

# 2017 FSA - Math Orange County Turnaround Middle Schools



*Math. Trust. Results.*

**ACALETICS® Math Partnerships**

# About ACALETICS®

Founded in 1985, ACALETICS is a system of research-based and results-based supplemental products and services. The program is designed to enhance classroom instruction and boost student performance and achievement. The ACALETICS® model is based on the idea that, like athletics, success in academics requires a structured game plan for preparation, conditioning, analysis, and redress.

ACALETICS® has helped over 400 schools and more than 400,000 students dramatically improve classroom instruction and learning, test scores, and student competence and confidence by providing invaluable resources and direct support to teachers and school administrators.

ACALETICS® was recognized by the Florida Department of Education and the Council for Educational Change (CEC), established by the Florida Annenberg Challenge, as a Best Practice in Mathematics at the 8th Florida Leadership Academy held at the University of South Florida in Tampa.

## **ACALETICS® 4-Pronged Approach**

### **Content-focused**

- Materials are strategically designed to help teachers focus on what matters most – developing conceptual understanding, procedural skills and fluency, and application with equal intensity.

### **Data-driven Instructional Model**

- This model is designed to supplement instructional time by incorporating opportunities for extended exposure to concepts and skills as well as multi-strand exposure to concepts and skills within the designated class period. This is achieved through the highly-successful **Math Club<sup>SM</sup>**. Key to the success of **Math Club<sup>SM</sup>** is the creation of an emotionally-safe environment where intellectual risk-taking is cultivated.

### **Ongoing Assessment and Accountability**

- ACALETICS® provides a comprehensive system of assessment and progress-monitoring tools to help schools set their goals and make decisions about how to reach them. With the support of an ACALETICS® consultant, the assessment data is analyzed and organized to enable teachers to align their instruction to more effectively meet the needs of the students.

### **Professional Development**

- Professional development is a key component of the ACALETICS® system. Activities include data analysis, workshops and in-class demonstrations to model effective instructional techniques and strategies.

The evidence of successful partnerships between ACALETICS and schools is clear and compelling. We are confident our unique combination of content-focused materials that are fully-aligned with the more rigorous state standards, data-driven instructional best practices, a system of assessment and accountability and ongoing formal and informal professional development and support, will allow us to continue to help facilitate teacher planning and instruction and improve student performance in math.

## 2016 & 2017 FSA – Math Lowest 25% Learning Gains Ranking (Orange County Title 1 Middle Schools)

**Carver & Meadowbrook Middle Schools (2017 ACALETICS® Partners)**

**2016 Ranking Prior to Partnership**

**2017 Ranking After Partnership**

2016 District Rank	School Name	2016 Math Lowest 25% Learning Gains
1	FREEDOM MIDDLE	53
2	MEADOW WOODS MIDDLE	51
3	WALKER MIDDLE	46
4	LEE (COLLEGE PARK) MIDDLE	44
4	WESTRIDGE MIDDLE	44
4	LOCKHART MIDDLE	44
4	ROBINSWOOD MIDDLE	44
8	PIEDMONT LAKES MIDDLE	41
9	JACKSON MIDDLE	40
10	UNION PARK MIDDLE	39
11	MEADOWBROOK MIDDLE	38
12	MEMORIAL MIDDLE	36
12	SOUTH CREEK MIDDLE	33
14	LIBERTY MIDDLE	29
15	CARVER MIDDLE	26

2017 District Rank	School Name	2017 Math Lowest 25% Learning Gains	Math Lowest 25% Learning Gains % Change (2016 to 2017)	2016 District Rank
1	CARVER MIDDLE	57	+31	15 (+14)
2	MEADOWBROOK MIDDLE	56	+18	11 (+09)
3	WALKER MIDDLE	49	+03	3 (00)
4	SOUTH CREEK MIDDLE	46	+13	12 (+08)
5	ROBINSWOOD MIDDLE	44	00	4 (-01)
5	JACKSON MIDDLE	44	+04	9 (+04)
7	FREEDOM MIDDLE	43	-10	1 (-06)
8	UNION PARK MIDDLE	42	+03	10 (+02)
9	MEMORIAL MIDDLE	41	+05	12 (+03)
10	WESTRIDGE MIDDLE	40	-04	4 (-06)
11	LOCKHART MIDDLE	39	-05	4 (-07)
11	PIEDMONT LAKES MIDDLE	39	-02	8 (-03)
13	LEE (COLLEGE PARK) MIDDLE	37	-07	4 (-09)
14	MEADOW WOODS MIDDLE	33	-18	2 (-12)
14	LIBERTY MIDDLE	33	+04	14 (00)

