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Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

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Abstract

A thoughtful decision confronting parents considering pre-kindergarten or pre-school programs across the United States provided from the literature has focused on school readiness of children within the pre-kindergarten years. Prior to children moving into kindergarten, parents are often concerned with the related potential for increased student achievement and student performance of these children in later years. Public opinion concerning the "worth" of preschool education as a readiness provider for preparing children to enter kindergarten adequately prepared for learning has been a topic of dissention among educators and parents for more than a decade. This qualitative study involved conducting structured interviews with five educators (two pre-school teachers, two kindergarten teachers, and one early learning district administrator) from the same school district located in the southeast region of the United States. The current qualitative study focused on eight specific interview questions generated from the literature review. Each of the eight interview question responses was examined relative to specific criteria, positioning, and information aligned from the related literature. Resulting literature analyses and discussions provide specific viewpoints from the interviews of the five educators regarding the merits and potential worth of early education experiences. Implications of the study findings involve describing potential future research efforts aimed at examining influences of early education or preschool experiences related to students' performance levels and attitudes relative to later school achievement.

Keywords: Preschool education, Qualitative Research, Kindergarten



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INTRODUCTION

Influences of preschool education on child development and the potential for preschool education to provide lasting effects on children as evidenced by early education research findings provide the major motivation for this study (Barnett, 2008; Learning Policy Institute 2021). Also emphasized in the literature is the lasting effects of early learning programs involving children from the 1960s and 1970s who attended preschool programs have demonstrated lasting benefits into adulthood as compared with children who did not attend preschool (Learning Policy Institute, 2021). Examining specific characteristics and issues focused on preschool education programs and the potential influence on children for later learning provided the impetus for the current study. Literature indicating that early education may improve the performance of children in later grades in school has been documented in current research efforts (Learning Policy Institute, 2021). The current study moves the research findings forward toward examining specific qualities or characteristics of preschool education environments that might assist in improving the performance of children in later years even though research contradicting these findings may also

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Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

Carla J. Thompson, Giang-Nguyen Thi Nguyen

exist. The current study sought to explore potential merits of pre-school education relative to driving students in later school considerations. Current practices for families to begin placing their children in early learning schools are leading the way toward more common practices.

The objectives of this qualitative research study include: (1) reviewing pertinent literature aimed at more than 50 years of kindergarten and Pre-K programs; (2) conducting extensive interviews of five pre-K and Kindergarten educators to discern perspectives of professional educators regarding the role of Pre-K programs in preparing children for educational prowess in later years in school.; and (3) identifying limitations of previous research, exploring current strides in Pre-K education, and positing options for educators and parents for predicting success of children in later grades.

LITERATURE REVIEW

The importance of Preschool on future learning in children and adults was captured in a study conducted by the Excel P-3 Project, a collaborative project between Boston Public Schools (USA), the University of Michigan, and the Harvard Graduate School (USA) to discern specific benefits of early childhood education (preschool) on students at later ages (McCormick, Hsueh, Weiland, & Bangser, 2017) This longitudinal study is focused on assessing if skills attained in preschool are sustained through third grade. Studies focused on assessing the impact or influence of preschool education on learner performance in later years have emphasized specific assessments and follow-up periodic testing of students rather than specific information gleaned from veteran preschool and early learning educators' perceptions and observations. The current study focuses on specific information and observations of preschool educators whose careers are vested in working with parents and preschoolers focused on moving forward in their academic and physical development. Previous studies focused on long-term effects of preschool education emphasize the use of test scores as measures of sustainability and achievement. The current study focuses on preschool teachers and leaders who have extensive experience in working with preschool students, parents, and community leaders. The current study participants are experienced early childhood educators and leaders focused on working with both preschool and elementary students. The current study emphasizes the perceptions and feedback of these early education professionals as key partners for discerning the skills development transpiring within preschool students, specific Influences of parents, and hands-on experiences with preschool and elementary grade students. Previous studies focused on examining testing trends from preschoolers to third grade performances; whereas, the current study emphasized the direct observations of preschool teachers within the framework of theory and practice. The data retrieved by the current study stem from directly addressing teachers within interview settings and the alignment of the teacher interview data to sound theory and practice elements. The current study establishes a strong grounded baseline for future research associated with early learning sustainability and predictability in terms of early learning content and sustainability focused research efforts

