

### Ohio School Boards Association Capital Conference and Trade Show

November 13 - 16, 2011

Greater Columbus Convention Center Columbus, Ohio

### Power standards lead to blue ribbon success

Instruction
Tuesday, November 15, 2011
9:00 a.m.
C 111

Roger Knight, principal, Clear Fork Valley Local (Richland)
Jerry Julian, gifted and talented director, Clear Fork Valley Local (Richland)

### **Customized Workshops**

OSBA works with you to provide customized workshops

Leadership starts with skilled and well-informed school board members and administrators. OSBA customized workshops are:

- Designed specifically to meet the needs of the district and scheduled at convenient times for the board.
- Focuses on building a stronger management team and resolving conflict.
- Develops board and district goals and effective evaluation procedures.

For more information contact Kathy LaSota at (614) 540-4000 or (800) 589-OSBA.

Please complete an online conference evaluation either during or after the event at <a href="http://links.ohioschoolboards.org/CC11Evaluation">http://links.ohioschoolboards.org/CC11Evaluation</a>

### **OSBA Mission**

OSBA leads the way to educational excellence by serving Ohio's public school board members and the diverse districts they represent through superior service and creative solutions.

### **Ohio School Boards Association**

8050 North High Street, Suite 100 Columbus OH 43235-6481 (614) 540-4000 fax (614) 540-4100 www.osba-ohio.org Roger Knight, principal at Butler Elementary, Clear Fork Local Schools, and Jerry Julian, a gifted/talented supervisor have teamed up to present a program that specifically spells out the procedures that need to be in place in order to achieve quality results related to instruction.

Roger will present the logistical procedures that are necessary in order to lay the groundwork while Jerry will spell out how the curriculum is impacted, especially as it relates to mathematics, an area that Butler Elementary has selected to emphasize since it carries all other subjects when one considers the development of critical thinking skills, logic, organization, and problem solving.

Butler Elementary, a K-5 building with 360 students and 57% of its students economically disadvantaged had never passed a 4<sup>th</sup> grade math test prior to the 2005-2006 school year. Since then the scores have ranged from 88.7% to 98%. The fifth grade has also performed well, passing the math test each of the last five years.

Roger and Jerry believe that their simplistic formula can be replicated in any district.

OAA Comparisons

Grades 3,4,5

2011

Ashland, Crawford, Huron, Knox, Morrow and Richland Counties

## Ohio Achivement Tests - Preliminary Results

Mansfield Crestline	Bucyrus	Madison	Mount Gilead	Norwalk	New London	Northmor	Colonel Crawford	Galion	Willard	Ontario	Monroeville	South Central	Buckeye Central	Mount Vernon	Loudonville/Perrysville	Crestview	Wynford	Hillsdale	Ashland City	Mapleton	Bellevue	Shelby	Lucas	Danville	Plymouth	Belleville	Western Reserve	East Knox	Centerburg	Clear Fork	Highland	Cardington-Lincoln	Lexington	Butler	Fredericktown	Grade 3 Reading
72.2 66.1	72.9	77.2	77.9	78.7	79.2	79.3	79.4	80.1	81.4	81.8	82.5	83.6	83.9	84.7	85.0	85.7	86.8	87.0	87.3	87.9	88.4	88.6	88.9	89.1	89.3	ස ල හ	90.1	90.2	91.8	92.0	92.5	93.2	93.3	94.2	94.3	
Colonel Crawford Crestline	Northmor	Mansfield	Lucas	Mount Gilead	Loudonville/Perrysville	Monroeville	Crestview	Madison	Bucyrus	Galion	Norwalk	Willard	New London	South Central	Danville	Centerburg	Ontario	Plymouth-Shiloh	Mount Vernon	Highland	Ashland City	Wynford	Buckeye Central	Hillsdale	Mapleton	Shelby	Bellevue	Western Reserve	Belleville	Cardington-Lincoln	Lexington	Clear Fork	East Knox	Butler	Fredericktown	Grade 3 Math
66.1	69.8 69.3	74.0	75.0	75.8	77.7	80.0	81.6	2 2 2	82.9	83.7	83.5	83.7	85.2	85.3	85.5	85.6	85.7	85.7	86.2	86.4	87.7	88.2	89.3	89.5	90.1	90.2	90.8	92.6	93.0	94.5	95.4	95.6	96.1	96.2	96.5	