**Notes:**

- 1) In 2017, Carver & Meadowbrook Middle’s **Math Lowest 25% Learning Gains** outperformed 100% of Orange County’s Title 1 middle schools.
- 2) Carver & Meadowbrook Middle increased their **Math Lowest 25% Learning Gains** ranking by **+14** and **+09** points, respectively.
- 3) Excluding Carver & Meadowbrook Middle (ACALETICS® Partners), only **4 out of 13 (31%)** of the Title 1 middle schools improved their **Math Lowest 25% Learning Gains** ranking.
- 4) From 2016-2017, **7 out of 15 (47%)** schools decreased their performance ranking among Title 1 middle schools (**Math Lowest 25% Learning Gains** ranking).

## 2016 & 2017 FSA – Math Grade % Passing Ranking (Orange County Title 1 Middle Schools)

**Carver & Meadowbrook Middle Schools (2017 ACALETICS® Partners)**

2016 Ranking **Prior** to Partnership



2017 Ranking **After** Partnership

2016 District Rank	School Name	2016 % Passing Math
1	FREEDOM MIDDLE	46
2	MEADOW WOODS MIDDLE	42
3	SOUTH CREEK MIDDLE	38
4	PIEDMONT LAKES MIDDLE	37
5	LEE (COLLEGE PARK) MIDDLE	34
6	UNION PARK MIDDLE	33
7	JACKSON MIDDLE	32
8	WALKER MIDDLE	31
9	LOCKHART MIDDLE	27
10	MEMORIAL MIDDLE	25
11	LIBERTY MIDDLE	24
12	WESTRIDGE MIDDLE	22
12	ROBINSWOOD MIDDLE	22
14	<b>MEADOWBROOK MIDDLE</b>	<b>20</b>
15	<b>CARVER MIDDLE</b>	<b>18</b>

2017 District Rank	School Name	2017 % Passing Math	2017 *Performance Variance (PV)	2016 District Rank
1	PIEDMONT LAKES MIDDLE	42	07	4 (+03)
2	FREEDOM MIDDLE	37	35	1 (-01)
3	SOUTH CREEK MIDDLE	37	36	3 (00)
4	LEE (COLLEGE PARK) MIDDLE	37	12	5 (+01)
5	JACKSON MIDDLE	34	20	7 (+02)
6	MEADOW WOODS MIDDLE	31	18	2 (-04)
7	<b>MEADOWBROOK MIDDLE</b>	<b>30</b>	<b>04</b>	<b>14 (+07)</b>
7	WALKER MIDDLE	30	17	8 (+01)
9	<b>CARVER MIDDLE</b>	<b>29</b>	<b>03</b>	<b>15 (+06)</b>
10	LOCKHART MIDDLE	26	09	9 (-01)
11	UNION PARK MIDDLE	25	09	6 (-05)
12	WESTRIDGE MIDDLE	24	16	12 (00)
13	ROBINSWOOD MIDDLE	23	11	12 (-01)
14	LIBERTY MIDDLE	21	14	11 (-03)
15	MEMORIAL MIDDLE	18	16	10 (-05)

**Notes:**

- 1) Meadowbrook & Carver Middle increased their % **Passing Math** ranking by **+07** and **+06** points, respectively.
- 2) Excluding Meadowbrook & Carver Middle (ACALETICS® Partners), only **3 out of 13 (23%)** of the Title 1 middle schools improved their performance ranking.
- 3) From 2016 to 2017, **7 out of 15 (47%)** schools decreased their performance ranking among Title 1 middle schools (% **Passing Math**).

