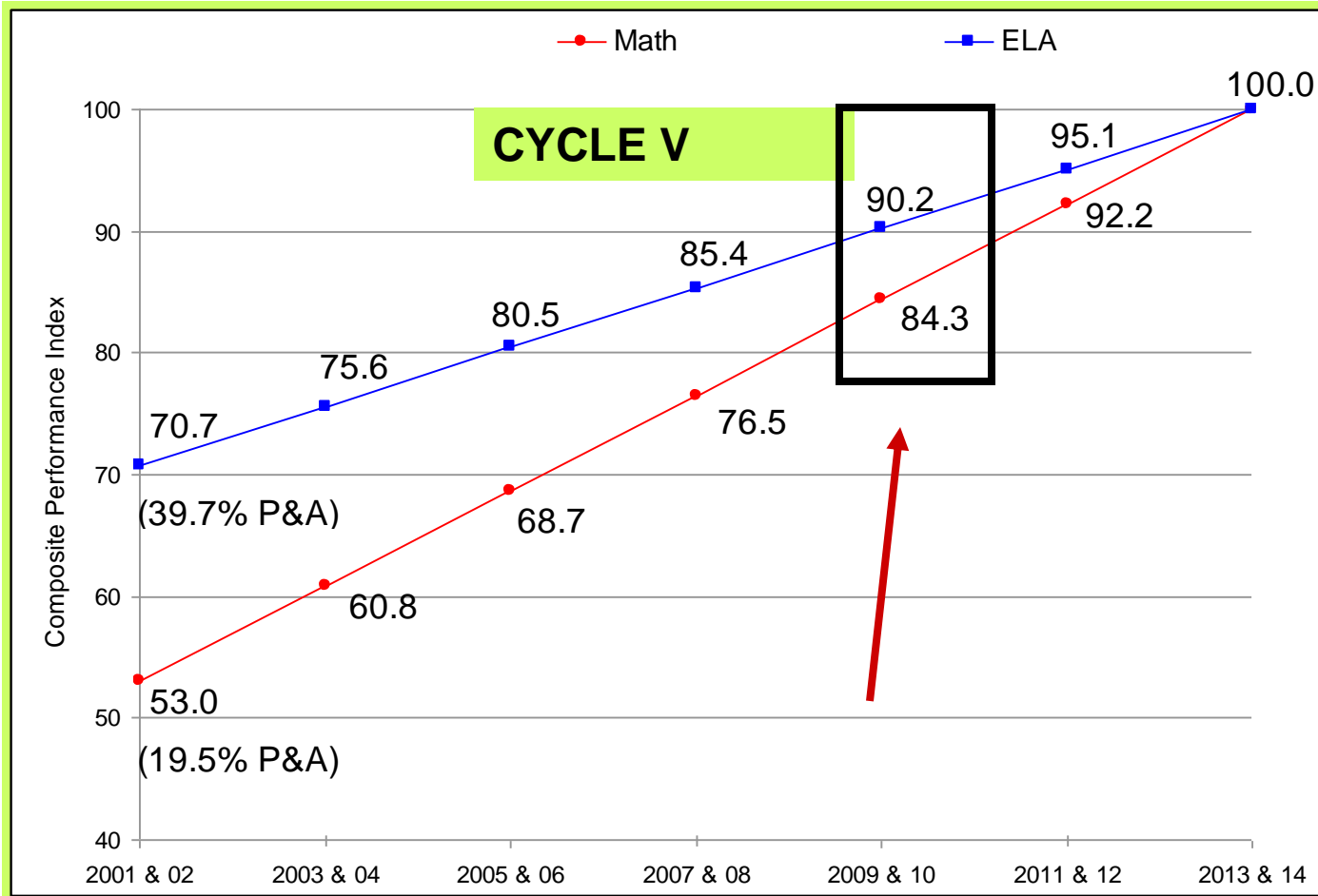
For students taking standard MCAS tests (and MCAS-Alt for students who do <u>not</u> have significant cognitive disabilities)	
MCAS SCALED SCORE (or MCAS-Alt equivalent)	POINTS AWARDED
200 – 208 <i>Failing/Warning – Low (Awareness)</i>	0
210 – 218 <i>Failing/Warning – High (Emerging/Progressing)</i>	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

For students with significant cognitive disabilities taking MCAS-Alt (up to 1% of all assessed students in a district)	
MCAS-ALT SCORE	POINTS AWARDED
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

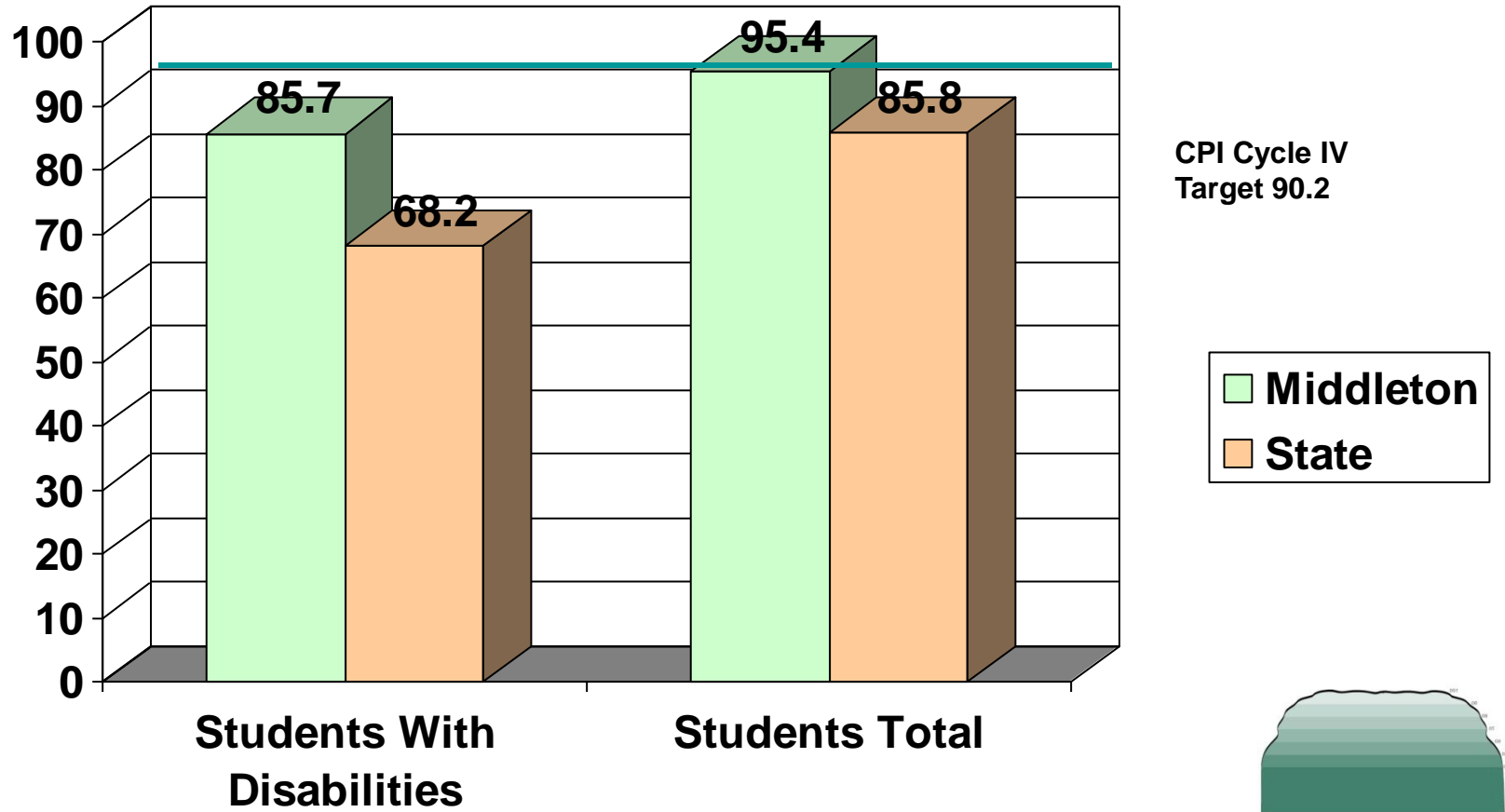
Grade 3 Results 2010

Class of 2019
Current Grade 4

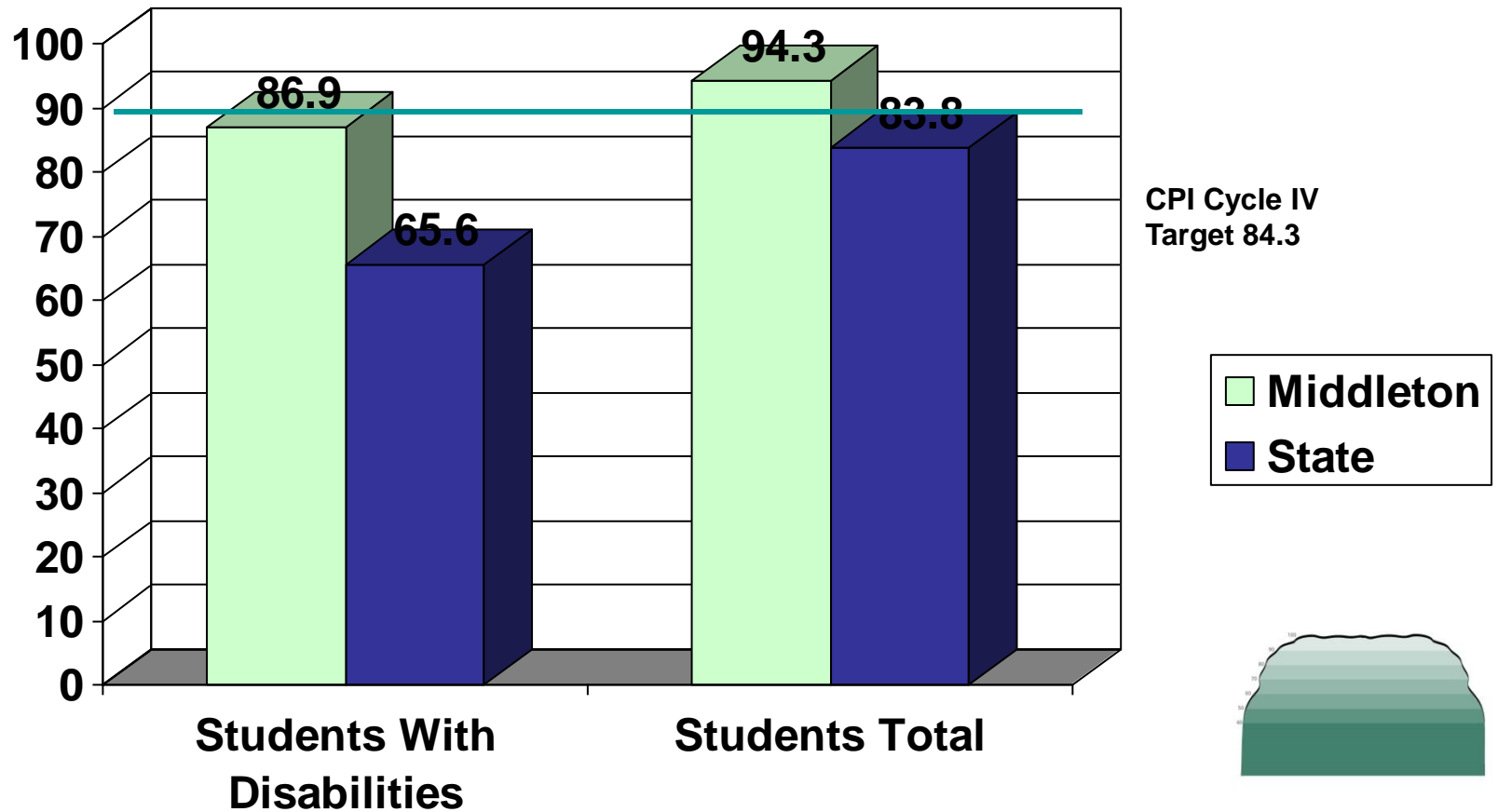
Current Grade 4 Class (2019)

