



Assessment of Student Performance  
for  
2007-2008

**Berkeley Heights  
Public Schools**



[www.bhpsnj.org](http://www.bhpsnj.org)



**September 25, 2008**



- **Review of the ASK3-8/HSPA Scores**
  - **Explanation of the New Standards**
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# New Jersey Assessment of Skills and Knowledge

## ASK 3,4,5,6,7,8

Administered to NJ Students in Grades 3-8 during  
March, April, and May of 2008

- **Language Arts Literacy**
- **Mathematics**
- **Science (Grades 4 and 8)**

# Language Arts Literacy

The Language Arts Literacy section of the **ASK3** and **ASK4** tests measures students' achievement in reading and writing.

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## Assessment of Knowledge & Skills in Four Cluster Areas:

- \* Writing About Pictures
- \* Writing About Poems
- \* Working With Text
- \* Analyzing Text

# Language Arts Literacy

The Language Arts Literacy section of the **ASK5**, **ASK6**, **ASK7**, and **ASK8** tests measures students' achievement in reading and writing.

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## Assessment of Knowledge & Skills in Four Cluster Areas:

\* Writing

\* Reading

\* Working with Text

\* Analyzing Text

# Language Arts Literacy 2008 ASK3

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>BH Students</b>	<b>4.0%</b>	<b>89.6%</b>	<b>6.5%</b>	<b>96.1%</b>
<b>DFG I</b>	<b>5.9%</b>	<b>86.2%</b>	<b>8.0%</b>	<b>94.2%</b>
<b>NJ</b>	<b>14.0%</b>	<b>81.4%</b>	<b>4.6%</b>	<b>86.0%</b>
<b>BH Special Ed</b>	<b>22.2%</b>	<b>77.8%</b>	<b>0.0%</b>	<b>77.8%</b>
<b>NJ Special Ed.</b>	<b>38.5%</b>	<b>60.3%</b>	<b>1.1%</b>	<b>61.4%</b>

# Language Arts Literacy 2008 ASK4

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>BH Students</b>	<b>4.8%</b>	<b>84.6%</b>	<b>10.6%</b>	<b>95.2%</b>
<b>DFG I</b>	<b>7.6%</b>	<b>83.7%</b>	<b>8.7%</b>	<b>92.4%</b>
<b>NJ</b>	<b>17.4%</b>	<b>78.0%</b>	<b>4.6%</b>	<b>82.6%</b>
<b>BH Special</b>	<b>20.0%</b>	<b>75.0%</b>	<b>5.0%</b>	<b>80.0%</b>
<b>NJ Special Ed.</b>	<b>45.1%</b>	<b>54.2%</b>	<b>0.7%</b>	<b>54.9%</b>

# Language Arts Literacy <sup>2008</sup> ASK5

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>BH Students</b>	<b>15.7%</b>	<b>76.2%</b>	<b>8.1%</b>	<b>84.3%</b>
<b>DFG I</b>	<b>22.1%</b>	<b>69.8%</b>	<b>8.1%</b>	<b>77.9%</b>
<b>NJ</b>	<b>40.1%</b>	<b>55.8%</b>	<b>4.1%</b>	<b>59.9%</b>
<b>BH Special Ed.</b>	<b>68.8%</b>	<b>31.3%</b>	<b>0.0%</b>	<b>31.3%</b>
<b>NJ Special Ed.</b>	<b>75.6%</b>	<b>23.9%</b>	<b>0.5%</b>	<b>24.4%</b>

# Mathematics 2008

The mathematics section of each test measures students' knowledge and their ability to solve problems by applying mathematical concepts.

## **ASK - Assessment of Knowledge and Skills in Five Clusters:**

- **Number Sense and Numerical Operations**
- **Geometry and Measurement**
- **Problem Solving**
- **Data Analysis, Probability, and Discrete Mathematics**
- **Patterns and Algebra**

# Mathematics <sup>2008</sup> ASK3

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>BH Students</b>	<b>2.5%</b>	<b>48.0%</b>	<b>49.5%</b>	<b>97.5%</b>
<b>DFG I</b>	<b>5.0%</b>	<b>48.7%</b>	<b>46.3%</b>	<b>95.0%</b>
<b>NJ</b>	<b>13.3%</b>	<b>53.4%</b>	<b>33.3%</b>	<b>86.7%</b>
<b>BH Special Ed.</b>	<b>11.1%</b>	<b>77.8%</b>	<b>11.1%</b>	<b>88.9%</b>
<b>NJ Special Ed.</b>	<b>27.5%</b>	<b>53.6%</b>	<b>18.9%</b>	<b>72.5%</b>

