

**Analysis of PSSA Results  
for Berks County  
and Pennsylvania  
from 2008 to 2011**

**Prepared for the Berks Business  
Education Coalition  
by Robert S. Ryan, Ph.D.**

## **The Data**

- ✦ **PSSA results for Math and Reading (no Writing or Science)**
- ✦ **Values are percents of students who are "Advanced" or "Proficient"**
- ✦ **Results are broken down by grade and by district**
- ✦ **Results are for 2008 and 2011 to show improvements**

## Berks County - By Grade - MATH

	<u>2008</u>	<u>2011</u>	
<b>Grade 3</b>	82.6	85.5	$p = .0101$
<b>Grade 4</b>	81.9	87.7	$p < .0001$
<b>Grade 5</b>	75.6	78.0	$p = .0557$
<b>Grade 6</b>	80.2	83.8	$p = .0009$
<b>Grade 7</b>	73.9	83.4	$p < .0001$
<b>Grade 8</b>	74.5	83.1	$p < .0001$
<b>Grade 11</b>	57.0	61.6	$p = .0074$
<b>All</b> including Reading	77.6	82.3	$p < .0001$
<b>All</b> excluding Reading	81.6	86.0	$p < .0001$

## Berks County - By Grade - READING

	<u>2008</u>	<u>2011</u>	
<b>Grade 3</b>	78.4	79.3	$p = .5242$
<b>Grade 4</b>	71.1	74.9	$p = .0030$
<b>Grade 5</b>	61.5	68.2	$p = .0002$
<b>Grade 6</b>	74.4	72.0	$p = .5338$
<b>Grade 7</b>	71.5	77.4	$p < .0017$
<b>Grade 8</b>	80.2	82.3	$p = .1505$
<b>Grade 11</b>	68.2	70.7	$p = .1519$
<b>All</b> including Reading	71.9	74.9	$p < .0001$
<b>All</b> excluding Reading	76.7	80.6	$p < .0001$

## Berks County - By District - MATH

	<u>2008</u>	<u>2011</u>	
Wilson	88.3	92.0	$p = .0019$
Boyertown	89.9	90.7	$p = .5760$
Hamburg	80.0	88.4	$p = .0238$
Twin Valley	84.2	87.4	$p = .0895$
Exeter	81.4	87.0	$p = .0083$
Oley Valley	73.4	86.8	$p = .0087$
Gov. Mifflin	82.3	85.4	$p = .5371$
Daniel Boone	77.5	84.8	$p = .0009$
Fleetwood	82.4	84.5	$p = .4368$
Wyomissing	80.1	84.5	$p = .1830$
Kutztown	84.8	84.1	$p = .0704$
Tulpehocken	77.8	83.9	$p = .0046$
Schuylkill Val.	76.9	83.4	$p = .0058$
Conrad Weiser	75.7	81.2	$p = .0066$
Brandywine	76.8	80.6	$p = .2152$
Muhlenberg	72.4	74.2	$p = .4083$
Antietam	55.4	74.1	$p = .0053$
Reading	61.7	68.7	$p < .0001$
<b>All</b> including Reading	77.6	82.3	$p < .0001$
<b>All</b> excluding Reading	81.6	86.0	$p < .0001$

## Berks County - By District - READING

	<u>2008</u>	<u>2011</u>	
Wilson	80.1	88.7	$p = .0001$
Boyertown	82.4	83.1	$p = .5243$
Wyomissing	81.3	82.6	$p = .6688$
Exeter	79.8	82.3	$p = .3108$
Gov. Mifflin	82.7	81.8	$p = .5819$
Kutztown	76.6	81.2	$p = .0800$
Schuylkill Val.	77.1	81.1	$p = .0224$
Oley Valley	79.6	80.5	$p = .6355$
Twin Valley	78.9	80.3	$p = .3011$
Brandywine	75.7	80.3	$p = .1073$
Fleetwood	77.6	79.3	$p = .7188$
Daniel Boone	74.0	78.8	$p = .0080$
Hamburg	72.5	76.8	$p = .1293$
Tulpehocken	70.0	76.2	$p = .1213$
Conrad Weiser	69.2	73.7	$p = .1309$
Antietam	54.9	70.0	$p = .0078$
Muhlenberg	67.6	69.1	$p = .9925$
Reading	52.2	53.7	$p = .2672$
<b>All</b> including Reading	71.9	74.9	$p < .0001$
<b>All</b> excluding Reading	76.8	80.7	$p < .0001$

**PSSA Data 2008 - 2011**

<b>Math</b>	<b><u>2008</u></b>		<b><u>2011</u></b>	
	<b>Berks</b>	<b>PA</b>	<b>Berks</b>	<b>PA</b>
<b>Grade 3</b>	82.6	80.5	85.5	83.5
<b>Grade 4</b>	81.9	79.6	87.7	85.2
<b>Grade 5</b>	75.6	73.2	78.0	76.3
<b>Grade 6</b>	80.2	72.3	83.8	78.8
<b>Grade 7</b>	73.9	70.6	83.4	78.6
<b>Grade 8</b>	74.5	70.3	83.1	76.9
<b>Grade 11</b>	57.0	55.9	61.6	60.3
<b>All</b> including Reading	77.6	71.5	82.3	77.10