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

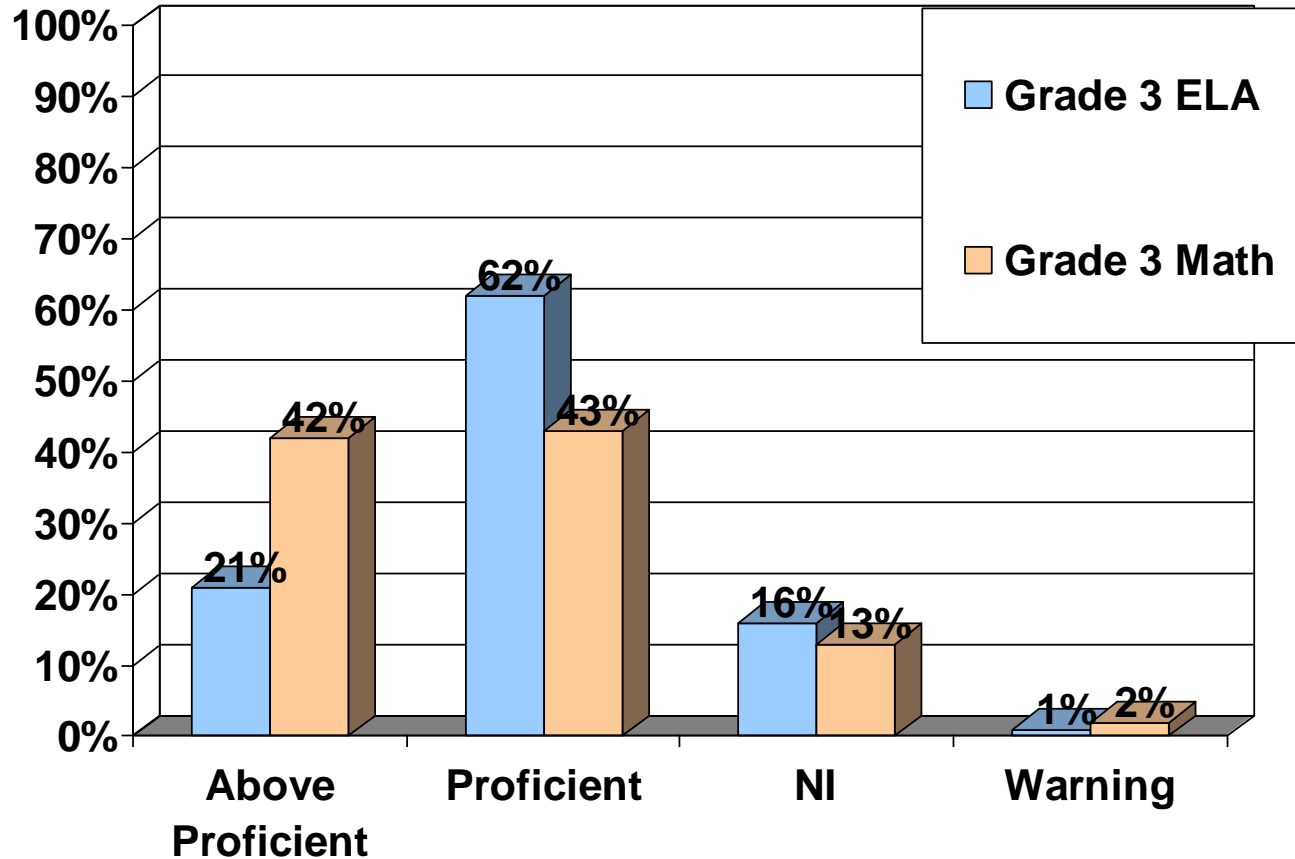
Grade 3 Reading Composite Performance Index 2010



