

# New Castle Area School District

## CANES

Cultivating and Nurturing Excellent Students

21<sup>st</sup> Century Community Learning Centers – Cohort 7

**Grades 3-6: George Washington**

**Grades 7 – 12: New Castle Junior - Senior High School**

Year 3 Evaluation Report – 2016.2017

### **Evaluation**

The New Castle Area School District has contracted with Lawrence County Social Services, Inc. of the Lawrence County Community Action Partnership (LCCAP) to provide evaluation services for the CANES Program. Nancy Welker, Director of Health and Education Services is the designated Evaluator from LCCAP.

### **Overview**

Year 3 of the CANES Program, grades 3-12, covering Summer 2016, Fall 2016 and Spring 2017, began with the Summer Program on June 13, 2016 and the Fall /Spring program on October 5, 2016. The program operates out of the George Washington Intermediate School and grades 6-12 out of the New Castle Junior/Senior High School. This free afterschool program with transportation services provides a safe and fun, academically enriched environment where students attend in the morning during the summer for 6 weeks and during the school year, students remain afterschool Monday through Thursday each week for 3 hours per day, participating in a schedule that included snack, Power Hour, 2 Enrichment Sessions, Dinner and transportation home.

### **Program Operations**

The CANES Program was available:

#### **Summer of 2016**

- 6 weeks, beginning on 6/13/2016 and ending on 7/29/2016.
- Programming Monday – Thursday, 3 hours per day.

#### **School Year 2016.2017**

- Beginning on 10/5/2016 and ending on 6/6/2017, operating each Monday-Thursday, 3 hours per day following the completed of regular school hours.

### **CANES Partners**

- LCCAP – Healthy Youth PA
- Drug and Alcohol
- Penn State Cooperative Extension
- Franklin Center
- Hoyt Center for the Arts
- Crisis Shelter
- Adagio Health

## George Washington Intermediate School

- 3:00 – 3:15 Snack & Ice Breaker
- 3:15 – 4:15 Power Hour
- 4:15 – 5:00 Fitness and Art
- 5:00 – 5:45 Enrichment
- 5:45 - 6:00 Dinner, Dismissal / Transportation home

### Power Hour Breakdown

- Greeting & Attendance
- Reading/Writing / Vocabulary (SFA, ELA)
- Math: math homework is completed, using interactive activities to reinforce what was learned during the school day and offer remediation/reinforcing activities tied to curricular objectives, including basic math fact activities.
- Wrap up: students are rewarded with a fun math or vocabulary building game last few minutes.

#### Activities:

- My Math Curriculum activities coordinated with school day
- Success for All Reading strategies
- E.L.A. activities coordinated with school day

### Enrichment Details

- **TECH:** Students will participate in various computer and iPad based technology activities that reinforce ELA skills and Math concepts.
- **STEM /Entrepreneurship:** Students will participate in activities offered by the Franklin Center of Beaver County that blend STEM with technology including 3D printing, Robotics, Lighted circuits, vinyl cutting, poster making as well as engage in Entrepreneurial activities including making their own Lemonade for a Lemonade Day stand!
- **STEAM:** HOYT Center for Arts and Education will provide a STEAM monthly themed curriculum using Art to reinforce Geometry and Math concepts.
- **TEAM:** Students will participate in a variety of skill building activities related to teamwork, character education, self-esteem, bullying prevention, health/wellness, community service/service learning, culture and diversity.
- **CREATIVE ART:** Students will participate in a variety of art projects designed to bring out the extremely important 21<sup>st</sup> Century skill of creativity. Activities will embed Math and Science.
- **FITNESS:** Students will rotate through the week participating in a variety of fitness. Interactive fitness is technology based fitness activities including virtual cycling, dance dance revolution, Wii, Kinect, etc. They will also participate in recreational sports fitness in gym and Teambuilding fun Fitness to develop the skills of teamwork, communication, goal setting, and cooperation.

