



Ohio School Boards Association Capital Conference and Trade Show

November 7 – 10, 2010

Greater Columbus Convention Center
Columbus, Ohio

Power standards lead to blue ribbon success

Student achievement

Monday, November 8, 2010

9:00 a.m.

C 111

Roger Knight, elementary principal, Clear Fork Valley Local (Richland)

Jerry Julian, talented and gifted coordinator/math coach, Clear Fork Valley Local (Richland)

Board Leadership Institute

OSBA's Board Leadership Institute (BLI) is a two-day intensive conference specifically designed for and by board members. The conference features multiple learning tracks covering current, important educational topics presented by nationally renowned speakers and education experts.

The 2011 BLI will take place on April 29-30 at the Hilton Polaris in Columbus. Twenty points will be awarded for attendance and completion of the institute, which may be applied toward receiving OSBA's Award of Achievement and Master Board Member Award.

Contact Rob Delane at (614) 540-4000 or (800) 589-OSBA for further information.

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

SPRING, 2010

**COMPARISON OAA SCORES
BUTLER ELEMENTARY**

**COUNTIES OF ASHLAND, CRAWFORD,
HURON,
KNOX, MORROW, RICHLAND**

(35 SCHOOL DISTRICTS)

THIRD GRADE READING
OAA - 2010

SCHOOL	****	SCORE
Crestview		96.7
Cardington	Lincoln	96.3
Lexington		96.1
Centerburg		95.1
Mapleton		94.3
Frederick	town	93.8
Shelby		92.8
Western	Reserve	91.8
Ontario		91.1
Bellevue		90.7
Lucas		90.4
Highland		90
Hillsdale		88.6
Loudonville		88.2
Colonel	Crawford	87.7
BUTLER		87
Mount	Vernon	84.9
East Knox		84.6
BELLVILLE		83.7
CLEAR FORK		83.3
Ashland		83.2
New London		83.1
South	Central	82.9
Willard		81.1
Northmor		79
Danville		78.9
Wynford		77.5
Galion		75.6
Norwalk		75.5
Mount	Gilead	74.2
Monroeville		73.2
Buckeye	Central	70.7
Madison		70.6
Bucyrus		68.4
Mansfield		65.2
Plymouth		65
Crestline		59

THIRD GRADE MATH
OAA - 2010

SCHOOL	****	SCORE
Cardington	Lincoln	93.9
Mapleton		92.5
Fredrick	town	91.5
BUTLER		90.7
Highland		90.7
Lexington		89.5
Shelby		89.5
Ontario		89.4
Loudonville		88.9
CLEAR FORK		88.9
Hillsdale		88.5
BELLVILLE		88.4
Western	Reserve	87.6
New London		86.8
South	Central	86
Crestview		84.4
Colonel	Crawford	83.1
Centerburg		82.9
Bellevue		81.5
Ashland		80.9
Danville		80.8
Mount	Vernon	80.2
Norwalk		80.1
Willard		79.1
Northmor		77.8
Buckeye	Central	75.6
Galion		75.6
Lucas		75
Bucyrus		74.7
Wynford		73.8
East Knox		73.3
Madison		70.9
Mount	Gilead	70.8
Mansfield		68.5
Monroeville		65.9
Plymouth		60
Crestline		55.7

FOURTH GRADE READING
OAA - 2010

SCHOOL	****	SCORE
Lexington		97.9
Centerburg		97.5
Frederick	town	96.1
Crestview		94.2
Plymouth		94
BUTLER		93.8
Monroeville		93.6
Wynford		92.5
CLEAR	FORK	92.4
Ontario		91.7
East Knox		90.9
Willard		90.5
Highland		90.5
BELLVILLE		90.2
Shelby		89.9
Hillsdale		89.7
Northmor		89.2
Lucas		88.4
Bellevue		87.5
Cardington	Lincoln	86.5
Loudonville		86.4
Western	Reserve	86.2
Buckeye	Central	86
Colonel	Crawford	85.5
Danville		83.9
Norwalk		82.2
Bucyrus		81.3
Ashland		80.5
New London		80.5
Mount	Vernon	80.5
Crestline		79
Madison		78.4
Galion		77.3
Mapleton		76.3
Mount	Gilead	75.8
South	Central	75
Mansfield		59.6