Grade 3 Math Composite Performance Index 2010



Class of 2019 (Present Grade 4) Performance Level Distribution



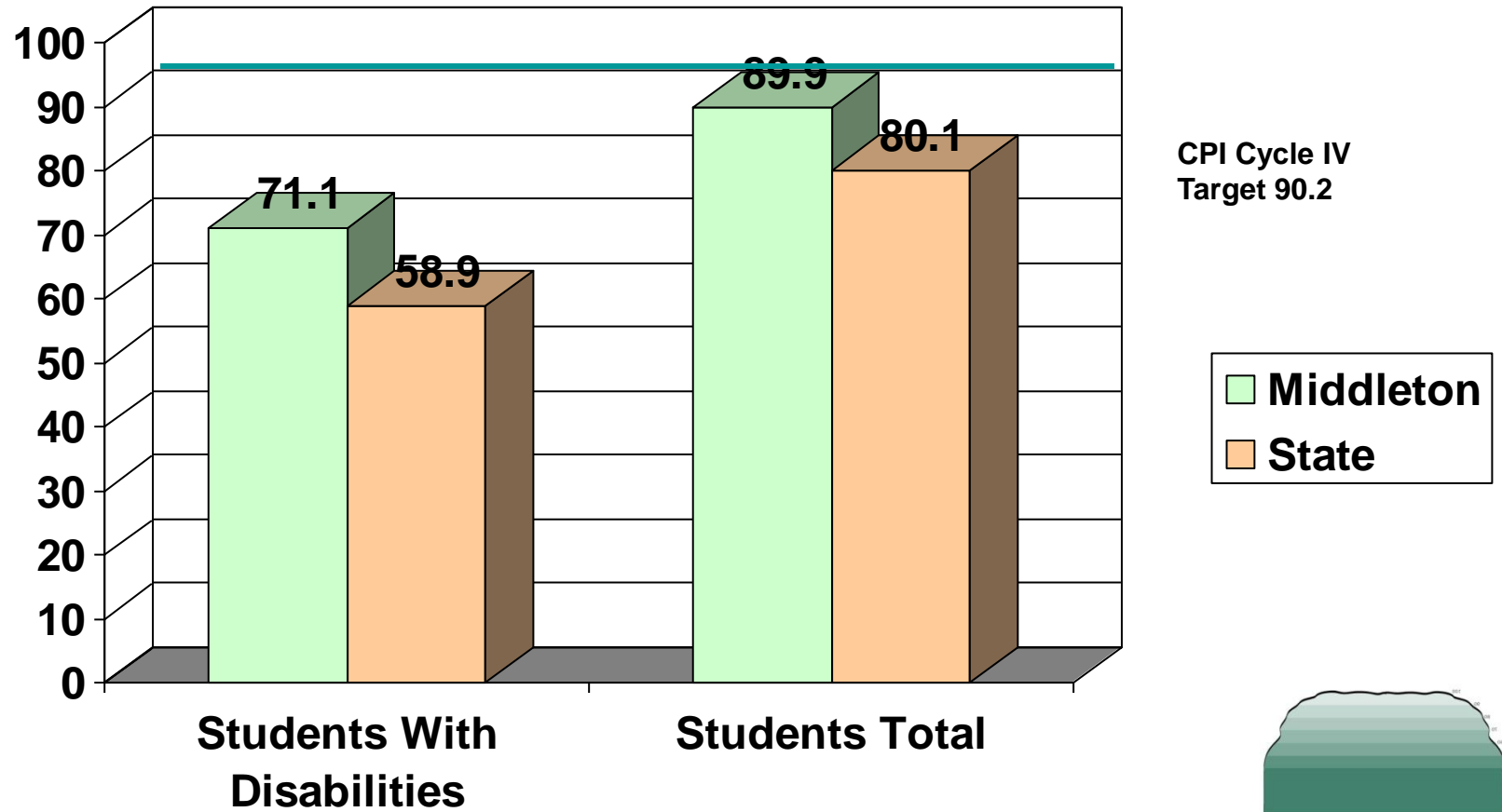
Grade 4 Results 2010

Class of 2018
Current Grade 5

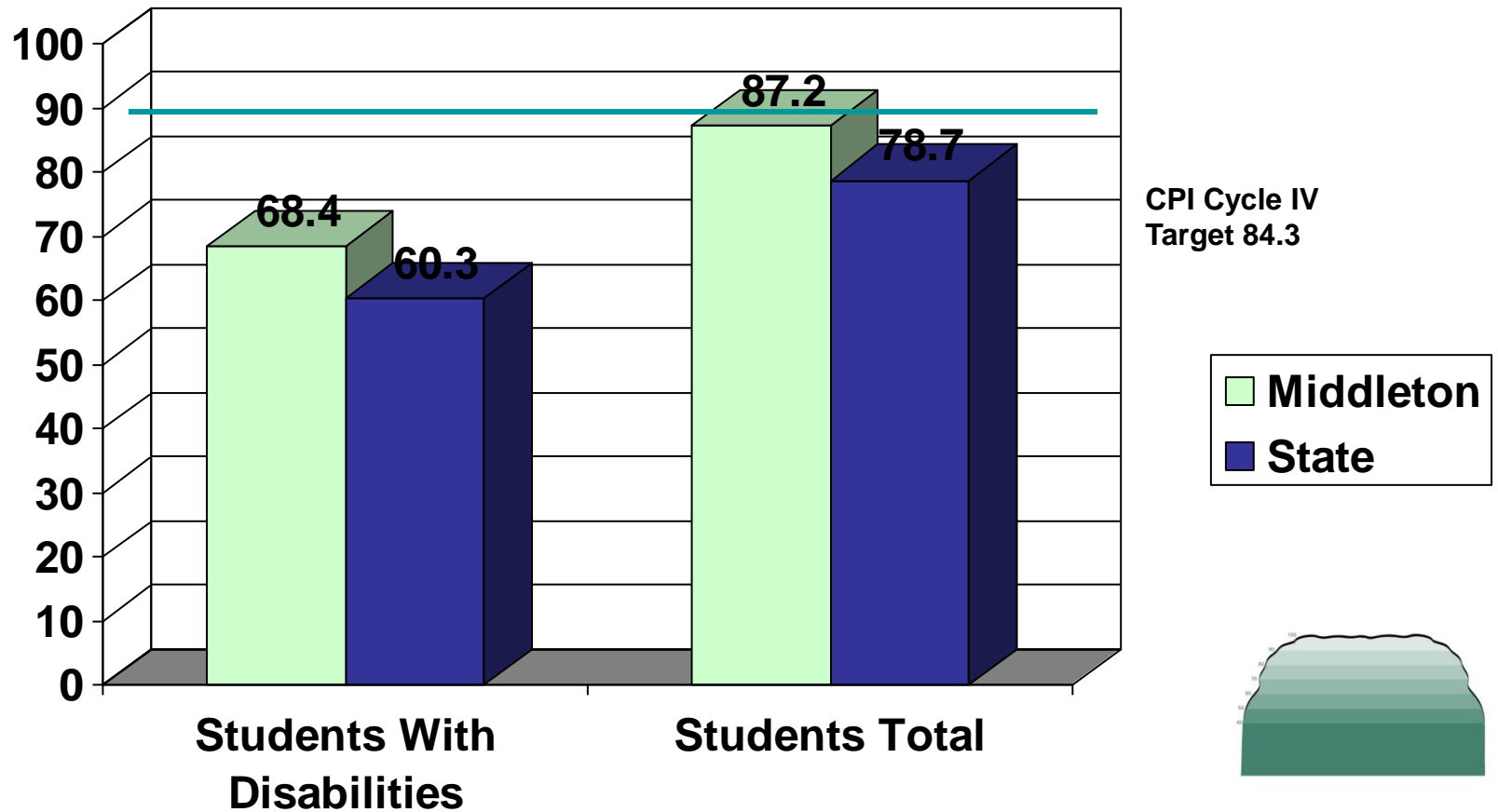
Current Grade 5 Class (2018)

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

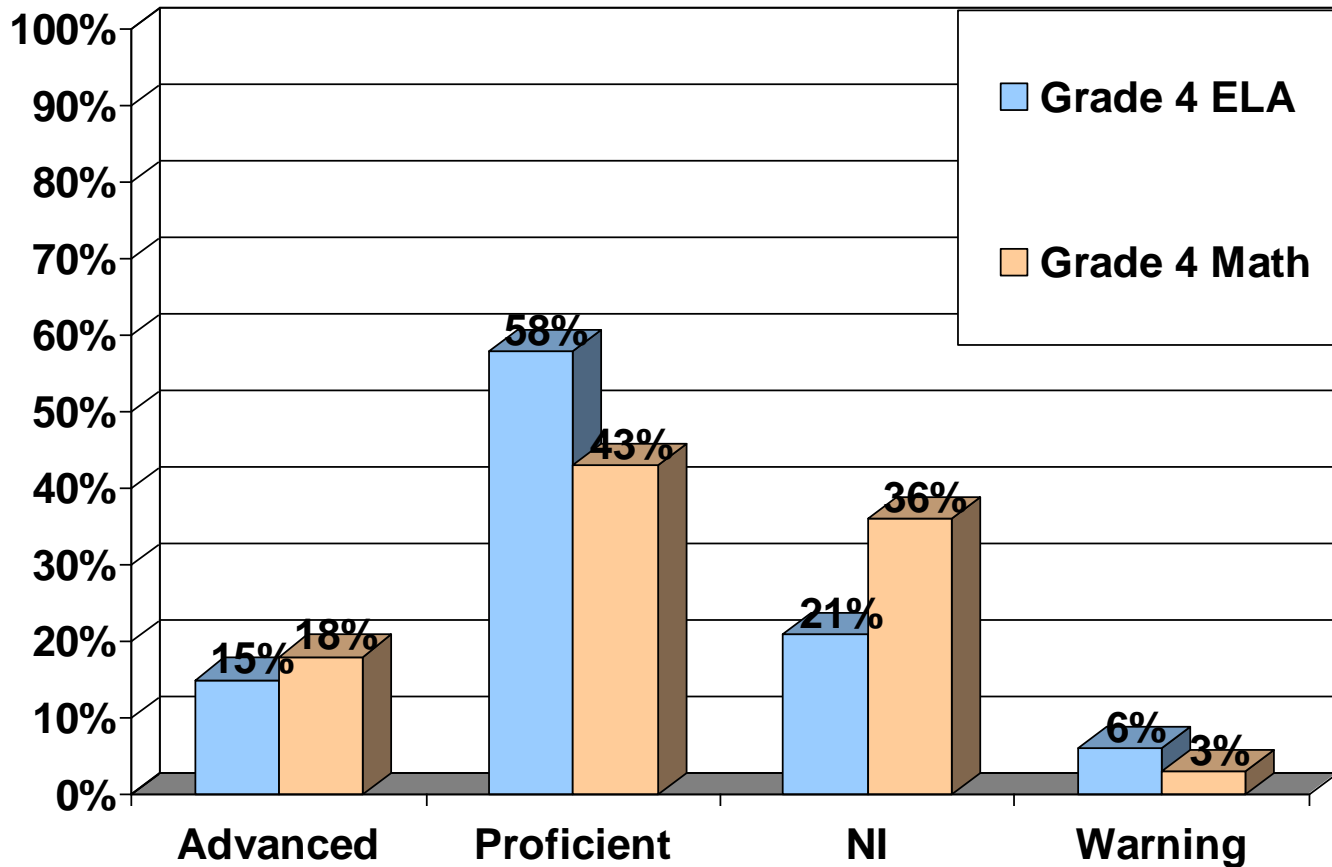
Grade 4 ELA Composite Performance Index 2010



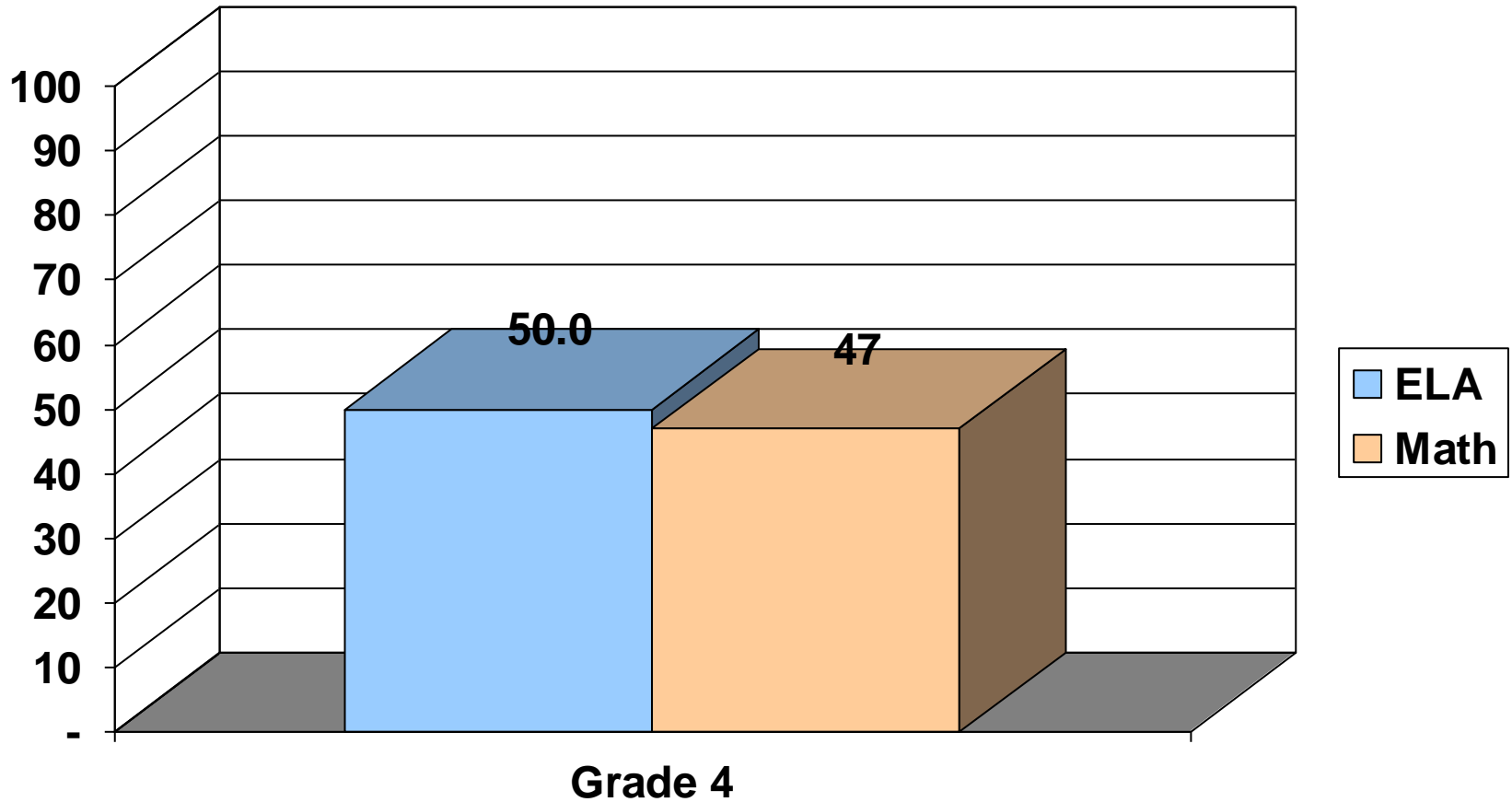
Grade 4 Math Composite Performance Index 2010



Class of 2018 (Present Grade 5) Performance Level Distribution



Grade 4 Median Student Growth Percentile (SGP)