## New Castle Junior/Senior High School

- 2:30 – 2:45      Snack
- 2:45 - 3:45      Power Hour
- 3:45 - 4:30      Enrichment
- 4:30 – 5:15      Fitness
- 5:15 – 5:30      Dinner
- 5:30              Dismissal / Transportation Home

### Power Hour Breakdown: 2:45 until 3:45

- Edline check of Homework/Tests/Quizzes
- Homework Help (Reading/ELA/Math priority then other core subjects such as History/Science)
- Remediation/Tutoring in Math/Reading/ELA for students who are struggling/needing assistance
- Study Island online curriculum to reinforce Math and Read/ELA concepts

### Enrichment Details

- **STEM Science:** Students will participate in various STEM experiments including forensic science and food science activities. Experiments including animals, energy, volcanoes, Lava Lamps, Ice crystals, etc. CSI activities also including various “Who done it” scenarios to solve!
- **STEM TECH/Entrepreneurship:** Students will participate in STEM activities offered by the Franklin Center of Beaver County that blend STEM with technology including 3D printing, Robotics, Lighted circuits, vinyl cutting, poster making as well as engage in Entrepreneurial activities including a 3D Fashion Show!!
- **STEAM:** HOYT Center for Arts and Education STEAM monthly themed curriculum using Art to reinforce Geometry and Math concepts.
- **TEAM:** Students will participate in a variety of skill building activities related to character education, self-esteem, drugs/alcohol, dating, health/wellness, civic engagement, community service/service learning, culture and diversity, and bullying prevention.
- **LIFETIME FITNESS:** Students will participate in a variety of Lifetime fitness activities including nautilus, elliptical, treadmills, weight lifting, walking, yoga, and other lifetime recreational fitness.
- **INTERACTIVE FITNESS:** Students will participate in a variety of technology based fitness activities including virtual cycling, dance dance revolution, Wii, Kinect, etc.

## Students Demographics and Program Attendance

### Targeted Population – Regular Attendees

The NCASD was funded to serve:

SUMMER Totals to be served - 100

- 60 students grades 3-5 at George Washington
- 20 students grades 6-8 at NC Jr High
- 20 students grades 9-12 at NC Sr High

SCHOOL-YEAR Totals to be served - 200

- 100 students between grades 3 – 5 at George Washington
- 80 students between grades 6-8 at NC Jr High
- 20 students between grades 9-12 at NC Sr High
- 372 Total students attended and **157 students (42%) were regular attendees.**
  - 0 attended summer only
  - 154 attended school year only
  - 93 attended both summer and school year

	Summer Targeted	Summer Actual	School Year Targeted	School + Summer Actual regular attendees
Grades 3-5	60	N/A	100	81
Grades 6-8	20	N/A	80	63
Grades 9-12	20	N/A	20	13
TOTALS	100	N/A	200	157

- Of the 157 total regular attendees, below is the breakdown percentages by grade. The greatest regular attending students are in the lower grades. Obviously, parent control over the child’s schedule, as well as fewer after school commitments are critical to this data.

% of Total Regular attendees (157) by grade:	
• 3 <sup>rd</sup> – 24 students = 15%	
• 4 <sup>th</sup> – 29 students = 18%	
• 5 <sup>th</sup> – 28 students = 18%	
• 6 <sup>th</sup> – 20 students = 13%	
• 7 <sup>th</sup> – 27 students = 18%	
• 8 <sup>th</sup> – 16 students = 10%	
• 9 <sup>th</sup> – 9 students = 6%	
• 10 <sup>th</sup> – 1 student = .06%	
• 11 <sup>th</sup> – 2 students = 1%	
• 12 <sup>th</sup> – 1 student = .06%	

- **Note: the data clearly indicates that percentages of enrollments drop off starting at 8<sup>th</sup> grade.**

**Students by Gender, Ethnicity and Race**

Regular Attending Students by Gender	
Female	82
Male	75
Total	157

	Regular Attending Students by Race/Ethnicity
American Indian/Alaskan Native	0
Asian	5
Black or African American	41
Hispanic or Latino	1
Native Hawaiian or Pacific Islander	0
White	99
Two or more races	11
Totals	157

## Free and Reduced Lunch Eligibility

	Regular Attending Free and Reduced Lunch Eligibility
Eligible	157
Not Eligible	0
Total	157

- All children in the New Castle Area School District are eligible for free lunches.

## Special Education Status (not gifted)

	Regular Attending Special Education Status
Yes	43
No	114
Total	157

## Limited English Proficiency

	Regular Attending LEP
LEP	3
Not LEP	154
Total	157

## Student Academic and Behavior Results

One of the most critical objectives of the CANES Program is to realize an increase in student academic and behavior growth as measured by Math and Reading PSSA scores, Math and Reading report card grades, School Attendance, Tardiness, School Discipline Incidents, and Days Suspended.

### School District PSSA Comparative Data

## MATH

- Of the 157 regular attendees, 96 students have recorded previous Math PSSA scores.