\*Performance Variance (PV): Grade with **Highest** Percent Passing – Grade with **Lowest** Percent Passing

## 2016 versus 2017 FSA – Math % Passing (Percentage-Point Change) Ranking (Orange County Title 1 Middle Schools)

Carver Middle’s performance was tremendous on the 2017 FSA Math as measured by their **FSA Math % Passing Percentage Point Change**. Orange County’s Carver Middle is among the **Top 1% (ranked #6 out of 463 traditional middle schools)** for its **(2017 vs. 2016) FSA Math % Passing Percentage Point Change of +11**. This placed Carver Middle in the **#1** spot in Orange County.

Meadowbrook Middle’s performance was tremendous on the 2017 FSA Math as measured by their **FSA Math % Passing Percentage Point Change**. Orange County’s Meadowbrook Middle is among the **Top 1% (#8 out of 463 traditional middle schools)** for its **(2017 vs. 2016) FSA Math % Passing Percentage Point Change of +10**. This placed Meadowbrook Middle in the **#2** spot in Orange County.

### Carver & Meadowbrook Middle Schools (2017 ACALETICS® Partners)

2017 District Rank	School Name	2016 % Passing Math	2017 % Passing Math	Math Grades (6-8) Percentage Point Change (2017 vs 2016)	2017 % Passing Math Grade 6	2017 % Passing Math Grade 7	2017 % Passing Math Grade 8	2017 *Performance Variance (PV)	2016 School Grade	2017 School Grade
1	CARVER MIDDLE	18	29	+11	30	28	27	03	F	C
2	MEADOWBROOK MIDDLE	20	30	+10	32	28	28	04	D	C
3	PIEDMONT LAKES MIDDLE	37	42	+05	38	45	42	07	C	C
4	LEE (COLLEGE PARK) MIDDLE	34	37	+03	36	42	30	12	C	C
5	JACKSON MIDDLE	32	34	+02	25	45	26	20	C	C
5	WESTRIDGE MIDDLE	22	24	+02	26	29	13	16	C	C
7	ROBINSWOOD MIDDLE	22	23	+01	17	28	25	11	C	C
8	SOUTH CREEK MIDDLE	38	37	-01	22	54	18	36	C	C
8	WALKER MIDDLE	31	30	-01	37	31	20	17	C	C
8	LOCKHART MIDDLE	27	26	-01	26	22	31	09	C	C
11	LIBERTY MIDDLE	24	21	-03	19	30	16	14	C	C
12	MEMORIAL MIDDLE	25	18	-07	26	15	10	16	D	D
13	UNION PARK MIDDLE	33	25	-08	28	27	19	09	C	C
14	FREEDOM MIDDLE	46	37	-09	34	49	14	35	B	B
15	MEADOW WOODS MIDDLE	42	31	-11	39	31	21	18	C	C

*Note: Middle schools missing 2016 and/or 2017 data for one or more grades were excluded from this analysis.*

*\*Performance Variance (PV): Grade with **Highest** Percent Passing – Grade with **Lowest** Percent Passing*

# AMAZING STORY

## 2016 & 2017 FSA – Math % Passing (Orange County Title 1 Middle Schools)

In 2016, Freedom Middle School ranked #1 among Orange County's 15 Title 1 middle schools for % **Passing Math**. On the other hand, Carver & Meadowbrook Middle ranked #15 and #14, respectively.

In 2017, Carver and Meadowbrook Middle significantly **reduced** and **reversed** achievement gaps relative to Freedom Middle School.