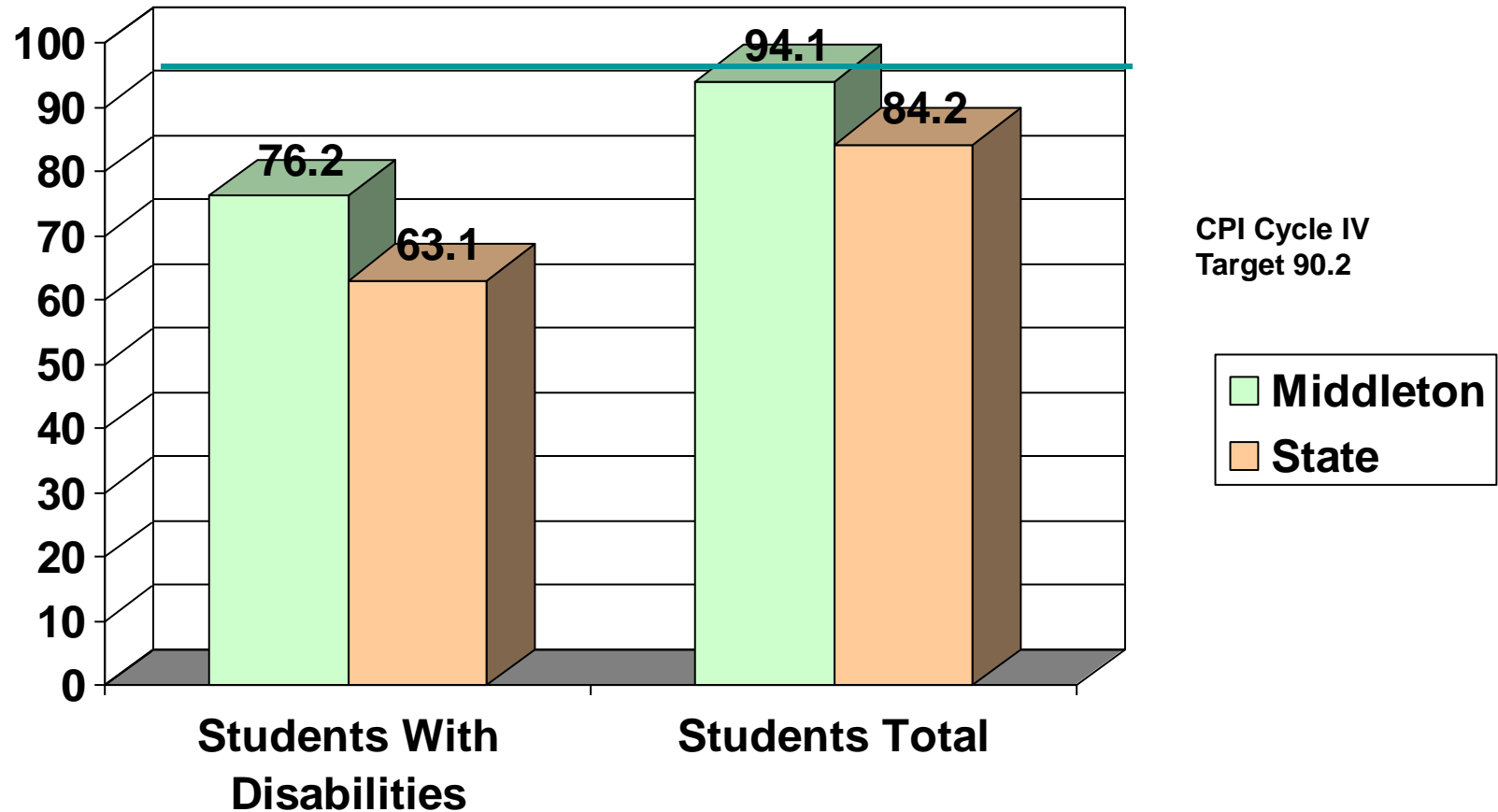
Grade 5 Results 2010

Class of 2015
Current Grade 6

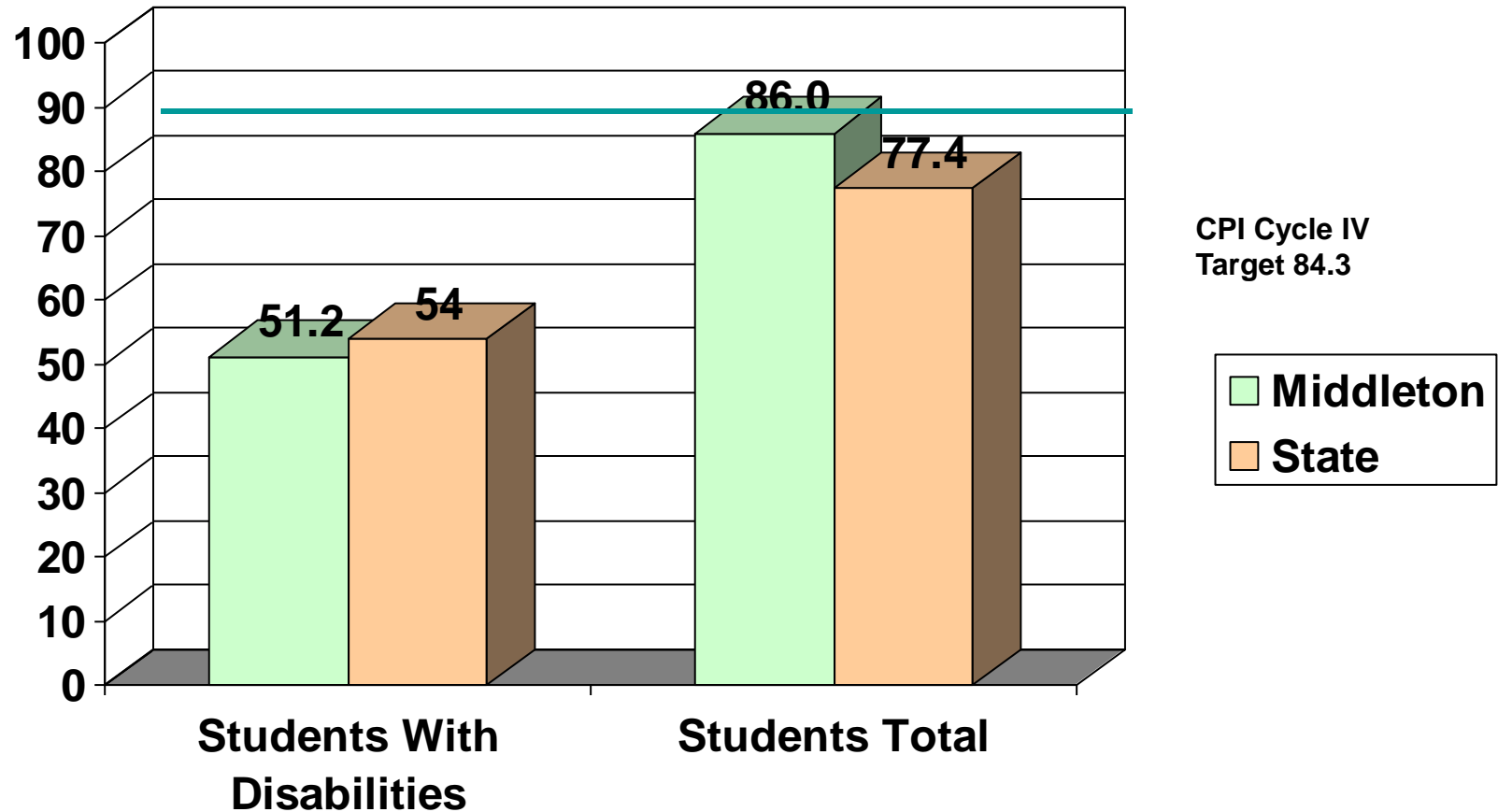
Current Grade 6 Class (2017)

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

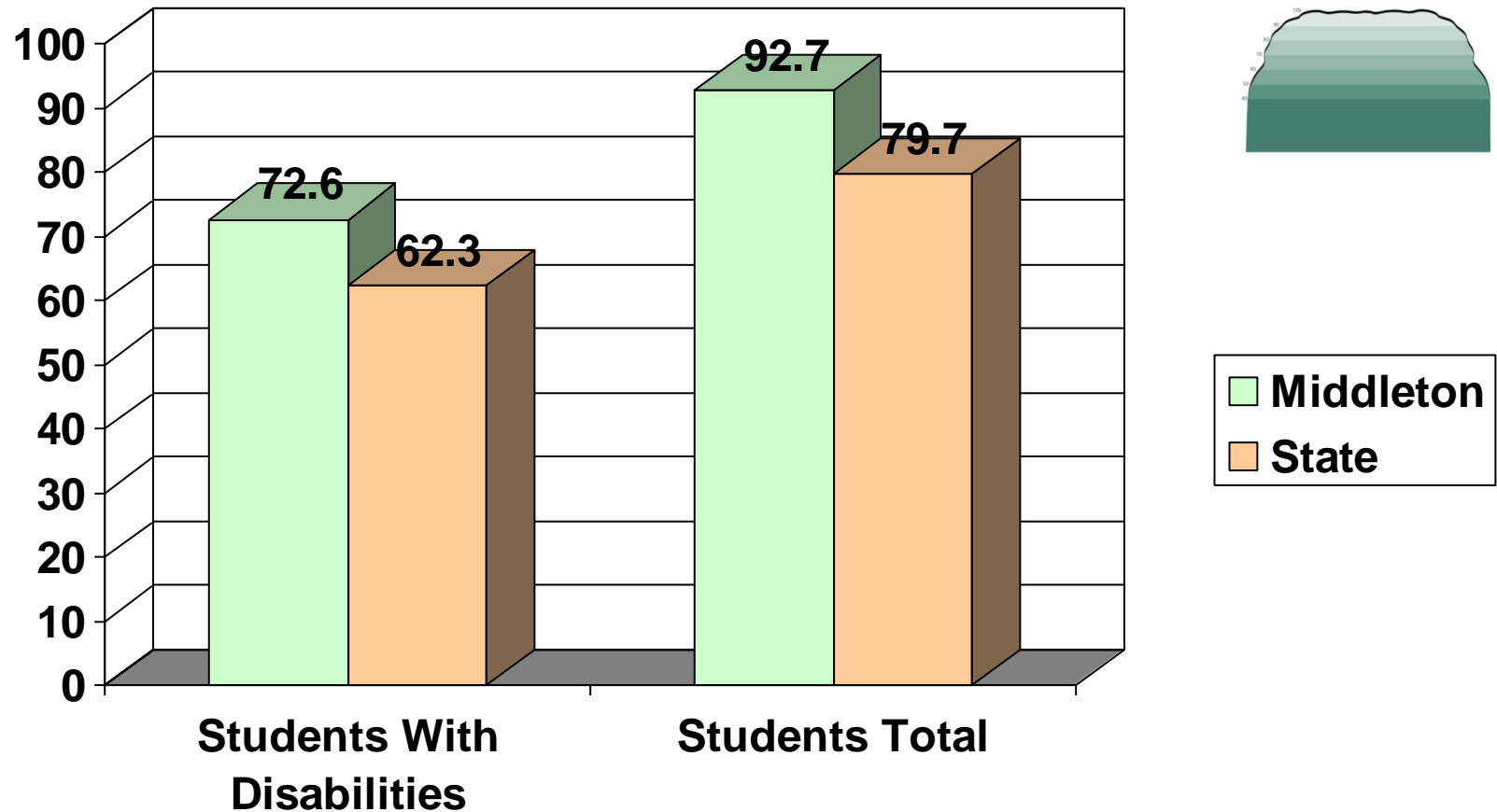
Grade 5 English Language Arts Composite Performance Index 2010



