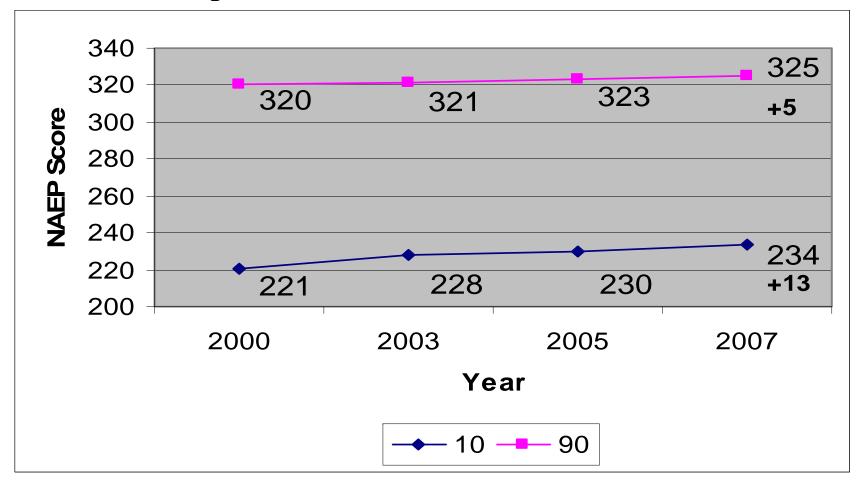
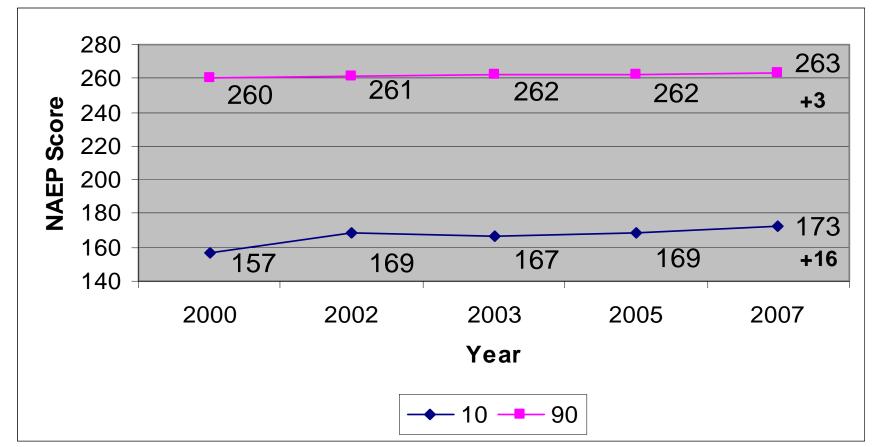
# High Achieving Students in the Era of NCLB: An Analysis of NAEP Data

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Presented on June 25, 2008 at the Thomas B.Fordham Institute Figure 1a Math 4<sup>th</sup> Grade NAEP scores, 2000-2007 (90<sup>th</sup> and 10<sup>th</sup> percentiles) \*on page 19

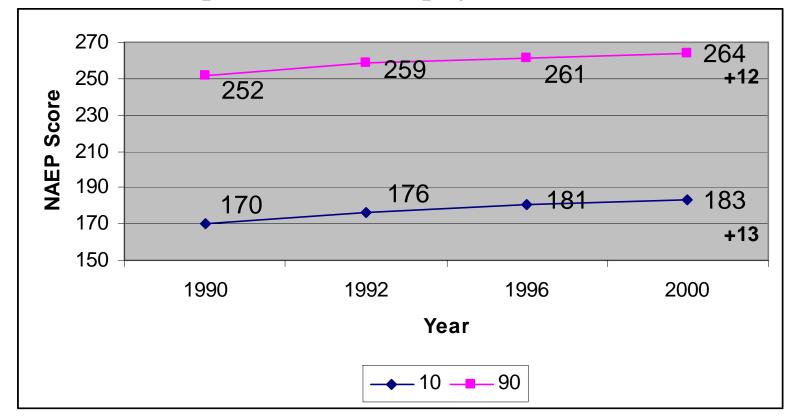


Note: National means: 2000 =274 and 2007 = 281, a change of +7 Source: Main NAEP data explorer, National Public sample Figure 1b Reading 4<sup>th</sup> Grade NAEP scores, 2000-2007 (90<sup>th</sup> and 10<sup>th</sup> percentiles) \*on page 19



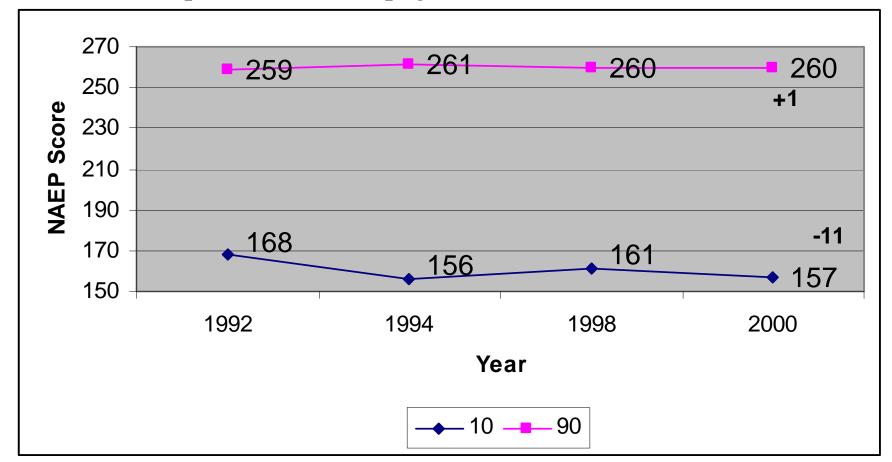
Note: National means: 2000= 215, 2007=222, a change of +7 Source: Main NAEP data explorer, National Public sample