# Mathematics <sup>2008</sup> ASK4

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>BH Students</b>	<b>5.3%</b>	<b>33.0%</b>	<b>61.7%</b>	<b>94.7%</b>
<b>DFG I</b>	<b>6.1%</b>	<b>38.0%</b>	<b>55.9%</b>	<b>93.9%</b>
<b>NJ</b>	<b>15.2%</b>	<b>44.4%</b>	<b>40.4%</b>	<b>84.8%</b>
<b>BH Special Ed</b>	<b>20.0%</b>	<b>40.0%</b>	<b>40.0%</b>	<b>80.0%</b>
<b>NJ Special Ed</b>	<b>34.5%</b>	<b>44.5%</b>	<b>20.9%</b>	<b>65.4%</b>

# Mathematics <sup>2008</sup> ASK5

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>BH Students</b>	<b>10.5%</b>	<b>42.4%</b>	<b>47.1%</b>	<b>89.5%</b>
<b>DFG I</b>	<b>11.2%</b>	<b>46.6%</b>	<b>42.2%</b>	<b>88.8%</b>
<b>NJ</b>	<b>23.5%</b>	<b>48.6%</b>	<b>27.8%</b>	<b>76.4%</b>
<b>BH Special Ed.</b>	<b>37.5%</b>	<b>56.3%</b>	<b>6.3%</b>	<b>62.6%</b>
<b>NJ Special Ed.</b>	<b>51.5%</b>	<b>39.3%</b>	<b>9.1%</b>	<b>48.4%</b>

# Science 2008

**The ASK 4 Science assessments measure knowledge as well as cognitive and process skills in four content clusters:**

- ***Life Science***
- ***Physical Science***
- ***Earth Science***
- ***Application***

# Science <sup>2008</sup> ASK 4

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>BH Students</b>	<b>2.1%</b>	<b>34.6%</b>	<b>63.3%</b>	<b>97.9%</b>
<b>DFG I</b>	<b>5.2%</b>	<b>38.9%</b>	<b>55.8%</b>	<b>94.7%</b>
<b>NJ</b>	<b>15.0%</b>	<b>45.7%</b>	<b>39.3%</b>	<b>85.0%</b>
<b>BH Special Ed.</b>	<b>10.0%</b>	<b>40.0%</b>	<b>50.0%</b>	<b>90.0%</b>
<b>NJ Special Ed.</b>	<b>28.8%</b>	<b>48.5%</b>	<b>22.7%</b>	<b>71.2%</b>



**JULY, 2008**



**CHANGES IN NJ ASK  
STANDARDS  
GRADES 5-8**

# State of NJ Percentages for Proficiency

	Grade 5		Grade 6		Grade 7		Grade 8	
	LAL	Math	LAL	Math	LAL	Math	LAL	Math
2007	39	46	42	44	44	33	55	50
2008	53	50	53	50	50	52	54	56