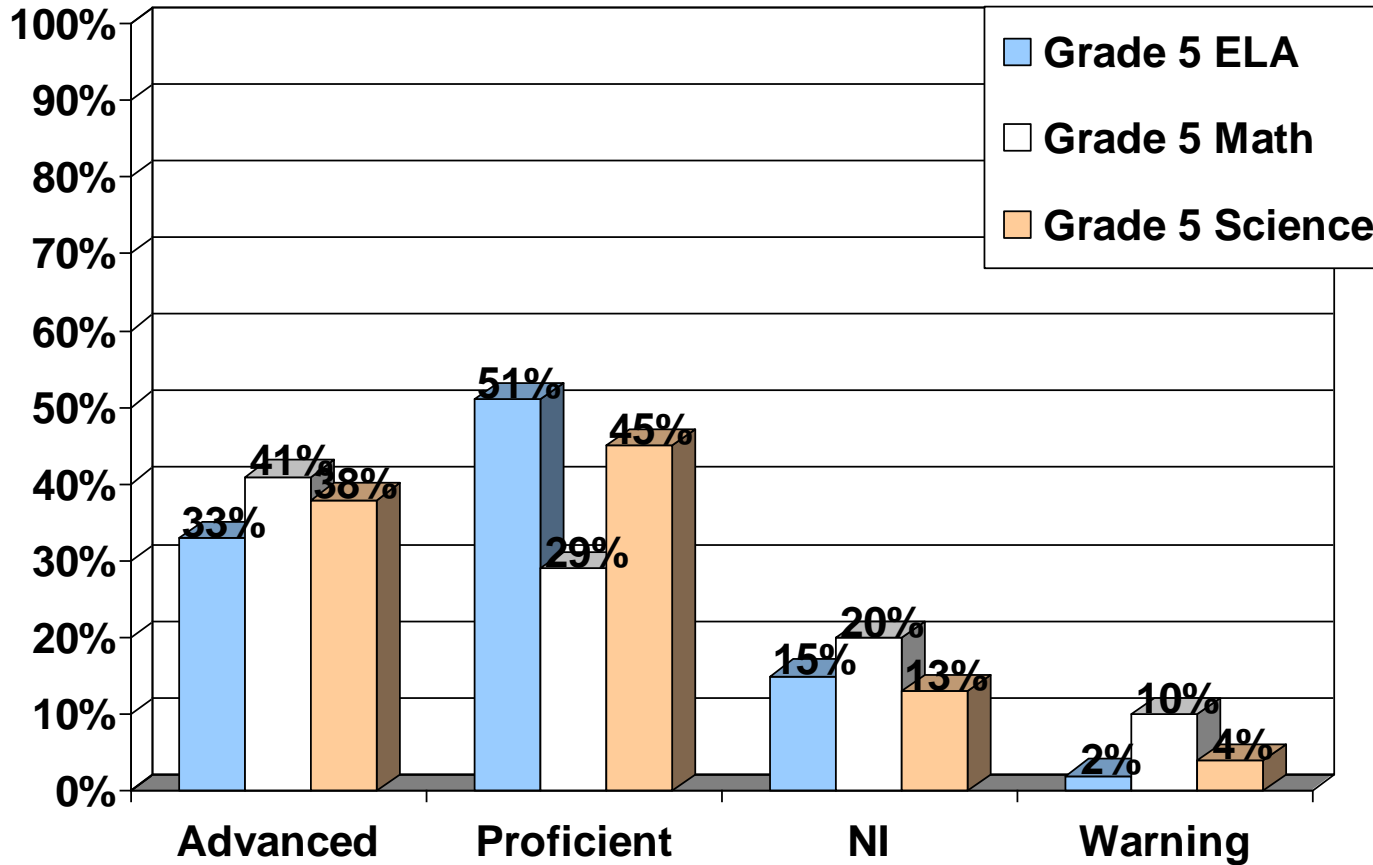
Grade 5 Mathematics Composite Performance Index 2010



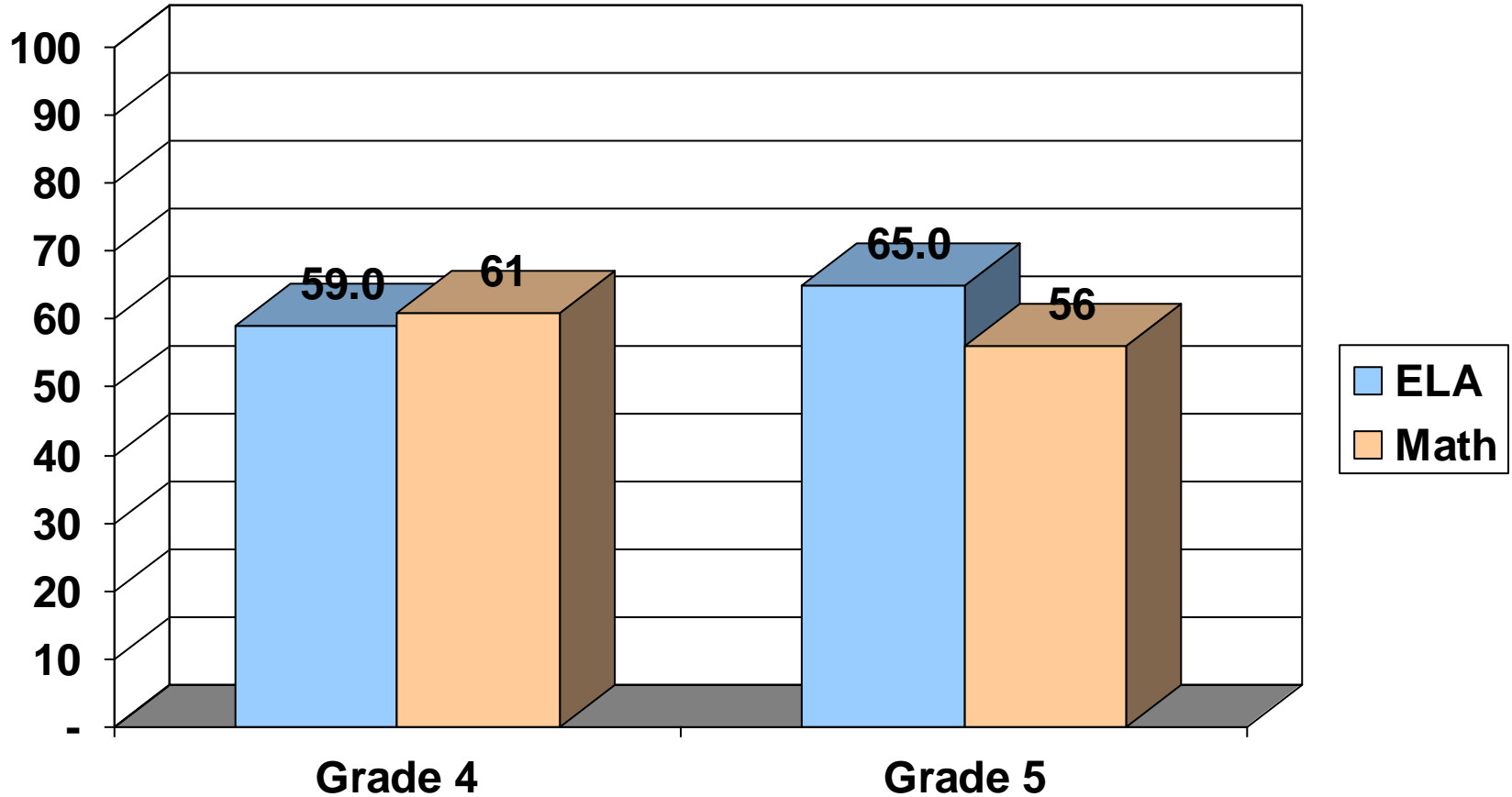
Grade 5 Science and Technology Composite Performance Index 2010



Class of 2017 (Present Grade 6) Performance Level Distribution



Grade 5 Median Student Growth Percentile (SGP)