	Regular Attending Math State Assessments Comparison from Previous Year
Improved	16
No change	60
Declined	20
Did not need to improve	0
Total	96
Total needing to Improve	96
Percentage improved out of needing to improve	16/96 = 17% Improvement

- Of the 157 regular attendees, 135 students took the Math PSSA test this year.

	Regular Attending Math State Assessments this year
Advanced	7
Proficient	19
Basic	41
Below Basic	68
Total	135

## READING

- Of the 157 regular attendees, 91 students have recorded previous Reading PSSA scores.

	Regular Attending Reading State Assessments
Improved	26
No change	54
Declined	11
Did not need to improve	0
Total	91
Total needing to Improve	91
Percentage improved out of needing to improve	26/91 = 29% Improvement

- Of the 157 regular attendees, 133 students took the Reading PSSA test this year.

	Regular Attending Reading State Assessments this year
Advanced	5
Proficient	45
Basic	69
Below Basic	14
Total	133

## Report Card Grades

- Of the 157 regular attendees, 149 students were enrolled at both the fall and spring report card periods.

	Regular Attending Reading Report Card Grades	Regular Attending Math Report Card Grades
Improved	56	41
No change	43	55
Declined	42	50
Did not need to improve	8	3
Total	149	149
Total needing to Improve	141	146
Percentage improved out of needing to improve	$56/141 = 40\%$ Improvement	$41/146=28\%$ Improvement

## Student Outcomes

	Regular Attending School Attendance	Regular Attending School Tardies	Regular Attending School Discipline Incidents	Regular Attending School Days Suspended
Improved	42	52	20	17
No change	14	13	3	0
Declined	87	73	35	20
Did not need to improve	14	19	99	120
Total	157	157	157	157
Total needing to Improve	143	138	58	37
Percentage improved out of needing to improve	$42/143 = 29\%$ improvement	$52/138 = 38\%$ Improvement	$20/58 = 34\%$ Improvement	$17/37 = 46\%$ Improvement

## Local Assessments

	Regular Attending Local Math Assessment	Regular Attending Local Reading Assessment
Improved	31	63
No change	63	59
Declined	28	3

Did not need to improve	0	0
Total	122	125
Total needing to Improve	122	125
Percentage improved out of needing to improve	31/122 = 25% Improvement	63/125=50% Improvement

## Teacher Survey Data:

- Teachers completed surveys on at least 122 of the 157 CANES regular attending students.

	Homework on time	Homework satisfactorily	Class participation	Volunteering for extra work/credit	Regular class attendance	Attentive in class	Class Behavior	Academic Performance	Motivated to learn	Gets along well with others
<b>Significant Improvement</b>	32	38	47	37	39	37	37	35	25	26
<b>Moderate Improvement</b>	38	44	44	40	39	45	33	40	51	49
<b>Slight Improvement</b>	42	33	28	32	21	33	23	37	17	29
<b>No Change</b>	5	10	10	23	11	9	8	8	10	7
<b>Slight Decline</b>	3	0	1	0	1	3	3	4	3	3
<b>Moderate Decline</b>	3	2	0	1	0	1	1	2	3	1
<b>Significant Decline</b>	0	1	0	0	0	0	0	0	0	0
<b>Did not need to improve</b>	13	13	12	7	28	14	21	4	13	11
<b>TOTALS</b>	136	141	142	140	140	142	126	130	122	126
<b>Numbers needed to improve</b>	123	128	130	133	112	128	105	126	109	114
	112/123 =	115/128 =	116/133 =	109/133 =	99/111 =	115/128 =	93/105 =	112/126 =	93/109 =	104/114 =
<b>Percentage of Improvement</b>	<b>91%</b>	<b>90%</b>	<b>87%</b>	<b>82%</b>	<b>89%</b>	<b>90%</b>	<b>89%</b>	<b>89%</b>	<b>85%</b>	<b>92%</b>

## Teacher survey Summary:

### Turning in Homework on Time:

- Teacher surveys regarding 136 students indicate 123 students needed to make improvements in this area and 112 students, in fact, did make improvements (91 % improvement).



**Completing Homework to Teacher's Satisfaction:**

- Teacher surveys regarding 141 students indicate 128 students needed to make improvements in this area and 115 students, in fact, did make improvements (90 % improvement).

**Participating in Class:**

- Teacher surveys regarding 142 students indicate 130 students needed to make improvements in this area and 119 students, in fact, did make improvements (92 % improvement).