<b>Reading</b>	<b><u>2008</u></b>		<b><u>2011</u></b>	
	<b>Berks</b>	<b>PA</b>	<b>Berks</b>	<b>PA</b>
<b>Grade 3</b>	78.4	76.8	79.9	77.2
<b>Grade 4</b>	71.7	70.10	74.9	73.3
<b>Grade 5</b>	61.5	61.6	68.2	67.3
<b>Grade 6</b>	74.4	66.9	72.0	69.9
<b>Grade 7</b>	71.5	70.0	77.4	76.0
<b>Grade 8</b>	80.2	78.3	82.3	81.8
<b>Grade 11</b>	68.2	64.7	70.7	69.1
<b>All</b> including Reading	71.9	69.8	74.9	73.5

**Berks County - By Grade - MATH**

	<u>2008</u>	<u>2011</u>	
<b>Grade 3</b>	82.6	85.5	$p = .0101$
<b>Grade 4</b>	81.9	87.7	$p < .0001$
<b>Grade 5</b>	75.6	78.0	$p = .0557$
<b>Grade 6</b>	80.2	83.8	$p = .0009$
<b>Grade 7</b>	73.9	83.4	$p < .0001$
<b>Grade 8</b>	74.5	83.1	$p < .0001$
<b>Grade 11</b>	57.0	61.6	$p = .0074$
<b>All</b> including Reading	77.6	82.3	$p < .0001$
<b>All</b> excluding Reading	81.6	86.0	$p < .0001$

**Berks County - By Grade - READING**

	<u>2008</u>	<u>2011</u>	
<b>Grade 3</b>	78.4	79.3	$p = .5242$
<b>Grade 4</b>	71.1	74.9	$p = .0030$
<b>Grade 5</b>	61.5	68.2	$p = .0002$
<b>Grade 6</b>	74.4	72.0	$p = .5338$
<b>Grade 7</b>	71.5	77.4	$p < .0017$
<b>Grade 8</b>	80.2	82.3	$p = .1505$
<b>Grade 11</b>	68.2	70.7	$p = .1519$
<b>All</b> including Reading	71.9	74.9	$p < .0001$
<b>All</b> excluding Reading	76.7	80.6	$p < .0001$



## Berks 8<sup>th</sup> Grades - MATH

	<u>2008</u>	<u>2011</u>
Wilson Central JHS	89.1	.
Boyertown Area JHS-W	88.8	96.9
Hamburg Area MS	73.1	93.3
Governor Mifflin MS	81.8	92.5
Twin Valley MS	85.6	91.7
Oley Valley MS	75.8	91.5
Boyertown Area JHS-E	83.2	90.7
Fleetwood MS	82.7	88.8
Schuylkill Valley MI	81.0	88.4
Wilson West MS	.	88.4
Daniel Boone Area MS	77.8	87.4
Brandywine Heights M	82.0	86.4
Conrad Weiser MS	80.3	84.1
Wilson Southern MS	88.8	82.5
Kutztown Area MS	75.6	82.4
Exeter Twp MS	81.1	82.0
Tulpehocken JSHS	75.5	81.3
Muhlenberg MS	72.1	79.3
Wyomissing Area JSHS	83.0	77.2
Southern MS	55.6	74.2
Northwest MS	62.4	69.0
Northeast MS	63.7	68.0
Antietam Middle/Senior HS	45.7	67.1
Southwest MS	42.7	58.3

## Berks 8<sup>th</sup> Grades - Reading

	<u>2008</u>	<u>2011</u>
Wilson Central JHS	90.5	.
Twin Valley MS	88.8	96.1
Schuylkill Valley MI	91.8	93.9
Wilson West MS	.	93.4
Boyertown Area JHS-W	89.2	91.9
Governor Mifflin MS	89.8	90.7
Oley Valley MS	96.1	90.3
Wilson Southern MS	89.6	90.2
Boyertown Area JHS-E	84.8	89.6
Brandywine Heights M	88.7	89.2
Kutztown Area MS	82.9	88.9
Daniel Boone Area MS	87.8	88.4
Hamburg Area MS	76.9	87.3
Exeter Twp JHS	82.1	86.2
Fleetwood MS	85.5	86.1
Tulpehocken JSHS	82.7	84.6
Wyomissing Area JSHS	92.5	79.8
Muhlenberg MS	77.0	77.9
Conrad Weiser MS	82.9	76.2
Antietam Middle/Senior HS	57.6	74.1
Northwest MS	60.8	68.8
Southwest MS	53.9	59.3
Northeast MS	58.0	58.9
Southern MS	55.6	50.0

***Thank You !***