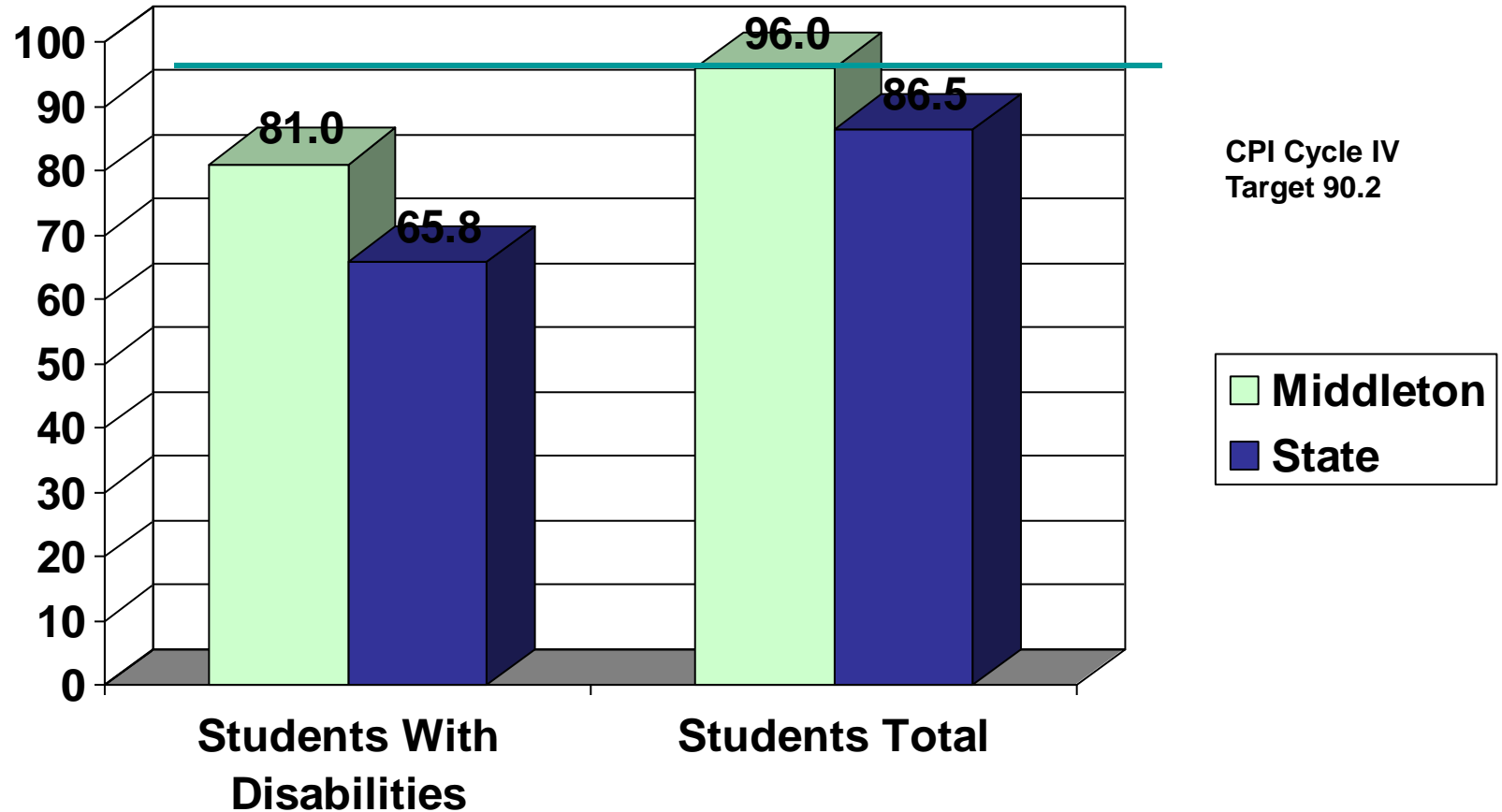
Grade 6 Results 2010

Class of 2014
Current Grade 7

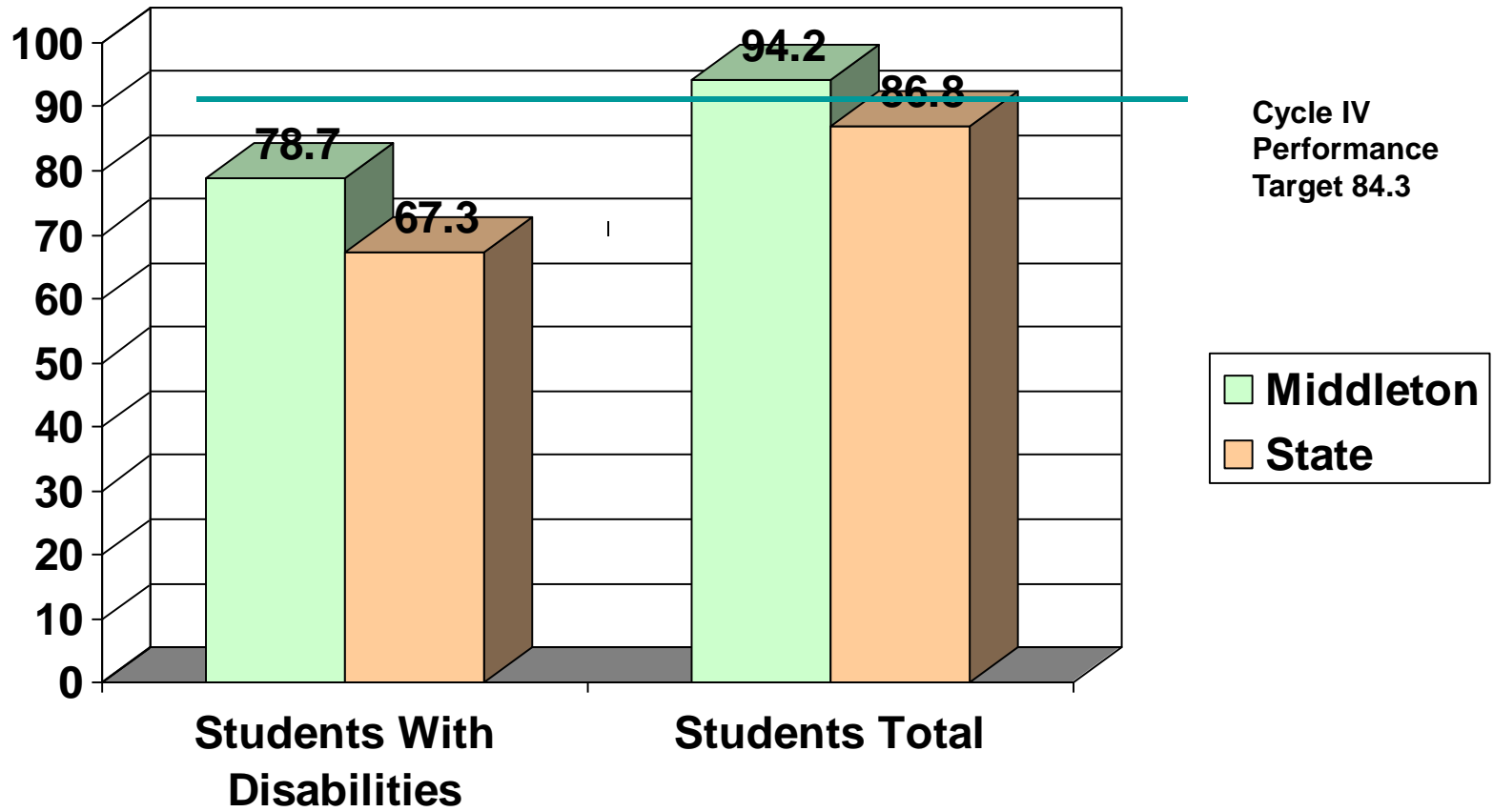
Current Grade 7 Class (2016)

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

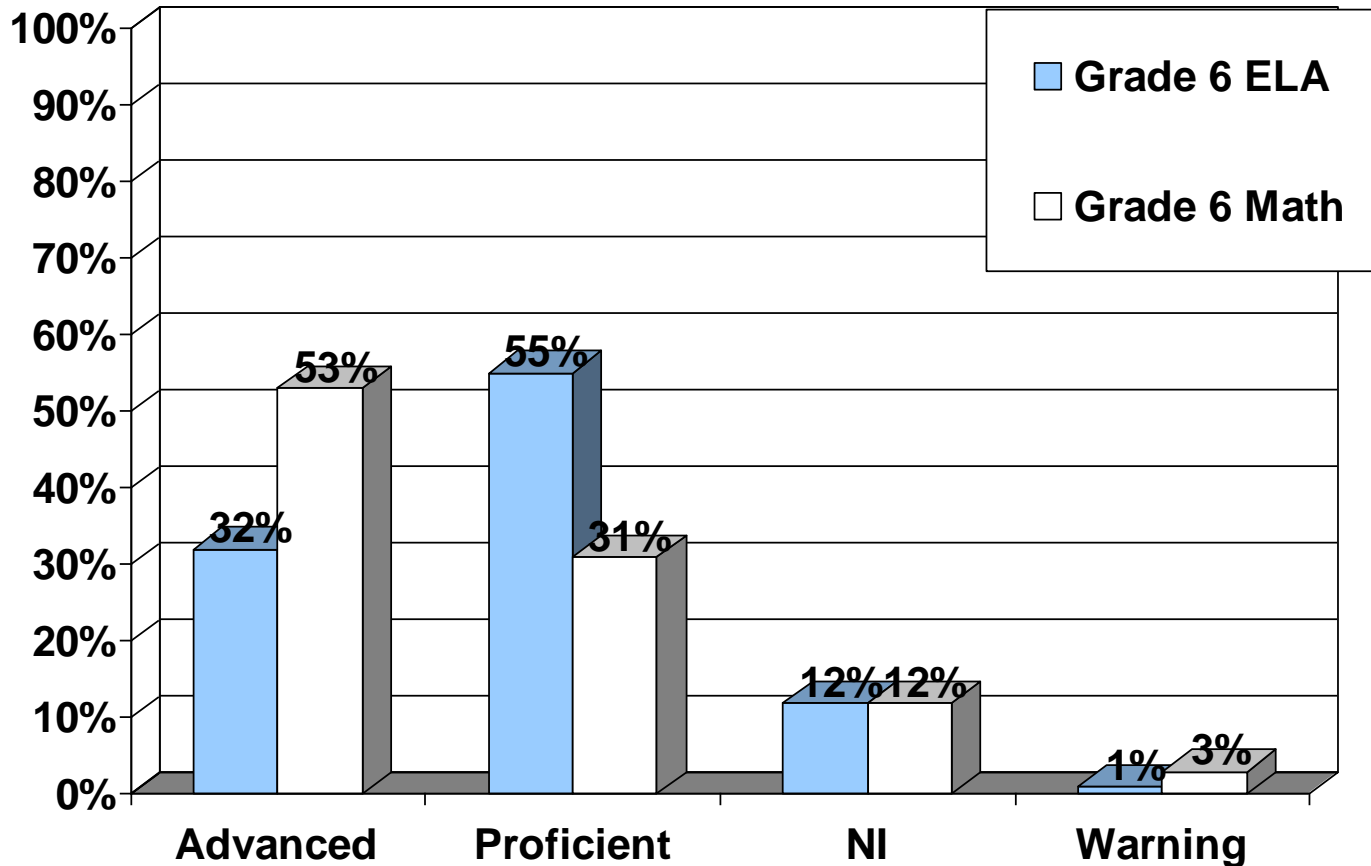
Grade 6 English Language Arts Composite Performance Index 2010



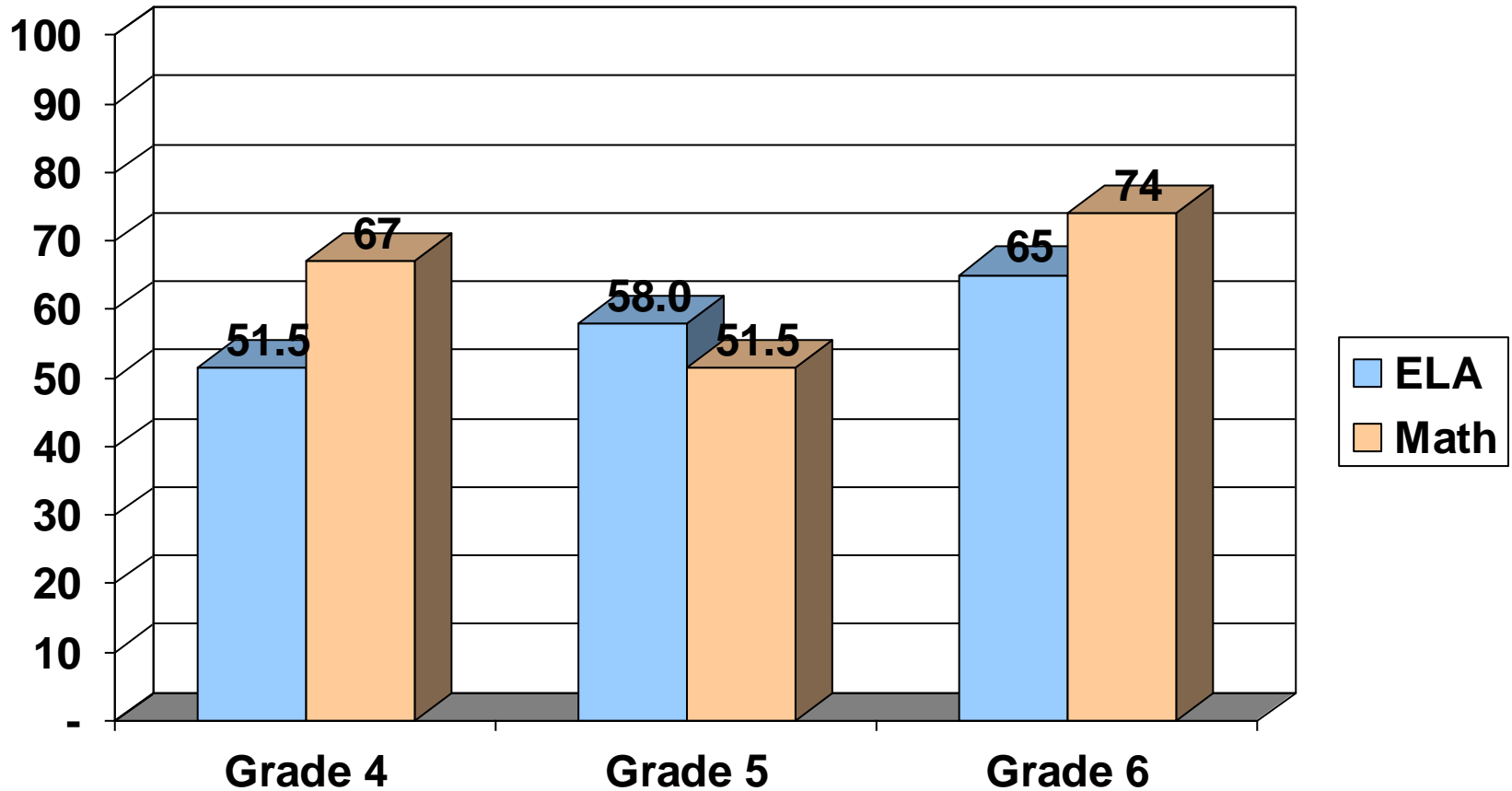
Grade 6 Math Composite Performance Index 2010