**Volunteering:**

- Teacher surveys regarding 140 students indicate 133 students needed to make improvements in this area and 109 students, in fact, did make improvements (82 % improvement).

**Attending Class Regularly:**

- Teacher surveys regarding 139 students indicate 111 students needed to make improvements in this area and 99 students, in fact, did make improvements (89% improvement).

**Being Attentive in Class:**

- Teacher surveys regarding 142 students indicate 128 students needed to make improvements in this area and 115 students, in fact, did make improvements (90 % improvement).

**Behaving Well in Class:**

- Teacher surveys regarding 126 students indicate 105 students needed to make improvements in this area and 93 students, in fact, did make improvements (89% improvement).

**Academic Performance:**

- Teacher surveys regarding 130 students indicate 126 students needed to make improvements in this area and 112 students, in fact, did make improvements (89% improvement).

**Coming to School Motivated to Learn**

- Teacher surveys regarding 122 students indicate 109 students needed to make improvements in this area and 93 students, in fact, did make improvements (85 % improvement).

**Getting Along Well with Other Students:**

- Teacher surveys regarding 126 students indicate 115 students needed to make improvements in this area and 104 students, in fact, did make improvements (90 % improvement).

## **CANES Participant and Parent Feedback**

### **3<sup>rd</sup> – 6<sup>th</sup> grades**

- **68 participant responses**

91%	Indicate they like CANES (39 like it a lot / 23 like it a little)
94%	Indicate they think CANES helps with their school work (43 a lot / 21 a little)
88%	Indicate they like the CANES program Fun and Games

### **7<sup>th</sup> – 12<sup>th</sup> grades**

- **29 participant responses**

97%	Indicate they like CANES (23 like it a lot / 5 like it a little)
97%	Indicate they think CANES helps with their school work (18 a lot / 10 a little)
100%	Indicate they like the CANES program Fun and Games

### **Parent Feedback**

- **4 parent responses**

<b>100%</b>	<b>Indicate children have made positive comments about CANES</b>
<b>75%</b>	<b>Indicate children have made negative comments about CANES – (being there too long)</b>
<b>100%</b>	<b>Indicate satisfaction with busing / transportation</b>
<b>100%</b>	<b>Indicate they are satisfied with the meals</b>
<b>50%</b>	<b>Indicate they are satisfied with child's homework completion</b>
<b>50%</b>	<b>Indicate their child is benefitting from reading and math activities and enrichments</b>

## **Year 1 (2014.2015) vs. Year 2 (2015.2016) vs. Year 3 (2016.2017) Data Comparisons**

### **CANES Attendance - Regular attending vs. Not regular attending**

- Year 1: 41 % of total enrolled students were regular attendees
- Year 2: 62% of students were regular attendees
- Year 3: 64% of students were regular attendees (School Year)