# State of NJ

## Impact of Higher Standards on 2008 Scores

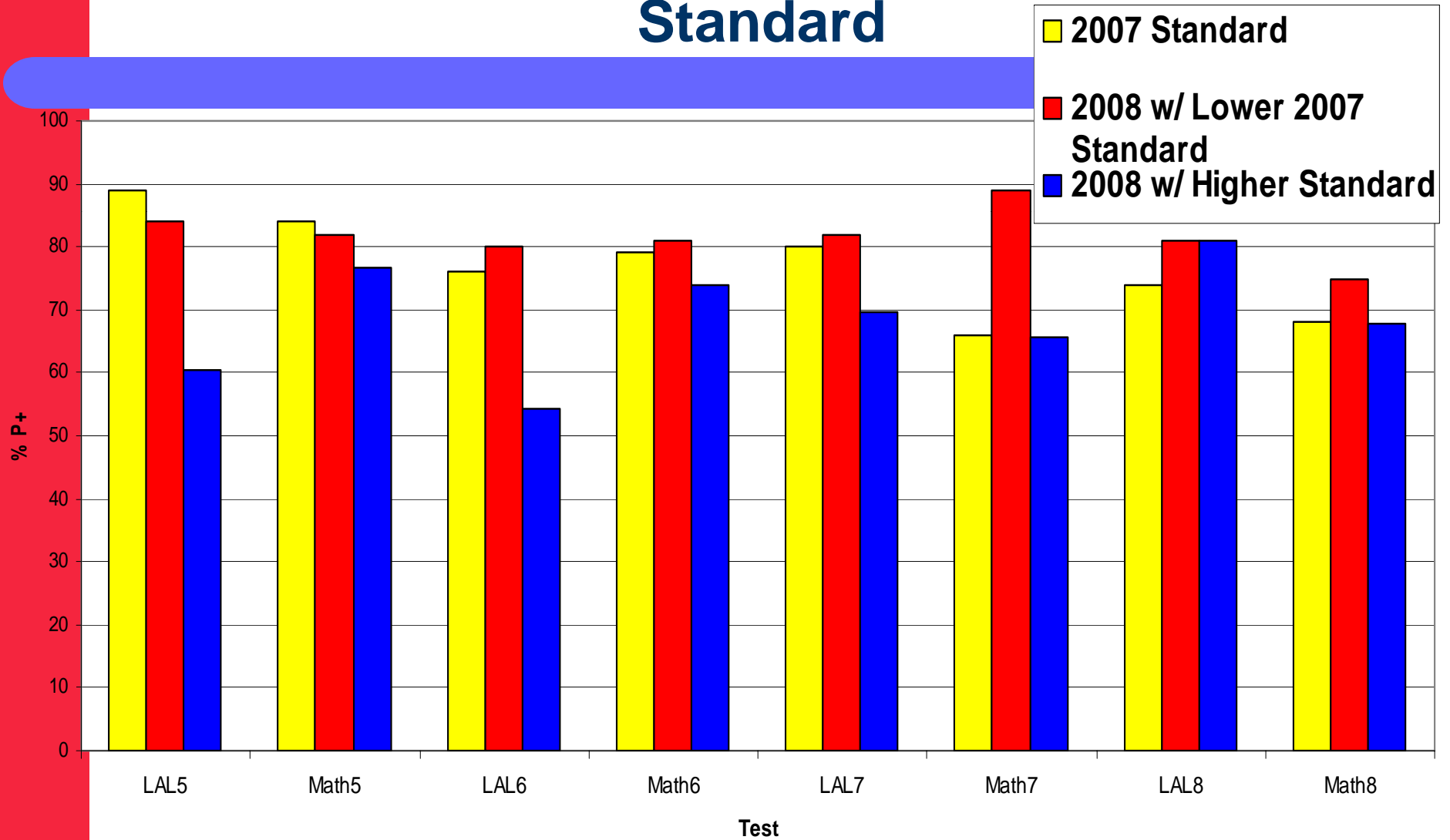
Percentage Demonstrating Proficiency

	Grade 5		Grade 6		Grade 7		Grade 8	
	LAL	Math	LAL	Math	LAL	Math	LAL	Math
<b>2007</b>	89	84	76	79	80	66	74	68
<b>2008 LS</b>	84	82	80	81	82	89	81	75
<b>2008</b>	61	77	54	74	70	66	81	68

2008 LS shows the percentages of students who would be Proficient or above if the 2007 lower standard were applied to the 2008 tests.

# State of NJ

## Comparison: 2008 Higher Standard with Lower 2007 Standard and Lower 2008 Standard



# Language Arts Literacy <sup>2008</sup> ASK6

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>Columbia</b>	<b>27.6%</b>	<b>68.0%</b>	<b>4.4%</b>	<b>72.4%</b>
<b>DFG I</b>	<b>23.5%</b>	<b>71.8%</b>	<b>4.7%</b>	<b>76.5%</b>
<b>NJ</b>	<b>42.9%</b>	<b>54.8%</b>	<b>2.4%</b>	<b>57.2%</b>
<b>BH Special Ed.</b>	<b>78.6%</b>	<b>21.4%</b>	<b>0.0%</b>	<b>21.4%</b>
<b>NJ Special Ed.</b>	<b>81.6%</b>	<b>18.3%</b>	<b>0.1%</b>	<b>18.4%</b>