The theoretical interpretive framework for the current study is framed within social constructivism. The "lived experiences and interactions with others…are shaped by individual experiences with individual values honored…and are negotiated among individuals." (Creswell &

Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

Carla J. Thompson, Giang-Nguyen Thi Nguyen

Poth, 2018, p. 35). The premise behind social constructivism is interpretivism (Denzin & Lincoln, 2011) or individuals seeking to determine specific viewpoints of lived experiences. Interpretivism was a key element in shaping the background for designing the qualitative methodology pertinent to the overriding research question, "What are the relationship between students' Pre-K school participation and students' performance or achievement in later years as perceived by key educators?"

RESEARCH METHOD

Using the foundational constructs of Social Constructivism, the researchers established guidelines for examining multiple realities shaped by individual experiences, observations, and interactions with others to determine specific values shared and honored among individuals (Creswell & Poth, 2018). The qualitative methodology selected for examining the major research question was interviewing with analyses derived from an historical and social constructivist perspective. Ethical considerations associated with conducting interviews and aligned qualitative research methods were examined specifically for conducting the data collection, analyses, and reporting, (Seiber & Tolich, 2013). Dissemination of results were also carefully examined for ethical considerations specific to pertinent audiences and for publication purposes (Seiber & Tolich, 2013).

Specific research methods utilized for the study included interviews from five educators (two pre-school teachers, two kindergarten teachers, and one district early learning administrator). Each of the five interviewees was provided with the same eight specific interview questions for responses. The following eight interview questions were posited to each of the five interviewees:

- (1) **Interview Question #1**: What evidence do you personally feel is pertinent to support the need for every child to have the opportunity for formal Pre-K education?
- (2) **Interview Question #2**: Have you watched children who have attended formal Pre-K programs move forward in reading or other academic areas? Do you feel these children move forward more easily than children who have not had Pre-K formal education? Please explain your answer.
- (3) **Interview Question #3**: What characteristics of formal Pre-K education programs do you feel are most helpful for children entering kindergarten? First grade?
- (4) **Interview Question #4**: What characteristics or skills of children are most important for kindergarten, first grade, and beyond for success in school? Do you feel children from Pre-K education programs have developed these skills?
- (5) **Interview Question #5:** Working at a school where you see your Pre-K students go into kindergarten and beyond, do you feel children in your school district who have attended a Pre-K program are more appropriately prepared for school than children who have not attended a formal Pre-K program?
- (6) **Interview Question #6:**_Keeping in mind students you see in kindergarten and above at your school, do you know of children who did not attend any type of Pre-K formal education program? Do you feel the children who did not attend Pre-K require more time and learning experiences, less time and

Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

Carla J. Thompson, Giang-Nguyen Thi Nguyen

- learning experiences, or the same time and learning experiences as children who completed formal Pre-K programs for moving forward successfully in reading and other academic areas? What is your answer based on?
- (7) **Interview Question #7:** Describe the importance of Pre-K formal education as per your opinion and/or justified rationale.
- (8) **Interview Question #8:** Do you tell parents of the importance of Pre-K formal education for later success in school? Please discuss.

Additional information was collected by researchers from current research and texts focused on early learning. The interview responses and textual data collection were analyzed using tenets from social constructivism, i.e., patterns of meaning were generated inductively by the researchers using open-ended questioning of participants and allowing constructivist researchers to "focus on the specific contexts in which people live and work in order to understand the historical and cultural settings of the participants" (Creswell & Poth, 2018, p. 24). The validity and reliability of the data analyses utilized by researchers included several considerations: (1) Researchers utilized an interviewer who was a former early childhood specialist for the school district and was familiar with the programs and policies of the early learning program within the school district. Interview data retrieved by the interviewer (in-person and/or by phone) were entered into a protected data file.

Study participants included early childhood teachers/administrators who volunteered to participate in the study from a memo sent to them from a former early childhood teacher who was no longer working in the district after her 20-year career with the district. Study volunteers were selected from one medium size suburban/rural county public school district located in the southeast region of the United States with approximately 30,000 students and represented early childhood and/or kindergarten teachers and one early childhood district administrator.