### Ohio Achivement Tests - Preliminary Results

Grade 4 Math

### Grade 4 Reading

Monroeville Mapleton Madison Bucyrus Mansfield Crestline	Wynford Mount Vernon Bellevue Galion	Belleville Danville New London Lucas Willard Northmor	Clear Fork Shelby East Knox Norwalk Buckeye Central Plymouth-Shiloh Butler	South Central Hillsdale Fredericktown Centerburg Crestview Colonel Crawford Ontario Lexington Highland Ashland Loudonville-Perrysville Mount Gilead Western Reserve Cardington-Lincoln
81.8 80.8 77.9 73.4 70.2	85.9 85.9 84.4 82.6	<b>88.0</b> 87.0 86.7 86.5 86.4 86.1	89.4 89.0 88.8 88.6 88.3 <b>88.2</b>	100.0 97.8 96.6 94.9 94.7 94.4 93.7 92.9 92.7 91.6 91.5 89.8 89.7
East Knox Willard Monroeville Mansfield Crestline	Galion Wynford Bucyrus Plymouth-Shiloh New London	Western Reserve Cardington-Lincoln Bellevue Mapleton Buckeye Central Madison	Mount Vernon Ashland Belleville Norwalk Northmor Shelby	South Central Fredericktown Crestview Hilldale Mount Gilead Centerburg Lucas Butler Danville Loudonville Clear Fork Lexington Ontario Highland Colonel Crawford
72.2 72.0 70.0 64.0 57.9	79.2 78.8 75.0 74.0 73.3	80.5 80.4 80.0 80.0 79.4	83.4 83.0 <b>82.6</b> 82.4 82.3 82.3	97.9 93.2 92.6 90.2 89.4 88.5 88.5 87.0 86.3 86.3 86.3 86.1 85.7 85.2

## Ohio Achivement Tests - Preliminary Results

Grade 5 Reading  Monroeville  Belleville  Lucas  Butler  Clear Fork  Ontario  Crestview  Lexington  Centerburg	93.8 88.7 88.6 87.7 87.6 86.3 85.9	Grade 5 Math  Loundonville-Perrysville  Butler  Clear Fork  Belleville  Crestview  Lexington  Mapleton  Ontario  Mount Vernon	85.4  83.1  80.6  80.4  79.7  78.3  76.6  73.6	
. rg	85.9 85.5 85.1	Ontario Mount Vernon Plymouth-Shiloh	76 73 73	76.6 73.6 73.5
Willard Cardington-Lincoln	83.1 83.0	Cardington-Lincoln Ashland	72.3 71.2	. ,
Hillsdale Fredericktown	82.6 82.2	Bellevue Hillsdale	71.1 70.9 60.7	7 9 1
Wynford Rellevie	81.3 80.3	Willard New   ondon	തത	69.4 68.8
Mapleton Danville	79.7 78.9	East Knox Monroeville	<i>~</i> ~	68.0 66.7
Crestline	78.6	Western Reserve		66.7
Mount Vernon  Plymouth-Shiloh	77.4 76.5	Mount Gilead Norwalk		66.7 66.3
Norwalk	75.9 75.9	Fredericktown Shelby	<b>.</b>	66.3 65.7
East Knox	75.3 75.0	Highland Madison		65.0 64.9
Western Reserve	74.5	Buckeye Central		61.4
South Central Ashland	73.9 73.8	Wynford Northmor		61.3 61.2
Loundonville-Perrysville	72.6 70.0	Crestline		60.7
Madison	68.7	Lucas		56.8
Galion Mount Gilead	68.4 67.7	Bucyrus Galion		54.4
Buckeye Central	64.9	South Central		52.9
Mansfield				52.9 49.3 48.5

## **BUTLER ELEMENTARY TESTING DATA 2011**

Test Score History 75% Required

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<b>2004/05</b> 78.3	2003/04 53.3 53.3 63.3 43.3 51.7	<b>1995/96</b> 32.5 47.5 40.0 50.0	<b>2003/04</b> 80.4
<b>2005/06</b> 84.0 69.0	2004/05 41.4 70.7 63.8 46.6 37.9	1996/97 36.4 72.1 72.7 68.2 50.0	<b>2004/05</b> 77.2 78.9
2006/07 82.4 88.2 78.4 72.5	2005/06 88.7 83.0 96.2	FO 1997/98 40.0 50.0 57.8 56.9 51.7	<b>2005/06</b> 85.5 87.3
FIFTH GRADE 2007/08 92.3 92.3 92.3 78.8 90.4	<b>2006/07</b> 98.0 92.2 98.0	FOURTH GRADE  8 1998/99 1  40.3 62.9 64.5 72.6 50.0	<b>2006/07 20 2006/07 20</b> 96.5 87.7
2008/09 2008/09 85.5 80.6 85.5 82.3	2007/08 94.5 92.7 96.4	1999/00 55.4 75.4 92.3 84.6 58.5	2007/08 89.1 90.9
<b>2009/10</b> 91.5 89.8 93.2	<b>2008/09</b> 96.4 98.2 94.6	<b>2000/01</b> 61.1 53.7 81.5 64.8 53.7	<b>2008/09</b> 93.3 91.7
<b>2010/11</b> 87.7 83.1 81.5	<b>2009/10</b> 93.8 93.8	2001/02 62.9 71.0 85.9 59.7 64.5	<b>2009/10</b> 90.7 87.0
	<b>2010/11</b> 88.2 88.2	2002/03 37.0 70.4 79.6 61.1 68.5	<b>2010/11</b> 96.2 94.2