# Language Arts Literacy <sup>2008</sup> ASK7

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>Columbia</b>	<b>12.1%</b>	<b>54.2%</b>	<b>33.6%</b>	<b>87.8%</b>
<b>DFG I</b>	<b>13.0%</b>	<b>60.5%</b>	<b>26.5%</b>	<b>87.0%</b>
<b>NJ</b>	<b>29.7%</b>	<b>55.7%</b>	<b>14.7%</b>	<b>70.4%</b>
<b>BH Special Ed.</b>	<b>70.0%</b>	<b>30.0%</b>	<b>0.0%</b>	<b>30.0%</b>
<b>NJ Special Ed.</b>	<b>70.2%</b>	<b>28.4%</b>	<b>1.4%</b>	<b>29.8%</b>

# Language Arts Literacy <sup>2008</sup> ASK8

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>Columbia</b>	<b>2.0%</b>	<b>69.5%</b>	<b>28.6%</b>	<b>98.1%</b>
<b>DFG I</b>	<b>6.5%</b>	<b>73.5%</b>	<b>20.0%</b>	<b>93.5%</b>
<b>NJ</b>	<b>18.9%</b>	<b>69.7%</b>	<b>11.4%</b>	<b>81.1%</b>
<b>BH Special Ed.</b>	<b>37.5%</b>	<b>62.5%</b>	<b>0.0%</b>	<b>62.5%</b>
<b>NJ Special Ed.</b>	<b>55.9%</b>	<b>43.2%</b>	<b>1.0%</b>	<b>44.2%</b>

# Mathematics <sup>2008</sup> ASK6

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>Columbia</b>	<b>12.8%</b>	<b>59.6%</b>	<b>27.6%</b>	<b>87.2%</b>
<b>DFG I</b>	<b>13.3%</b>	<b>53.8%</b>	<b>32.9%</b>	<b>86.7%</b>
<b>NJ</b>	<b>28.0%</b>	<b>52.0%</b>	<b>20.0%</b>	<b>72.0%</b>
<b>BH Special Ed.</b>	<b>71.4%</b>	<b>14.3%</b>	<b>14.3%</b>	<b>28.6%</b>
<b>NJ Special Ed.</b>	<b>63.5%</b>	<b>32.2%</b>	<b>4.3%</b>	<b>36.5%</b>

# Mathematics <sup>2008</sup> ASK7

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>Columbia</b>	<b>17.8%</b>	<b>48.1%</b>	<b>34.1%</b>	<b>82.2%</b>
<b>DFG I</b>	<b>19.7%</b>	<b>48.4%</b>	<b>31.8%</b>	<b>80.2%</b>
<b>NJ</b>	<b>35.7%</b>	<b>44.5%</b>	<b>19.8%</b>	<b>64.3%</b>
<b>BH Special Ed.</b>	<b>75.0%</b>	<b>25.0%</b>	<b>0.0%</b>	<b>25.0%</b>
<b>NJ Special Ed.</b>	<b>74.4%</b>	<b>22.4%</b>	<b>3.2%</b>	<b>25.6%</b>

# Mathematics <sup>2008</sup> ASK8

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>Columbia</b>	<b>6.4%</b>	<b>46.8%</b>	<b>46.8%</b>	<b>93.6%</b>
<b>DFG I</b>	<b>16.4%</b>	<b>44.6%</b>	<b>39.0%</b>	<b>83.6%</b>
<b>NJ</b>	<b>32.6%</b>	<b>42.6%</b>	<b>24.8%</b>	<b>67.4%</b>
<b>BH Special Ed.</b>	<b>50.0%</b>	<b>37.5%</b>	<b>12.5%</b>	<b>50.0%</b>
<b>NJ Special Ed.</b>	<b>73.1%</b>	<b>22.5%</b>	<b>4.5%</b>	<b>27.0%</b>

# Science 2008

**The ASK 8 Science assessments measure knowledge as well as cognitive and process skills in four content clusters:**

- ***Life Science***
- ***Physical Science***
- ***Earth Science***
- ***Application***