The researchers utilized triangulation to discern the validity and interpretation of the interview data using three approaches: (1) Interview data were examined relative to stated school district policies and practices manuals published by the school district; (2) Interview data were sent back to the respective respondents to assess reliability and reviewed by each respondent for accuracy in reporting; and (3) researchers utilized an external source for compiling and reporting the data from Rubin and Rubin (2005).

FINDINGS AND DISCUSSION

Each of the eight questions was analyzed using the five qualitative analyses approach posited by Rubin and Rubin (2005): Recognition, Elaboration;

Integration, and Coding, with the discussion of Synthesis following the presentation of information as a summary of the findings. The following eight tables depict the procedures and individual context of each of the five participants' responses and discussions.

Interview Question #1: What evidence do you personally feel is pertinent to support the need for every child to have the opportunity for formal Pre-K education?

Carla J. Thompson, Giang-Nguyen Thi Nguyen

Table 1: Interpretation of Responses to Q1

able 1. Interpretation of	· · · · · · · · · · · · · · · · · · ·		
Recognition	Elaboration	Integration	Coding
Unchangeable	We (Pre-K)		Evidence for
basal abilities of the	teachers help		students to have
child;	children to be		<u>Pre-K:</u>
	prepared for	Gormley	
	Kindergarten;	(2017)	components
Child needs basic			of literacy,
components of	We teach		especially
literacy, language,	things beyond		communications
mathematics, and	academics, e.g.,		and language
social-emotional	following	Knechtel et.	skills;
skills;	directions,	al. (2017)	
	working with		Pre-K
Using pre and	others, expressing		evidence should
post assessments	needs using		include
from the Pre-K year;	language skills;	Pianta et. al.,	examining
		(2009)	subsequent
Suggest findings	We help		years
of Pre-K students out	students prepare		
performing non-Pre-	for the rigor of		examining
K students in	Kindergarten;		basal abilities of
subsequent years			child and home
	A child who		conditions
	does not attend		
	Pre-K misses out		
	on a year of		
	instruction and		
	may be behind in		
	subsequent years.		

Interview Question #2: Have you watched children who have attended formal Pre-K programs move forward in reading or other academic areas? Do you feel these children move forward more easily than children who have not had Pre-K formal education? Please explain.

Table 2: Interpretation of Responses to Q2

Recognition	Elaboration	Integration	Coding (#)
Managing the	My Pre-K		Support for
state of Florida VPK	students have a		Pre-K impact in
assessment data for	broad baseline		later years:
10 years indicates a	for scaffolding	Center for	
high percentage of	their future	Public	Entering
children enter VPK	learning;	Education	school with low
		(2007)	skills

Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

Carla J. Thompson, Giang-Nguyen Thi Nguyen

well below the VPK	My Pre-K		
Standards.	students are		trong baseline for
	more willing to	Knechtel	e learning
My Pre-K	try new and more	et. al. (2017);	
students know how	difficult		
to listen and follow	experiences than		Pre-K
directions and enter	students who	Alexander	emphasizes new
Kindergarten with	have not	et. al. (2008)	and more
high levels of math,	experienced Pre-		complex
letter recognition,	K;		experiences
and social skills;		Gaden-	
	Many	Hence (2016);	Pre-K better
Yes- my students	students who		preparation than
are better prepared	have not		no Pre-k
than non-Pre-K	attended Pre-K		
students	have a huge		
	amount of		
	catching up to		
	Kindergarten		
	Standards;		
	Students who		
	have not		
	attended Pre-K		
	are at a		
	disadvantage.		

Interview Question #3: What characteristics of formal Pre-K education programs do you feel are most helpful for children entering kindergarten? First Grade?