## Figure 2a Math 4<sup>th</sup> Grade NAEP scores, 1990-2000 (90<sup>th</sup> and 10<sup>th</sup> percentiles) \*on page 21



Note: National means: 1990= 213, 2000 = 225, a change of +12 Source: Main NAEP data explorer, National Public sample

### Figure 2b Reading 4<sup>th</sup> Grade NAEP scores, 1992-2000 (90<sup>th</sup> and 10<sup>th</sup> percentiles) \*on page 21



Note: National means: 1992 = 217, 2000= 215, a change of -2 Source: Main NAEP data explorer, National Public sample

Table 1: Annual Gains by 10 <sup>th</sup> percentile pre and post NCLB *on page 22
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Subject	Pre-NCLB	Post-NCLB
4 math	1.3	2.6
4 reading	-1.4	2.3
8 math	0.7	1.9
8 reading	0.8	-0.6
Average of grade/subject	0.35	1.55
combinations		

Average annual gains found by dividing gain over entire interval by number of years in interval. All gains are measured in NAEP scale score points.

#### Table 2: Annual Gains by 90<sup>th</sup> percentile pre and post NCLB \*on page 22

		1 0
Subject	Pre-NCLB	Post-NCLB
4 math	1.2	1.4
4 reading	0.1	0.4
8 math	1.3	0.7
8 reading	0.1	0.0
Average of grade/subject	0.675	0.625
combinations		

Average annual gains found by dividing gain over entire interval by number of years in interval. All gains are measured in NAEP scale score points.

#### Table 4 Comparing 90<sup>th</sup> and 10<sup>th</sup> Percentile Gains Using State NAEP Data (PRE- NCLB) \*on page 26

1996-2000 4<sup>th</sup> Math

	90th	$10^{\text{th}}$	Change in Gap
Accountability	1.6	5.7	-4.1
n=16			
Non-accountability	2.5	1.9	+0.6
n= 20			
Overall	1.8	4.5	-2.7
n=36			

1998-2002 4<sup>th</sup> Reading

	90 <sup>th</sup>	10 <sup>th</sup>	Change in Gap
Accountability	2.2	8.8	-6.6
n=16			
Non-accountability	2.6	6.9	-4.3
n=21			
Overall	2.3	8.2	-5.9
n=37			

Table 4 Comparing 90<sup>th</sup> and 10<sup>th</sup> Percentile Gains Using State NAEP Data (PRE- NCLB) \*on page 26

1996-2000	$8^{\text{th}}$	Math
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	90 <sup>th</sup>	$10^{\text{th}}$	Change in Gap
Accountability	2.5	.3	2.2
n=15			
Non-accountability	2.1	-1.3	3.4
n=19			
Overall	2.3	2	2.5
n=34			

1998-2002 8<sup>th</sup> Reading

	90 <sup>th</sup>	$10^{\text{th}}$	Change in Gap
Accountability n=16	1.5	2	1.7
Non-accountability n=18	1.9	1.9	0.0
Overall n=34	1.6	.3	1.9

Note: All data are in scale score points.

Source: Author's calculations from main NAEP data explorer, State NAEP sample.

	NCLB-HA	90 <sup>th</sup> Percentile	National Average	10 <sup>th</sup> Percentile
Eligible Free Lunch	70.5	10.2	36.1	66.5
White	39.6	81.5	61.1	28.4
Black	17.8	2.6	16.1	36.9
Hispanic	30.5	4.4	16.2	29.8
Mother is College	41.1	64.4	36.9	19.6
Grad				

Table 10: Student Characteristics: NCLB-HA and Comparison Groups \*on page 33

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	NCLB-HA	90 <sup>th</sup> Percentile	National Average	10 <sup>th</sup> Percentile
Geometry	8.6	11.1	3.8	5.0
Algebra 2	3.9	4.6	3.3	6.2
Algebra 1	51.7	57.3	29.5	17.4
2 year Algebra	5.6	5.5	4.6	4.6
Pre-algebra	13.1	9.4	26.4	19.2
General math	10.8	6.8	24.4	27.1
Other	2.5	1.8	4.8	14.8
Integrated math	2.9	2.9	1.3	1.1

Table 11: Course taking in 8<sup>th</sup> grade math: NCLB-HA and Comparison Groups \*on page 33

Table 13. School Characteristics. NCLB-ITA and Comparison Groups 101 page 34					
	NCLB-HA	90 <sup>th</sup> Percentile	National Average	10 <sup>th</sup> Percentile	
School enrollment	863	815	819.7	885.0	
Private school	8.6	14.7	8.8	3.3	
enrollment					
> 50% eligible	33.3	10.6	31.6	59.1	
lunch					
> 50% Title 1	13.8	3.8	14.1	29.7	
No kids in algebra 1	13.3	9.2	13.1	16.5	
No kids in gifted	20.1	26.2	22.8	19.5	
8 <sup>th</sup> gr. math tracked	71.3	78.3	70.9	65.7	

Table 13: School Characteristics: NCLB-HA and Comparison Groups \*on page 34

	NCLB-HA	90 <sup>th</sup> Percentile	National Average	10 <sup>th</sup> Percentile
Teaching expr. (yrs)	14.3	15.2	13.5	11.8
0-4 years experience	20.3	16.1	22.5	29.1
Regular teaching cert.	84.2	86.6	82.5	75.8
Major/minor in math	64.5	64.2	55.8	44.9
Teaches remedial math	20.4	17.1	24.5	38.3
Teaches general math	46.0	39.5	51.0	57.7

Table 14: Teacher Characteristics: NCLB-HA and Comparison Groups \*on page 34