2006/07	2007/08	2008/09	2009/10	2010/11
5.26	8.92	9.83	22.22	9.61
20.37	5.26	8.7	17.74	26,53
1000	3F /0	`	)	
	<b>2006/07</b> 5.26 20.37	<b>2006/07 2007/08</b> 5.26 8.92 20.37 5.26		<b>2007/08</b> 3 8.92 5.26

Percentage Proficient or Above: IEP; Reading Recovery; Title I

IEP (5) RR (8) Title I (9)	Reading 4/5 6/8 8/9 8/9 Reading 8/9	THIRD GRADE  80% 75% 88.80% FOURTH GRADE	Math 4/5 7/8 9/9  E Math 9/9	80% 87.50% 100%
Title I (9)	6/8 8/9	75% 88.80% FOURTH GRAD	7/8 9/9	87.50 100
EP (9)	Reading 8/9	88.80%	Math 9/9	1000
RR (5)	4/5 8/9	80% 88 80%	5/5 9/9	100% 100%
	Reading	FIFTH GRADE		
IEP (8) RR (9)	3/8 8/9	37.50% 88.8%	3/8 9/9	37.5% 100%
Title I (8)	7/8	87.50%	8/8	100

**Science** 4/8 8/9 8/8

50% 88.8% 100%

# Ohio Achievement Tests - Butler/State Comparison 2010/11

### THIRD GRADE

Reading Math Science		Reading Math	Reading Math
Butler 87.7 83.1 81.5		<b>Butler</b> 88.2 88.2	<b>Butler</b> 94.2 96.2
<b>State</b> 74.0 66.0 71.0	FIFTH GRADE	FOURTH GRADE State 84.0 79.0	<b>State</b> 80.0 82.0
Gain/Loss +13.7 +17.1 +10.5		Gain/Loss +4.2 +9.2	<u>Gain/Loss</u> +14.2 +14.2

### Setting the Stage for Success

The following represent the immediate positive outcomes that have been realized at Butler Elementary School.

- NO a.m. and p.m. announcements. Teachers begin the day and end the day.
- Common planning time for teachers 7:45 a.m. 8:00 a.m. before students arrive in classrooms
- Reduced lunch period from 60 minutes to 35 minutes
- Implemented a Principal's noon study session for referred students in grades 3, 4, and 5 11:35 a.m. to 12:40 p.m.
- Teachers' meetings once per month not to exceed 30 minutes celebrations of success
- Do not collect lesson plans
- Principal mini conferences with students-grade cards
- Intervention after school math, no reading
- Reading Recovery a huge, necessary component
- Special Education most receive same academic presentations as regular ed with support
- Mutual respect and love demonstrated among staff, students and community members

exponent! ( ): Nov. 8 24 dison 9+5=14 うきんり 6-21=24 76-=26: 745=12 --45)-19-9 5)-49 -21=4 41=70 45-(4)-9 9+57:7-2/19= -21=1 [a=c 1276 7:4 =6 H5-(F 26 原=3 31-2=4 4=24 8 19=3 345-15 305-15 =8 (19),45=15 8-17=4 15-7-3 71=4 11-20 5=14 257 = H

1101.8 29 (3) +- KIT EXPORAT! ( TAMA 45=14 9+5=14 (14:7),71:4 4771:21 745=12 5):19:10:15=14 12 12 1 3 2 = U 3 2 = U (745),9=3176:12 4 = 74 36512 12-9-5 12-9=3 7(3)(1)=24 745=12 12-(9-21)=4 4/674 75=12 7+5=12 7+5=12 12-19=9 12-19=9 7-19-9 17-19=9 6-21=4 41=24 41=24 7+5=12 17-7-9 12-3=9 23.9 59:26 (A=6 41=74 G EJU

### Developing 21<sup>st</sup> Century Thinking Skills within the Mathematical Curriculum

When thinking skills are presented in the context of teaching content, they are more meaningful and more likely to be acquired.

### Important Ideas

- 95% of all students that struggle with mathematics are tactile kinesthetic learners
- Increase wait time
- Most individuals need 20-25 incidents of learning to master a concept
- An important parameter for developing problem solving is to enhance spatial vizualizatian skills
- Listening skills must be practiced
- Provide opportunity to develop communication skills
- The key to success is "motivation"

### Targeted Thinking Skills

- Logic & Reasoning
- Problem Solving
- Convergent/Divergent Thinking
- Inductive/Deductive Reasoning
- Lateral Thinking
- Outside The Box
- Socratic Method

### Program

Time On Task

- 80/20 Split
- Liberal use of hands-on materials
- Emphasis on correct vocabulary
- The belief that all students can become fluent in the Basic Facts
- After school program that's meaningful, fun, and challenging

### Recommended Reading

- 1) OUTLIERS by Malcolm Gladwell
- 2) WHY DON'T STUDENTS LIKE SCHOOL? By Daniel Willingham
- 3) THE GENIUS in ALL of US by David Shenk

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