Table 3: Interpretation of Responses to Q3

Recognition	Elaboration	Integration	Coding (#)
Organized play	Pre-K setting		<u>Key</u>
within a structured	is the building block		characteristics of
environment.	for critical social and	Alexander	Pre-K programs:
	emotional needs;	et. al. (2017)	Appropriate
Reading books			curriculum with
and working with open	Activities		focus on
ended questions.	requiring students		preparation for
	to think and ponder	Fitzpatrick	Standards;
	questions;	(2008) and	

Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

Carla J. Thompson, Giang-Nguyen Thi Nguyen

_		r	_
Communicating	Well-rounded	Knechtel et. al.	Strong
in full sentences and	and expanded	(2017);	baseline for future
thoughts;	curriculum;		learning
All aspects of	Strong	Gaden-	
literacy, mathematics,	connection to	Hence (2016);	Pre-K
science, and social	families;		emphasizes prep
skills and			for Standards
small class sizes;	Activities for	Gaden-	
	exposing students to	Hence (2016);	Pre-K better
Developmentally	preparation for the		preparation than
appropriate activities;	Standards		no Pre-k
Interactions			
with peers and trained			
teachers.			

Interview Question #4:_What characteristics or skills of children are most important for kindergarten, first grade, and beyond for success in school? Do you feel children from Pre-k education programs have developed these skills?

Table 4: Interpretation of Responses to Q4

Recognition	Elaboration	Integration	Coding (#)
Pre-K is perfect for	Developing key		Characteristics
community and work	community and work		of Pre-K students in
ethic development;	ethic skills provides a		later years:
	support group for		
Pre-K develops	success of all	Marcon	Self-motivation
self-regulation and	students;	(2002);	and self-regulation
self-motivation;			skills
	Self-motivation is		for success;
Instant	an intrinsic necessity		
gratification is	for success;	Lipsey &	
prominent in today's		Farren (2016);	Social
world but meaningful	Transformative		interactions and
transformative	learning is the key for		skills evidenced in
learning is lasting;	FSA Tests not	Stevenson	Pre-K programs;
	memorization;	& Newman	
Pre-reading and		(1986);	Meaningful
communication skills;	Social skill		learning;
	development is the	Gormley	
Social interactions	key for peer, teacher,	(2017)	
and skills developed	adult interactions and		
	secures a strong		

Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

Carla J. Thompson, Giang-Nguyen Thi Nguyen

successfully	through	successful	academic	Pre-reading and
the VPK progr	ram	life		communication
				skills;

Interview Question #5: Working at a school where you see your Pre-K students go into kindergarten and beyond, do you feel children in Escambia County School District who have attended a formal Pre-K program are more appropriately prepared for school than children who have not attended a formal Pre-K program?

Table 5: Interpretation of Responses to Q5

Recognition	Elaboration	Integration	Coding (#)
Yes, absolutely Pre-	Teachers in later	0	Preparation of
K students are	grades who have		Pre-K student vs
more prepared for	had my children		non-Pre-K
entering	from Pre-K tell me		student for
kindergarten than	how well they		entering school:
students who have	perform and how		
not experienced	many more social	Gaden-Hence	Support from all
Pre-K;	and academic skills	(2016);	interviewees on
	my former children		Pre-K higher
This question	demonstrate than		than non-Pre-K
needs strong	children who did	Lipsey & Farren	Social
examination by	not attend a Pre-K	(2016);	interaction and
school	program.		skills evidenced
administrators.			in Pre-K
	Administrators and	Gormley (2017)	programs;
Yes, Pre-K students	school officials need		
have more	to examine the		Pre-reading and
academic and social	successes of Pre-K		communication
skills than non-Pre-	in subsequent years.		skills;
K students to be			
successful in			
Kindergarten and			
beyond			

Interview Question #6: Keeping in mind students you see in kindergarten and above at your school, do you know of children who did not attend any type of Pre-K formal education program? Do you feel the children who did not attend Pre-K require more time and learning experiences, less time and learning experiences, or the same time and learning experiences as children who completed formal Pre-K programs for moving forward successfully in reading and other academic areas? Justify your answer.