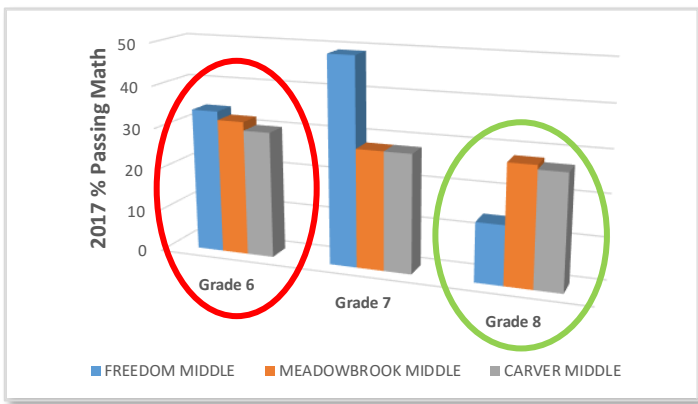
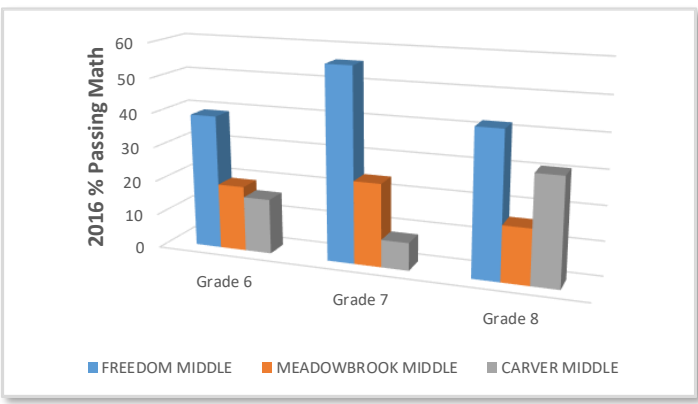
### Carver & Meadowbrook Middle Schools (2017 ACALETICS® Partners)

School Name	2016 % Passing Math	2017 % Passing Math	Math Grades (6-8) Percentage Point Change (2017 vs 2016)
CARVER MIDDLE	18	29	+11
MEADOWBROOK MIDDLE	20	30	+10
FREEDOM MIDDLE	46	37	-09

2016 FSA-Math **Prior** to Partnership



2017 FSA-Math **After** Partnership



## 2016 to 2017 FSA – Math Components % Change Ranking (Orange County Middle Schools)

In terms of FSA - Math Components % Change (2016 to 2017), Carver & Meadowbrook Middle outperformed 100% of Orange County's traditional middle schools. (See chart below.)

**Math Components % = Average of Math Achievement, Math Learning Gains and Math Lowest 25% Learning Gains**

**Carver & Meadowbrook Middle Schools (2017 ACALETICS® Partners)**

2017 District Rank	School Name	(2016) Math Achievement	(2016) Math Learning Gains	(2016) Math Lowest 25% Learning Gains	(2016) Math Components Percent	(2017) Math Achievement	(2017) Math Learning Gains	(2017) Math Lowest 25% Learning Gains	(2017) Math Components %	Math Component % Change (2016 to 2017)
1	*CARVER MIDDLE	22	31	26	26	35	62	57	51	+25
2	*MEADOWBROOK MIDDLE	26	41	38	35	37	57	56	50	+15
3	SOUTHWEST MIDDLE	60	52	38	50	63	64	54	60	+10
4	*SOUTH CREEK MIDDLE	50	46	33	43	53	56	46	52	+09
5	CHAIN OF LAKES MIDDLE	46	44	38	43	49	55	50	51	+08
5	MAITLAND MIDDLE	66	54	35	52	68	61	50	60	+08
7	SUNRIDGE MIDDLE	79	65	55	66	79	73	66	73	+07
7	GOTHA MIDDLE	61	53	43	52	59	59	60	59	+07
9	GLENRIDGE MIDDLE	67	66	48	60	70	70	57	66	+06
10	LAKE NONA MIDDLE	77	70	60	69	81	72	69	74	+05
11	*ROBINSWOOD MIDDLE	29	40	44	38	33	50	44	42	+04
11	*JACKSON MIDDLE	44	46	40	43	47	49	44	47	+04
11	BRIDGEWATER MIDDLE	74	65	58	66	75	74	62	70	+04
14	LEGACY MIDDLE	49	48	43	47	47	53	49	50	+03
14	*WALKER MIDDLE	42	49	46	46	43	56	49	49	+03
14	*LIBERTY MIDDLE	35	35	29	33	35	40	33	36	+03
17	HUNTERS CREEK MIDDLE	79	68	63	70	79	72	66	72	+02
17	CONWAY MIDDLE	51	58	52	54	53	56	58	56	+02

\*Title 1 schools are indicated with an “\*”.

Note: Ocoee Middle was excluded from this chart due to a lack of data.

## 2016 to 2017 FSA – Math Components % Change Ranking (Orange County Middle Schools)

In terms of FSA - Math Components % Change (2016 to 2017), Carver & Meadowbrook Middle outperformed 100% of Orange County's traditional middle schools. (See chart below.)