**FOURTH GRADE MATH
OAA - 2010**

SCHOOL	****	SCORE
BUTLER		93.8
Wynford		92.5
Frederick	town	92.2
Lexington		91.4
Plymouth		89.6
Crestview		87.4
Ontario		87.1
CLEAR FORK		87.1
BELLVILLE		86.9
Highland		86.1
Northmor		83.8
Lucas		83.7
Mount	Vernon	83.4
Cardington	Lincoln	83.3
Shelby		82.7
Hillsdale		82.5
Bellevue		81.6
Centerburg		81.5
Monroeville		80.9
Buckeye	Central	80.7
Colonel	Crawford	79.7
Loudonville		79.6
South	Central	79.2
Ashland		78.5
East Knox		78.4
Norwalk		77
Western	Reserve	75.9
Galion		75.2
Willard		73
Madison		71.7
Mount	Gilead	69.2
Mapleton		68.4
Bucyrus		65.4
Danville		62.5
Crestline		61.3
New London		51.7
Mansfield		45.3

**FIFTH GRADE READING
OAA - 2010**

SCHOOL	****	SCORE
BUTLER		91.5
Frederick	town	91.3
Loudonville		87.8
Plymouth		87
Lexington		86.4
Ashland		83.3
CLEAR	FORK	83.2
Ontario		82.6
New London		82.1
Highland		82
Hillsdale		80.9
Norwalk		80.9
Centerburg		80.6
Mount	Vernon	80.5
Buckeye	Central	80.4
BELLVILLE		78.8
Crestview		77.4
Shelby		76.9
Bellevue		74.5
Cardington	Lincoln	73.3
Willard		71.2
Northmor		71
Western	Reserve	70.9
East Knox		70.8
Mount	Gilead	70.6
Lucas		70.2
Madison		69.3
Monroeville		69.2
Wynford		69
South	Central	65.6
Colonel	Crawford	65
Galion		63.8
Crestline		62.7
Mapleton		62.2
Danville		60.3
Bucyrus		60
Mansfield		44.7

**FIFTH GRADE MATH
OAA - 2010**

SCHOOL	****	SCORE
BUTLER		89.8
Highland		84.4
Lexington		81.6
Frederick	town	81.3
Loudonville		79.4
CLEAR FORK		78.5
Norwalk		77.8
Mount	Vernon	77.5
Ashland		77
BELLVILLE		75.3
Mapleton		74.4
Plymouth		73.9
Ontario		73.8
Bellevue		70.9
Buckeye	Central	70.6
Shelby		69.8
Hillsdale		69.1
Cardington	Lincoln	67.4
Madison		67.4
New London		66.7
Willard		65.3
Crestview		65.1
Gallon		64.4
Mount	Gilead	64.2
Lucas		63.8
Colonel	Crawford	62.5
Centerburg		62.2
Monroeville		61.5
Western	Reserve	60.5
Wynford		59.8
South	Central	55.6
Northmor		54.2
Crestline		51.5
Bucyrus		47.8
East Knox		45.8
Danville		44.4
Mansfield		32.9

**FIFTH GRADE SCIENCE
OAA - 2010**

SCHOOL	****	SCORE
South	Central	96.8
Frederick	town	96.3
BUTLER		93.2
Plymouth		91.3
New London		88.5
CLEAR FORK		87.3
Loudonville		86.7
BELLVILLE		84.7
Buckeye	Central	80.4
Highland		79.7
Mount	Vernon	79.5
Norwalk		79.1
Lexington		78.4
Mapleton		78.1
Ashland		77.4
Hillsdale		76.5
Shelby		76.4
Ontario		74.5
Cardington	Lincoln	72.1
Bellevue		71.8
Centerburg		71.4
Crestview		71.1
Madison		70.6
Lucas		70.2
Mount	Gilead	68.2
Monroeville		67.3
Western	Reserve	66.3
Wynford		65.5
Danville		65.1
Galion		64.4
Willard		63.6
East Knox		63.5
Colonel	Crawford	61.3
Northmor		59.8
Bucyrus		57.4
Crestline		54.4
Mansfield		35.5