# Science <sup>2008</sup> ASK 8

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>Columbia</b>	<b>1.5%</b>	<b>27.1%</b>	<b>71.4%</b>	<b>98.5%</b>
<b>DFG I</b>	<b>5.2%</b>	<b>44.5%</b>	<b>50.3%</b>	<b>94.8%</b>
<b>NJ</b>	<b>16.0%</b>	<b>51.8%</b>	<b>32.2%</b>	<b>84.0%</b>
<b>BH Special Ed.</b>	<b>25.0%</b>	<b>62.5%</b>	<b>12.5%</b>	<b>75.0%</b>
<b>NJ Special Ed.</b>	<b>42.4%</b>	<b>49.6%</b>	<b>8.0%</b>	<b>57.6%</b>

# HSPA 11<sup>2008</sup>

The HSPA was administered to students in grade 11 during the month of March 2008 and tested the following content areas:

**Language Arts Literacy**

**Mathematics**

# HSPA 11 - Language Arts Literacy

The literacy section focuses upon the assessment of skills and knowledge in the following areas:

- ***Writing***
  - ***Persuasive***
  - ***Picture***
- ***Reading***
  - ***Interpreting Text***
  - ***Analyzing / Critiquing Text***

# Language Arts Literacy <sup>2008</sup> HSPA

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>GLHS</b>	<b>4.2%</b>	<b>76.9%</b>	<b>18.9%</b>	<b>95.8%</b>
<b>DFG I</b>	<b>6.2%</b>	<b>70.9%</b>	<b>22.8%</b>	<b>93.7%</b>
<b>NJ</b>	<b>17.2%</b>	<b>70.6%</b>	<b>12.2%</b>	<b>82.8%</b>
<b>GLHS Special Ed.</b>	<b>30.8%</b>	<b>69.2%</b>	<b>0.0%</b>	<b>69.2%</b>
<b>NJ Special Ed.</b>	<b>56.8%</b>	<b>42.0%</b>	<b>1.2%</b>	<b>43.2%</b>



# HSPA 11- Mathematics

The mathematics section of the test measures students' knowledge and ability to solve problems by applying mathematical concepts in the following areas:

- *Number & Numerical Operations*
- *Geometry & Measurement*
- *Patterns & Algebra*
- *Data Analysis, Probability, and Discrete Mathematics Knowledge*
- *Mathematical Processes – Problem Solving*

# Mathematics <sup>2008</sup> HSPA

	Partially Prof.	Proficient	Adv. Proficient	Total Proficient
<b>GLHS</b>	<b>4.5%</b>	<b>50.0%</b>	<b>45.5%</b>	<b>95.5%</b>
<b>DFG I</b>	<b>10.0%</b>	<b>47.5%</b>	<b>42.5%</b>	<b>90.0%</b>
<b>NJ</b>	<b>25.2%</b>	<b>51.4%</b>	<b>23.4%</b>	<b>74.8%</b>
<b>GLHS Special Ed.</b>	<b>40.7%</b>	<b>59.3%</b>	<b>0.0%</b>	<b>59.3%</b>
<b>NJ Special Ed.</b>	<b>68.2%</b>	<b>29.0%</b>	<b>2.7%</b>	<b>31.7%</b>



**FINAL ANALYSIS  
NJ ASSESSMENTS  
2007-2008**

# Difference in Percentages: BH Compared to DFG I

	Grade 3		Grade 4		Grade 5	
	PP	AP	PP	AP	PP	AP
<b>LAL</b>	1.9	1.5	2.8	1.9	6.4	0
<b>Math</b>	2.5	3.2	0.8	5.8	0.7	4.9
<b>Science</b>			3.1	7.5		

PP – Partially Proficient

AP – Advanced Proficient

 – BH areas of strength as compared to other schools in DFG I

 – BH areas of concern as compared to other schools in DFG I

# Difference in Percentages: BH Compared to DFG I

	Grade 6		Grade 7		Grade 8		Grade 11	
	PP	AP	PP	AP	PP	AP	PP	AP
<b>LAL</b>	4.1	0.3	0.9	7.1	4.5	8.6	2	3.9
<b>Math</b>	0.5	5.3	1.9	2.3	10	7.8	5.5	3
<b>Science</b>					3.7	21.1		

PP – Partially Proficient

AP – Advanced Proficient

 – BH areas of strength as compared to other schools in DFG I

 – BH areas of concern as compared to other schools in DFG I



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