**Math Components % = Average of Math Achievement, Math Learning Gains and Math Lowest 25% Learning Gains**

### Carver & Meadowbrook Middle Schools (2017 ACALETICS® Partners)

2017 District Rank	School Name	(2016) Math Achievement	(2016) Math Learning Gains	(2016) Math Lowest 25% Learning Gains	(2016) Math Components Percent	(2017) Math Achievement	(2017) Math Learning Gains	(2017) Math Lowest 25% Learning Gains	(2017) Math Components %	Math Component % Change (2016 to 2017)
1	*CARVER MIDDLE	22	31	26	26	35	62	57	51	+25
2	*MEADOWBROOK MIDDLE	26	41	38	35	37	57	56	50	+15
17	*PIEDMONT LAKES MIDDLE	48	50	41	46	52	52	39	48	+02
20	LAKEVIEW MIDDLE	50	50	43	48	49	53	45	49	+01
20	AVALON MIDDLE	77	71	63	70	79	72	61	71	+01
22	*WESTRIDGE MIDDLE	32	46	44	41	35	46	40	40	-01
22	APOPKA MIDDLE	53	54	40	49	53	52	40	48	-01
22	*UNION PARK MIDDLE	46	54	39	46	44	49	42	45	-01
25	ODYSSEY MIDDLE	62	57	58	59	58	59	54	57	-02
25	*LOCKHART MIDDLE	33	45	44	41	34	44	39	39	-02
27	*MEMORIAL MIDDLE	31	43	36	37	25	37	41	34	-03
27	WOLF LAKE MIDDLE	56	53	46	52	53	54	41	49	-03
29	DISCOVERY MIDDLE	75	68	61	68	73	64	55	64	-04
29	CORNER LAKE MIDDLE	48	45	40	44	47	41	31	40	-04
31	*FREEDOM MIDDLE	62	59	53	58	59	56	43	53	-05
32	*LEE (COLLEGE PARK) MIDDLE	46	49	44	46	43	41	37	40	-06
33	HOWARD MIDDLE	63	56	44	54	58	49	33	47	-07
34	*MEADOW WOODS MIDDLE	52	53	51	52	44	42	33	40	-12

\*Title 1 schools are indicated with an “\*”.

Note: Ocoee Middle was excluded from this chart due to a lack of data.



**2017**  
**FSA – Math Grade Composite Ranking**  
**(Orange County Middle Schools)**

In 2017, *Bok Academy & Havana Middle’s Math Grade Composite (Grade 6 % Passing Math + Grade 7 % Passing Math + Grade 8 % Passing Math)* outperformed 100% of Orange County’s traditional middle schools. (See chart below.)

**(Bok Academy, a Title 1 School, of Polk County partnered with ACALETICS®.)**

**(Havana Middle, a Title 1 School, of Gadsden County partnered with ACALETICS®.)**

**Math Grade Composite = Grade 6 % Passing Math + Grade 7 % Passing Math + Grade 8 % Passing Math**

2017 District Rank	School Name	2017 % Passing Math Grade 6	2017 % Passing Math Grade 7	2017 % Passing Math Grade 8	2017 Math Grade Composite (Grade 6 + Grade 7 + Grade 8)
NA	<b>*BOK ACADEMY</b>	78	72	78	228
NA	<b>*HAVANA MIDDLE SCHOOL</b>	75	84	67	226
1	LAKE NONA MIDDLE	75	75	59	209
2	AVALON MIDDLE	70	76	53	199
3	SUNRIDGE MIDDLE	61	81	51	193
4	HUNTERS CREEK MIDDLE	60	69	56	185
5	BRIDGEWATER MIDDLE	62	76	42	180
6	DISCOVERY MIDDLE	65	67	32	164
7	GLENRIDGE MIDDLE	59	55	49	163
8	MAITLAND MIDDLE	68	61	20	149
9	GOTHA MIDDLE	46	49	38	133
10	*PIEDMONT LAKES MIDDLE	38	45	42	125
10	ODYSSEY MIDDLE	43	51	31	125
12	SOUTHWEST MIDDLE	43	54	22	119