Carla J. Thompson, Giang-Nguyen Thi Nguyen

Table 6: Interpretation of Responses to Q6

Table 6. filter pretation of	Responses to Qu		,
Recognition	Elaboration	Integration	Coding (#)
This question needs	Administrators		Preparation of Pre-K
strong attention of	and school		student vs non-Pre-K
school administrators.	officials need to		students for entering
	examine the		school:
Yes, formal Pre-K	successes of		Support from all
students have higher	Pre-K vs no Pre-	Gaden-Hence	interviewees on Pre-K
academic and social	K for	(2016);	higher than non-Pre-K
skills than non-Pre-K	subsequent		
students based on my	years.		Social interactions
observations		Lipsey &	and skills evidenced in
	I have observed	Farren	Pre-K programs;
Yes, students with no	Pre-K students	(2016);	
formal Pre-K start	not aware of		Pre-reading, colors,
lower than students	their name,		shapes, counting,
with formal Pre-K	knowing no	Gormley	communication skills
based on Florida	colors, shapes,	(2017)	differences;
Readiness Screened	letters, or		
(FRS)scores	counting.	Clements et.	
		al. (2017)	
	Most non-Pre-K		
	students are		
	unable to		
	socially interact		
	with other		
	children or		
	adults and are		
	behind on many		
	skill areas		
	based on		
	discussions		
	with		
	kindergarten		
	teachers and		
	my own		
	observations.		

Interview Question #7: Describe the importance of Pre-K education as per your opinion and justify.

Carla J. Thompson, Giang-Nguyen Thi Nguyen

Table 7: Interpretation of Responses to Q7

Recognition	Elaboration	Integration	Coding (#)
Passionate about	The generational		Importance of Pre-K
the need for formal	poverty in		from Pre-K Staff:
Pre-K for all	Escambia County is	Clements et. al.	Support from all
students justified	deep and Pre-K will	(2017)	interviewees on Pre-
by the generational	provide the jump		K higher than non-
poverty within	start for students		Pre-K
Escambia County	and families in	Marcon	(4)
schools.	poverty.	(2002);	Social interactions
		Lipsey &	and skills evidenced
The topics covered	Community has a	Farren (2016);	in Pre-K programs;
now in schools are	responsibility to		
much higher than	provide Pre-K		Pre-reading, colors,
25 years ago with	opportunities for	Stevenson &	shapes, counting,
Kindergarten	all children to	Newman	communication
equaling first grade	begin their	(1986);	skills
topics and Pre-K	educational lives	Fitzpatrick	
focusing on		(2008);	Generational
Kindergarten.	The lack of Pre-K	Center for	poverty concerns
	for all is a	Education	and the need for
Pre-K sets the stage	disservice for	(2008);	educating families
for success in	children	Pianta et.al.	and communities
school.		(2008)	
	Pre-K students		
All Pre-K students	begin school at an		
are more prepared	advantage socially		
for kindergarten	and academically		
and beyond than	with the skills		
students with no	necessary for		
Pre-K experience.	learning standards		

Interview Question #8: Do you tell parents of the importance of Pre-K formal education for later success in school? Please discuss.

Table 8: Interpretation of Responses to Q8

Recognition	Elaboration	Integration	Coding (#)
Yes, I am involved	Pre-K programs are		Importance of Pre-
with Every Child a	a very important	Clements et. al.	K for Parents:
Reader in Escambia	connection to our	(2017)	Support from all
where reading pals	parents and		interviewees on
spend 45 minutes to	children in the		Pre-K higher than
an hour with a child	community who	Lipsey & Farren	non-Pre-K
	may not have a	(2016);	

Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

Carla J. Thompson, Giang-Nguyen Thi Nguyen

weekly and visit with	connection in their		Social interactions
parents.	home.		evidenced in
parents.	nome.	Stevenson &	formal Pre-K
Yes, I encourage	Children are not	Newman &	programs;
every parent I meet	taught	(1986);	
to enroll their	independence at		
children in Pre-K and	home with the	Fitzpatrick	Fostering learning
I stress the	available	(2008);	with
importance of early	technologies and	Gaden-Hence	community/family
learning, especially	working parents.	(2016)	support for Pre-K
in reading.			
Yes, it is amazing	Pre-K fosters		
how much a four- or	creativity, thinking,		
five-year-old can	and thirst for		
learn in a short time	knowledge.		
period.			