### **Teacher Survey- Turning homework in on time**

- Year 1: 76% improvement
- Year 2: 56% improvement
- Year 3: 91% improvement

### **Teacher Survey- Completing Homework to Teacher's Satisfaction**

- Year 1: 78% improvement
- Year 2: 56% improvement
- Year 3: 90% improvement

## **Teacher Survey- Participating in Class**

- Year 1: 66% improvement
- Year 2: 68% improvement
- Year 3: 92% improvement

## **Teacher Survey- Volunteering for extra credit or more responsibilities**

- Year 1: 54% improvement
- Year 2: 49% improvement
- Year 3: 82% improvement

## **Teacher Survey- Attending Class Regularly**

- Year 1: 50% improvement
- Year 2: 38% improvement
- Year 3: 89% improvement

## **Teacher Survey- Being Attentive in Class**

- Year 1: 56% improvement
- Year 2: 59% improvement
- Year 3: 90% improvement

## **Teacher Survey- Behavior in Class**

- Year 1: 49% improvement
- Year 2: 56% improvement
- Year 3: 89% improvement

## **Teacher Survey - Academic Performance**

- Year 1: 78% improvement
- Year 2: 64% improvement
- Year 3: 89% improvement

## **Teacher Survey- Coming to School Motivated to Learn**

- Year 1: 62% improvement
- Year 2: 52% improvement
- Year 3: 85% improvement

## **Teacher Survey- Getting Along Well with Others**

- Year 1: 54% improvement
- Year 2: 50% improvement
- Year 3: 90% improvement

### **Math Report Card Grades**

- Year 1: 59% improvement
- Year 2: 63% improvement
- Year 3: 28% improvement

### **Reading Report Card Grades**

- Year 1: 53% improvement
- Year 2: 66% improvement
- Year 3: 40% improvement

### **School Attendance**

- Year 1: 46% improvement
- Year 2: 43 % improvement
- Year 3: 29% improvement

### **School Tardies**

- Year 1: 32% improvement
- Year 2: 42% improvement
- Year 3: 38 % improvement

### **School Discipline Incidents**

- Year 1: 24% improvement
- Year 2: 31% improvement
- Year 3: 34% improvement

### **School Days Suspended**

- Year 1: 26% improvement
- Year 2: 20% improvement
- Year 3: 46% improvement

## Program Data Comparison with Program Performance Indicators:

Program Objective	Program Target	Program Data	Comments
Performance Measure #1: Students regularly participating in program will meet or exceed state and local academic achievement standards in Reading and Math.			
Math grades improve Fall – Spring	48.5%	28%	Missed target by 20.5%
Reading grades improve Fall - Spring	48.5%	40%	Missed target by 8.5%
PSSA Math scores improve (Not Proficient to Proficient)	25%	17%	Missed target by 8%
Improve state Reading assessment level from prior to current year	45%	29%	Missed target by 16%
Improve Reading based on pre-post assessments	35%	50%	Exceeded target by 15%
Performance Measure #2: Students regularly participating in program will show improvement in the performance measures of school attendance, classroom performance, and/or disciplinary referrals.			
Regularly attending Improvement in both teacher reported homework completion AND Class participation	93%	Homework completion increased by 90% (115 of 128 students needing to make improvements)  Class participation increased by 92% (109 of 133 students needing to make improvements)	Need to report data for each child by BOTH Program Objectives combined to indicate specific children who improved in BOTH areas.
Regularly attending Improvement in school attendance by <b>reducing their number of days absent</b> from the prior year to the current year.	60%	89%	Exceeded target by 29%
Regularly attending students who improve school attendance by <b>reducing the number of tardies</b> from the year prior to the current year.	65%	38%	Missed target by 27%
Improve school behavior by reducing number of discipline incidents from prior year to the current year.	75%	34%	Missed target by 41%
Improve school behavior by reducing number of days suspended from prior year to the current year.	50%	46%	Missed target by 4%
Improve class attendance as measured by the Teacher Survey	75%	89%	Exceeded target by 14%
Performance Measure #3: Students regularly participating in program will demonstrate additional positive, educational, social, and behavioral changes.			
Teacher reported improvements in student behavior	75%	89%	Exceeded target by 14%
Improved volunteering in class, as measured by the Teacher Survey	60%	82%	Exceeded target by 22%

## Program Strengths:

- CANES has built strong partnerships who each support the goals and objectives of the program.
- The program activities and enrichments are enjoyed by the students.
- 42% of the total students participating were regularly attending – 157 regular attending.
- Fairly equal regular attending participation between males and females.
- All children in the NCASD are eligible for Free and Reduced meals.
- PSSA scores improved for 17% of students in Math and 29% in Reading.
- Report card grades (of those needing to improve) improved for 40% in Reading and 28% in Math.
- Student outcomes in Attendance, Tardies, Discipline Incidents and Suspensions improved between 29% and 46%
- Of those needing to improve, Local Assessments showed 25% of students improved in math and 50% improved in reading.
- Teachers completed 122 surveys of the 157 regular attending students.
- Teachers rated student improvement between 82% and 91% improvement across all student behavior objectives.
- Major improvements between Year 1, Year 2 and Year 3 in Teacher survey data regarding Student behavior objectives.
- Program Performance Measures that were exceeded:
  - 50% - Improved Reading based on Pre and Post assessments.
  - 89% - Regularly attending Improvement in school attendance by **reducing their number of days absent** from the prior year to the current year.
  - 89% - Improved class attendance as measured by the Teacher Survey.
  - 89% - Improved student behavior as measured by the Teacher Survey.
  - 82% - Improved volunteering in class, as measured by the Teacher Survey

## **Program Recommendations:**

- Consider ways to increase high school enrollments. The data clearly indicates that percentages of enrollments drop off starting at 8<sup>th</sup> grade.
- Consider revising the target percentages in the Performance Measures to more realistically predict student improvement. Use the data comparisons from each year as the guide.
- Missed the Performance Measure Target on 7 of 13 Performance measures.
- One Performance Measure cannot be measured because we don't yet have a means to report data which calculates the number of students that showed improvement in BOTH homework completion AND class participation.