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## 2017 FSA – Math Grade Composite Ranking (Orange County Middle Schools)

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Math Grade Composite = Grade 6 % Passing Math + Grade 7 % Passing Math + Grade 8 % Passing Math

2017 District Rank	School Name	2017 % Passing Math Grade 6	2017 % Passing Math Grade 7	2017 % Passing Math Grade 8	2017 Math Grade Composite (Grade 6 + Grade 7 + Grade 8)
NA	*BOK ACADEMY	78	72	78	228
NA	*HAVANA MIDDLE SCHOOL	75	84	67	226
13	CONWAY MIDDLE	48	42	23	113
14	*LEE (COLLEGE PARK) MIDDLE	36	42	30	108
14	LAKEVIEW MIDDLE	32	46	30	108
16	APOPKA MIDDLE	38	47	22	107
16	HOWARD MIDDLE	45	60	02	107
18	WOLF LAKE MIDDLE	21	60	21	102
19	CHAIN OF LAKES MIDDLE	33	45	21	99
20	LEGACY MIDDLE	22	46	30	98
21	*FREEDOM MIDDLE	34	49	14	97
22	*JACKSON MIDDLE	25	45	26	96
23	*SOUTH CREEK MIDDLE	22	54	18	94
24	OCOEE MIDDLE	26	49	17	92

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## 2017 FSA – Math Grade Composite Ranking (Orange County Middle Schools)

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2017 District Rank	School Name	2017 % Passing Math Grade 6	2017 % Passing Math Grade 7	2017 % Passing Math Grade 8	2017 Math Grade Composite (Grade 6 + Grade 7 + Grade 8)
NA	*BOK ACADEMY	78	72	78	228
NA	*HAVANA MIDDLE SCHOOL	75	84	67	226
25	*MEADOW WOODS MIDDLE	39	31	21	91
26	*MEADOWBROOK MIDDLE	32	28	28	88
26	*WALKER MIDDLE	37	31	20	88
28	*CARVER MIDDLE	30	28	27	85
29	*LOCKHART MIDDLE	26	22	31	79
29	CORNER LAKE MIDDLE	13	47	19	79
31	*UNION PARK MIDDLE	28	27	19	74
32	*ROBINSWOOD MIDDLE	17	28	25	70
33	*WESTRIDGE MIDDLE	26	29	13	68
34	*LIBERTY MIDDLE	19	30	16	65
35	*MEMORIAL MIDDLE	26	15	10	51

\*Title 1 schools are indicated with an “\*”.



## VALUE PROPOSITION:

The ACALETICS® **Value Proposition**, which sets us apart from other educational firms, is that we provide our clients an **extremely high Return On Investment (ROI)**, typically within **one school-year**, as indicated in the following excerpt from the Miami Herald.

*“As school systems nationwide sign multi-million dollar contracts with universities and educational companies to save their struggling schools, Educational Development Associates signs individual schools at a fraction of the cost and often produces immediate results using its innovative program ACALETICS®.”*

*-Miami Herald*

We measure **ROI** in terms of dramatic results in Math, as follows:

- 1) Achievement (% of Students Scoring At/or Above Grade Level),
- 2) Annual Learning Gains/Growth, and
- 3) Subgroup Achievement Gap Closure/Elimination/(Gap Reversal).

## ACALETICS® 4 Key Components – EDU-neering<sup>SM</sup>

### Professional Development

**The Special Venue:** In the CLASSROOM!!!!

with **REAL Students, Your Students!**

### Differentiated Consultation (DC)

One Size Does **Not** Fit All:

There are Different **Bright Spots** in every school to be **IDENTIFIED & LEVERAGED**.

### Standards-aligned Supplemental Materials

Our effective “**process**” is embedded in our materials!

We **SUPPORT** our Supplemental Materials/Support Tools with our customized Online Math Portal, ongoing onsite visits and **800#**. With our 800#, you will receive a call back from a Consultant **within 24 hours!**

### Parent & Student Engagement Services

Customized Online Math Portal

Math Club<sup>SM</sup> within Every Classroom – An **NFL** Environment

Well-received Parent Workshops: “Math Club<sup>SM</sup> for Parents”

Incentive Packages for Students