Class of 2016 (Present Grade 7) Performance Level Distribution



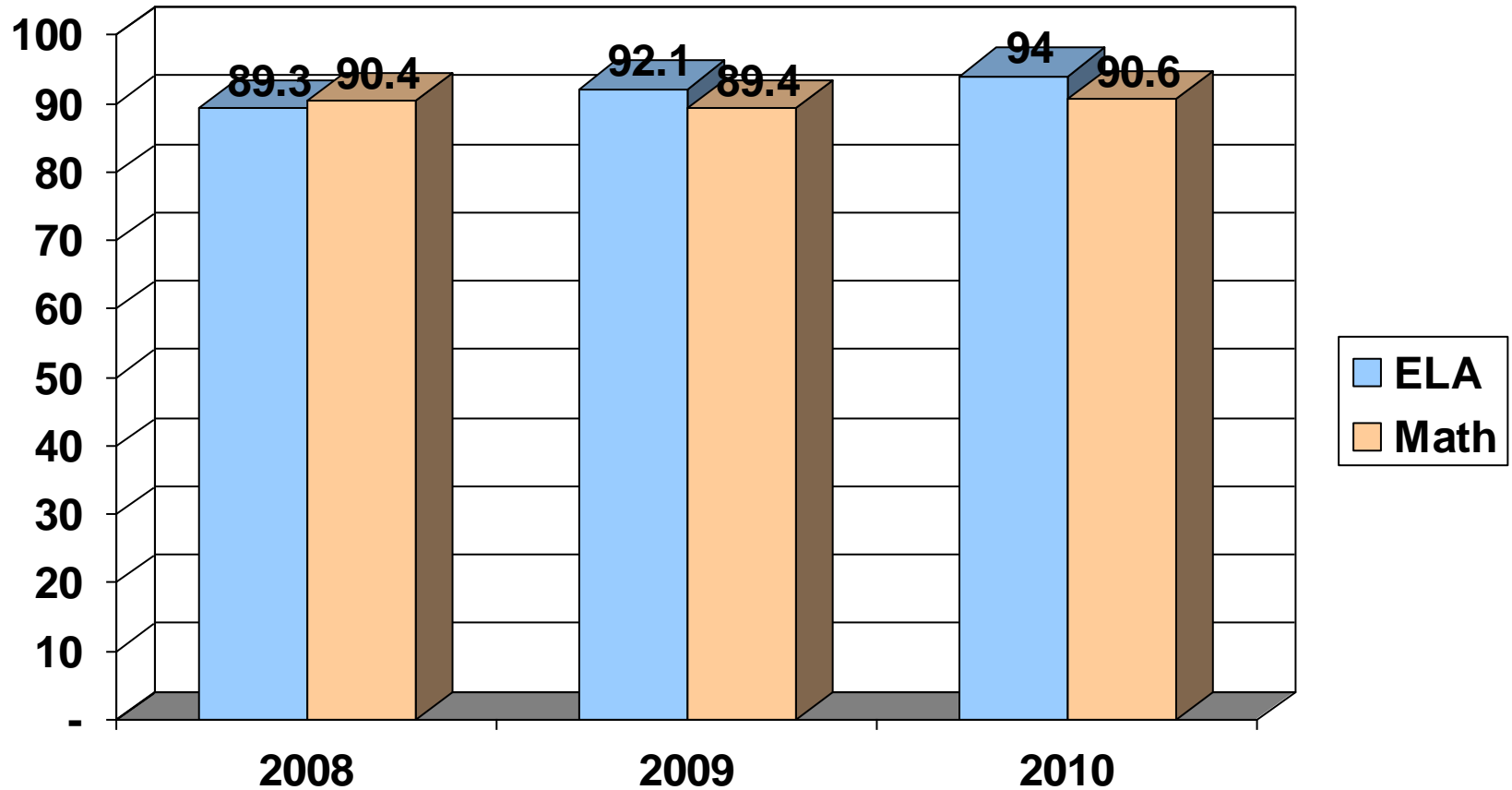
Grade 6 Median Student Growth Percentile (SGP)



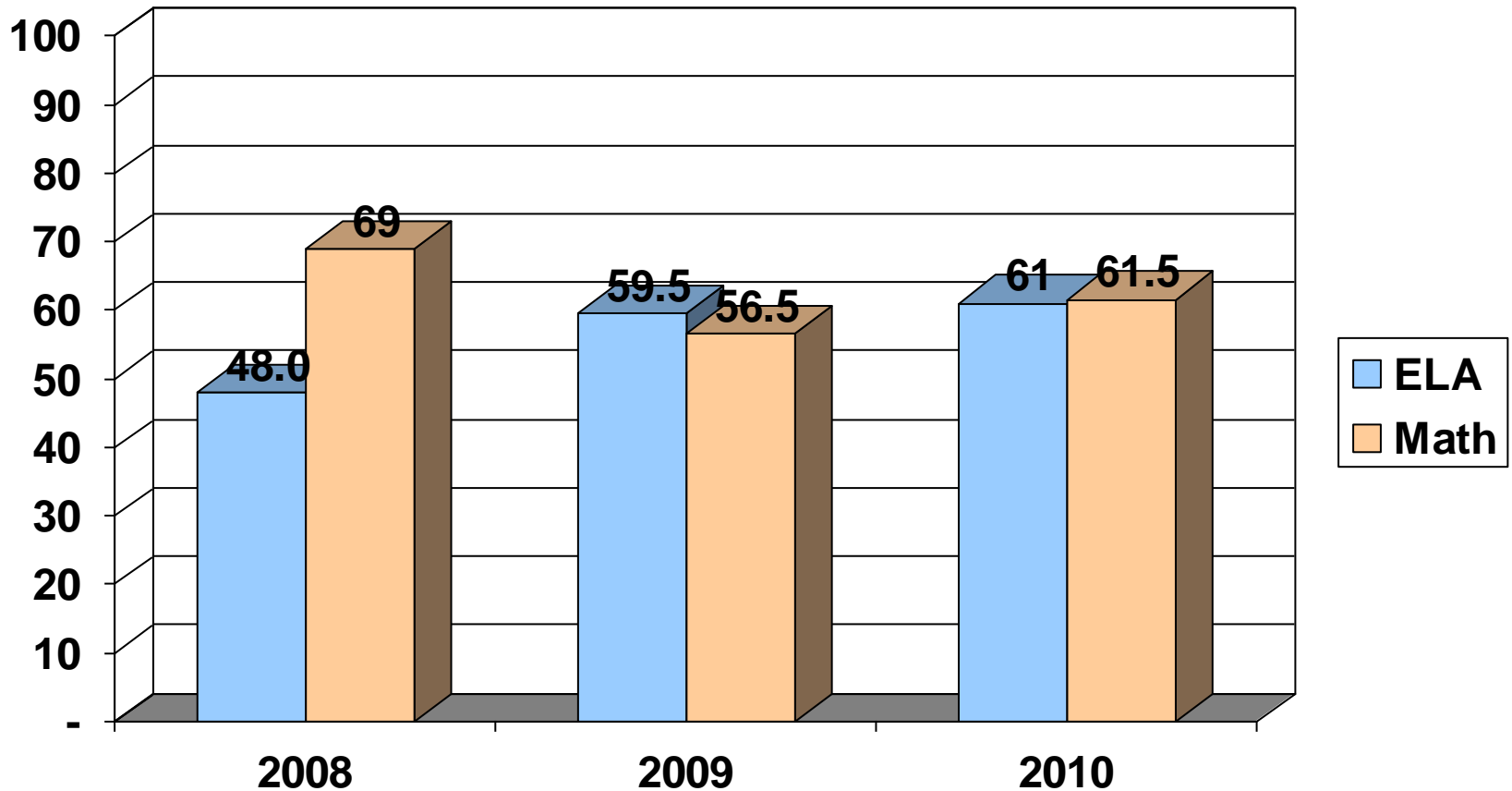
All Grades Results 2008-2010 ELA and Mathematics