BUTLER ELEMENTARY TESTING DATA - 2010

I. Test Score History 75% Required

	<u>2003/04</u>	<u>2004/05</u>	<u>2005/06</u>	THIRD GRADE			
				<u>2006/07</u>	<u>2007/08</u>	<u>2008/09</u>	<u>2009/10</u>
M	—	77.2	85.5	96.5	89.1	93.3	90.7
R	80.4	78.9	87.3	87.7	90.9	91.7	87.0

FOURTH GRADE

	<u>95/96</u>	<u>96/97</u>	<u>97/98</u>	<u>98/99</u>	<u>99/00</u>	<u>00/01</u>	<u>01/02</u>	<u>02/03</u>
M	32.5	36.4	40.0	40.3	55.4	61.1	62.9	37.0
R	47.5	72.1	50.0	62.9	75.4	53.7	71.0	70.4
W	40.0	72.7	57.8	64.5	92.3	81.5	85.9	79.6
C	50.0	68.2	56.9	72.6	84.6	64.8	59.7	61.1
S	30.0	50.0	51.7	50.0	58.5	53.7	64.5	68.5
M	<u>03/04</u>	<u>04/05</u>	<u>05/06</u>	<u>06/07</u>	<u>07/08</u>	<u>08/09</u>	<u>09/10</u>	
	53.3	41.4	88.7	98.0	94.5	96.4	93.8	
R	53.3	70.7	83.0	92.2	92.7	98.2	93.8	
W	63.3	63.8	96.2	98.0	96.4	94.6		
C	43.3	46.6	—	—	—	—	—	
S	51.7	37.9	—	—	—	—	—	

FIFTH GRADE

	<u>04/05</u>	<u>05/06</u>	<u>06/07</u>	<u>07/08</u>	<u>08/09</u>	<u>09/10</u>
R	78.3	84	82.4	92.3	85.5	91.5
M	—	69	88.2	92.3	80.6	89.8
S	—	—	78.4	78.8	85.5	93.2
SS	—	—	72.5	90.4	82.3	—

II. IEP Percentages

	<u>06/07</u>	<u>07/08</u>	<u>08/09</u>	<u>09/10</u>
Third	5.26	8.92	9.83	22.22
Fourth	20.37	5.26	8.7	17.74
Fifth	12.96	25.49	3.1	12.0

III. Percentage Proficient or Above: IEP; Reading Recovery; Title 1 (2009-10)

THIRD GRADE

	<u>Reading</u>	<u>Math</u>
IEP (12)	10/12 83%	9/12 75%
RR (7)	7/7 100%	7/7 100%
TITLE 1 (10)	10/10 100%	10/10 100%

FOURTH GRADE

	<u>Reading</u>	<u>Math</u>	<u>Writing</u>
IEP (11)	8/11 72.72	7/11 63.63	_____
RR (9)	9/9 100%	9/9 100%	_____
TITLE 1 (10)	10/10 100%	10/10 100%	_____

FIFTH GRADE

	<u>Reading</u>	<u>Math</u>	<u>Science</u>	<u>Social Studies</u>
IEP (7)	5/7 71.42%	5/7 71.42%	7/7 100%	_____
RR (7)	5/7 71.42%	4/7 57%	6/7 85.71%	_____
TITLE 1 (7)	5/7 71.42%	4/7 57%	6/7 85.71%	_____

IV. Ohio Achievement Tests - Butler/State Comparison (2009-10)

THIRD GRADE

	<u>Butler</u>	<u>State</u>	<u>Gain/Loss</u>
Reading	87.0	79.0	+8.0
Math	90.7	77.0	+13.7

FOURTH GRADE

	<u>Butler</u>	<u>State</u>	<u>Gain/Loss</u>
Reading	93.8	82.0	+11.8
Math	93.8	77.0	+16.8

FIFTH GRADE

	<u>Butler</u>	<u>State</u>	<u>Gain/Loss</u>
Reading	91.5	72.0	+19.5
Math	89.8	67.0	+22.8
Science	93.2	70.0	+23.2

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

Developing 21st 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 visualization 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

E K 4 7

Rule: If a card has a vowel on one side, then it has an even number on the other.

• • • • • • • • •
 • • • • • • • • •
 • • • • • • • • •