**Composite Performance Index
And
Student Growth Percentiles**

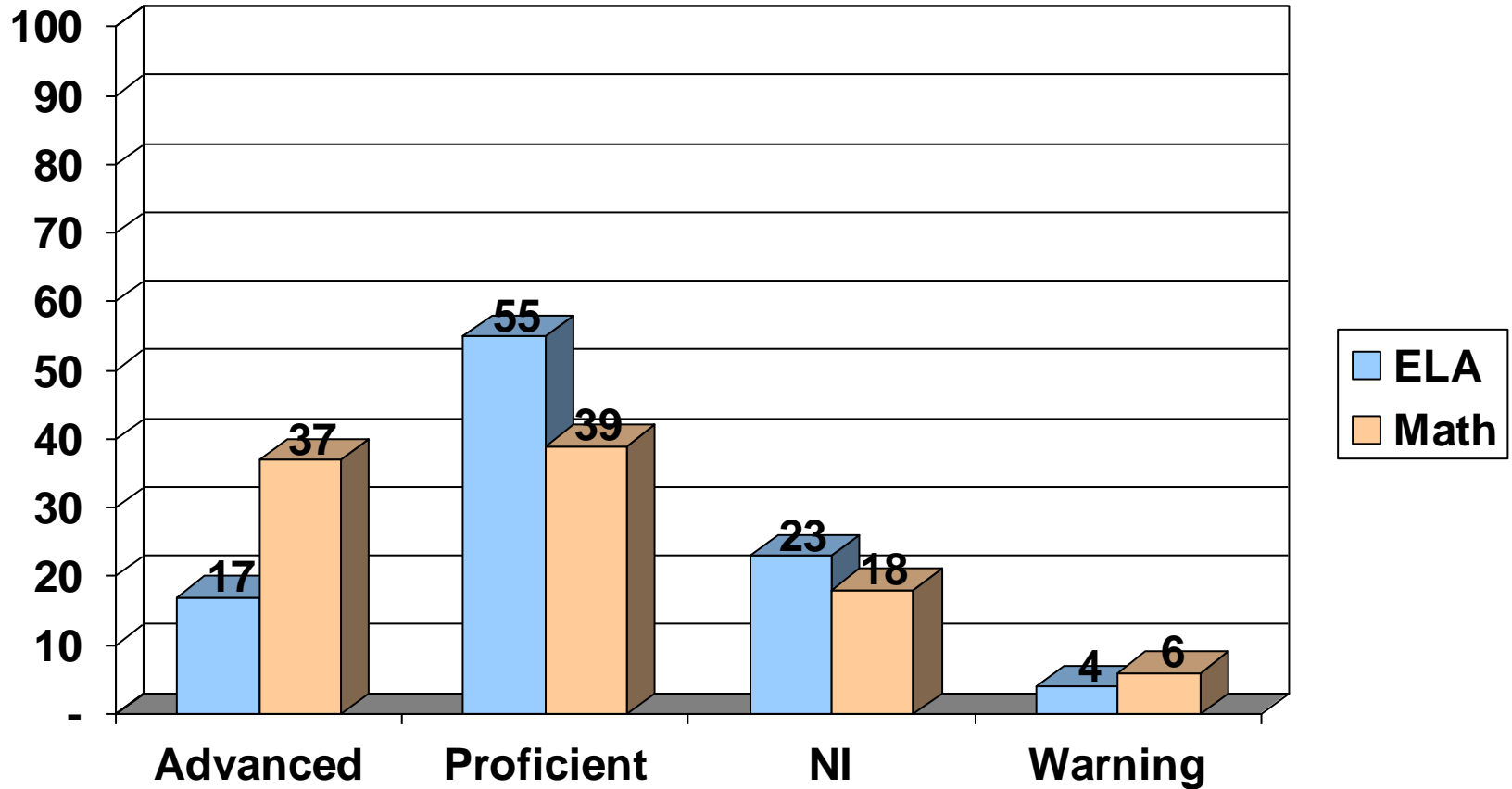
All Grades Composite Performance Index 2008-2010 ELA and Math



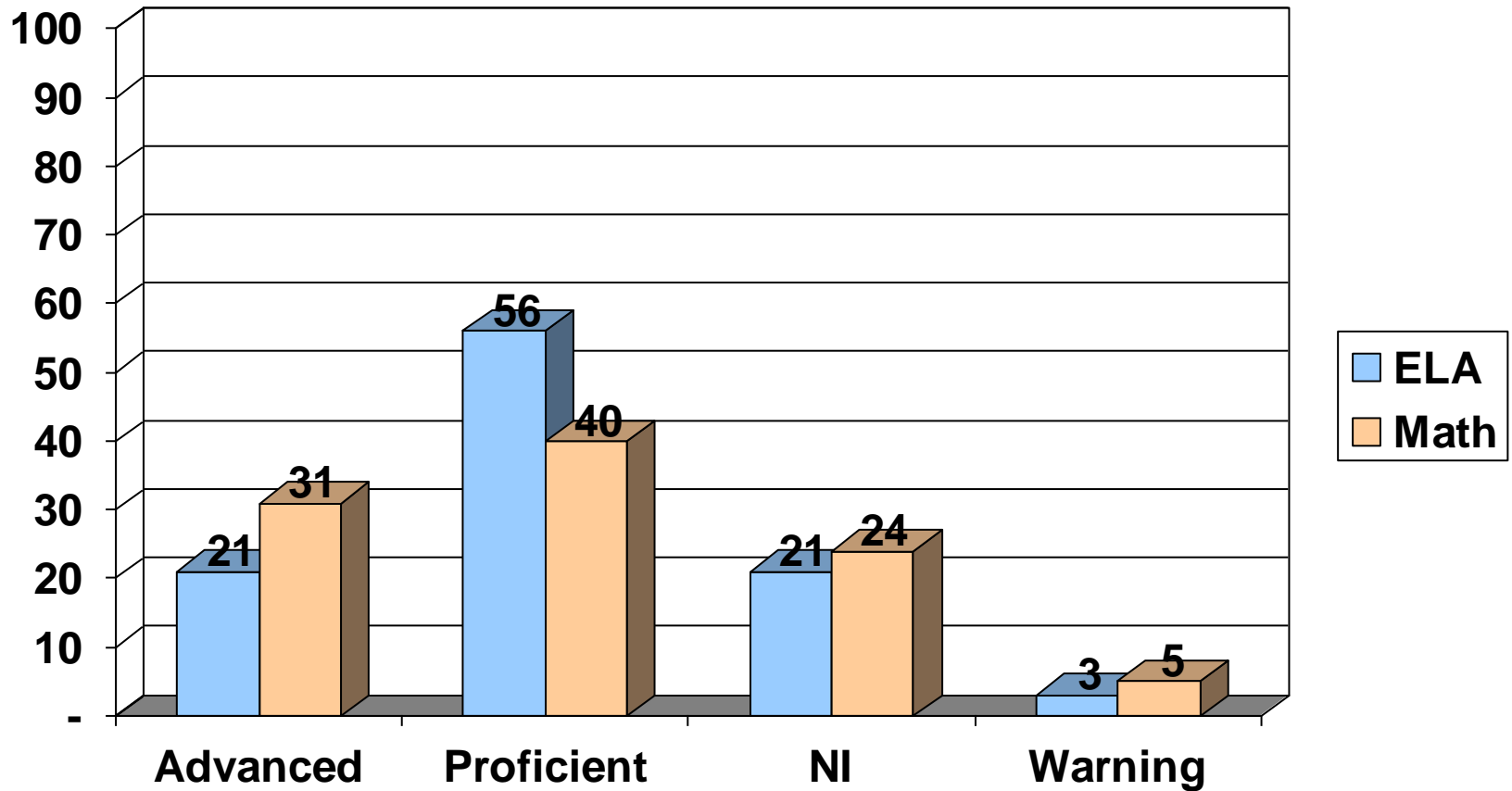
All Grades Median Student Growth Percentile 2008-2010



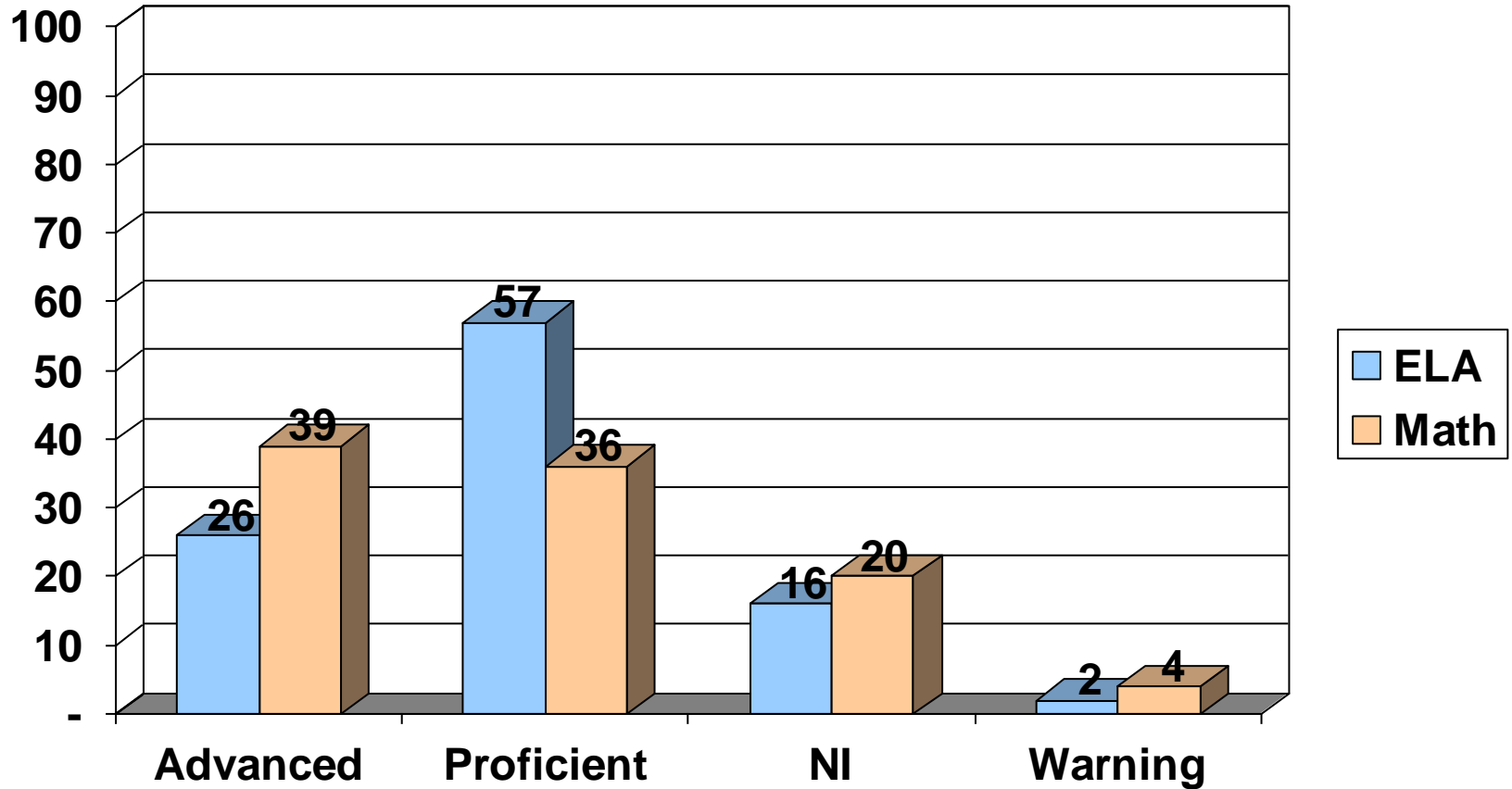
Percent of Students at Each Performance Level 2008 for All Grades 3-6 in ELA and Mathematics



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 #87	87.2	Grade 3: State Rank #120	85.4
Grade 4: State Rank #105	87.1	Grade 4: State Rank #79	85.1
Grade 5: State Rank #150	87.5	Grade 5: State Rank #45	89.4
Grade 6: State Rank #97	93.0	Grade 6: State Rank #75	90.7

Current Grade 9 Class

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

Acknowledgements

- Contributors to this presentation include:
 - Diane Carreiro, Principal Fuller Meadow
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