RESULTS

The following results emerged from the syntheses of the qualitative analyses performed on the eight interview questions posited to five interviewees. The synthesis statement with literature justification depicts the results from the qualitative interviews:

Synthesis statements:

- (a) Interviewees discussed several types of evidence for the need for Pre-K programs for all students also supported from the literature: (1) evidence supporting the promotion of literacy skills, especially communication and language skills (Gormley, 2017); (2) evidence of the impact of Pre-K on students' outcomes in kindergarten and subsequent years (Knechtel et al., 2017); and (3) use of assessments examining basal abilities of the child and home conditions (Pianta et al., 2009).
- (b) Interviewees provided testimony supporting the strong positive impact of Pre-K on students' achievement and performance in later school years emphasizing the following areas of impact also substantiated by the literature:
 - (1) Pre-K provides a strong baseline for all students' future learning experiences (Knechtel et al., 2017);
 - (2) Pre-K is essential for children entering school with low skills (Pianta et al., 2009); and
 - (3) Pre-K emphasizes new and more complex experiences focusing on better preparation for children than no-PreK (Gaden-Hence, 2016)
 - (4) Pre-K provides a better preparation for the child than no Pre-K (Gaden-Hence, 2016).

Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

Carla J. Thompson, Giang-Nguyen Thi Nguyen

- (c) Interviewees provided substantive suggestions based on their experiences of the key characteristics necessary for Pre-K programs also supported by the literature as follows: (1) appropriate curriculum focused on preparation for the Kindergarten Standards (Alexander et. al., 2017; (2) strong baseline for future learning (Fitzpatrick, 2008 and Knechtel et. al. 2017); (3) emphasizes complex experiences (Gaden-Hence, 2016); and (4) Pre-K provides a better preparation for the child than no Pre-K (Gaden-Hence, 2016).
- (d) Interviewees submitted their perspectives of the characteristics of Pre-K students they have observed in Kindergarten and in later years also supported by the literature as follows: (1) students possess self-motivation and self-regulation skills for success (Marcon, 2002); (2) students are adept with social interaction skills, especially communication skills (Lipsey & Farren; 2016 & Gormley, 2017); and (3) students are able to comprehend meaningful learning on tests and in verbal communications (Stevenson & Newman, 1986).
- (e) Interviewees presented their personal perspectives of comparing the preparedness of Pre-K students versus the preparedness of non-Pre-K students for entering Kindergarten within their Schools with supportive literature as follows: All interviewees definitively stated Pre-K students enter school in much higher levels of preparedness than preparedness levels of non-Pre-K students, especially in the areas of communication skills, social skills, and pre-reading skills (Gaden-Hence, 2016; Lipsey & Farren, 2016; and Gormley, 2017).
- (f) Interviewees presented their personal perspectives of comparing the preparedness of Pre-K students versus the preparedness of non-Pre-K students for entering Kindergarten in Escambia County Schools with supportive literature as follows: All interviewees definitively stated Pre-K students enter school in much higher levels of preparedness than preparedness levels of non-Pre-K students, especially in the areas of communication skills, social skills, and pre-reading skills (Gaden-Hence, 2016; Lipsey & Farren, 2016; Gormley, 2017).
- (g) Interviewees overwhelmingly agreed that students who start Kindergarten with no formal Pre-K program begin much lower on virtually all skills than students who have attended a formal Pre-K program and this viewpoint if corroborated in the literature (Clements et. al., 2017; Gaden-Hence, 2016; Gormley, 2017; Lipsey & Farren, 2016).
- (h) Interviewees also overwhelming agreed on the strong importance of children attending a formal Pre-K program prior to entering school (Clements et. al., 2017) justifying this importance with the following reasons corroborated by the literature: (1) social interactions skills of Pre-K students are much higher than non-Pre-K students (Lipsey & Farren, 2016); (2) pre-reading, identification of colors, shapes, counting, and communication skills are much higher than non-Pre-K students (Center for Education, 2007; Center for Education, 2008; Pianta et. al, 2008); and (3)

Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

Carla J. Thompson, Giang-Nguyen Thi Nguyen

generational poverty is a key reason why formal Pre-K must be provided for all students to be allowed the opportunity to enter school (kindergarten) prepared to move forward with peers (Stevenson & Newman, 1986; Fitzpatrick, 2008; Lipsey & Farren, 2016).

- (i) Interviewees were in complete agreement regarding the importance of discussing the need for formal Pre-K with parents (Clements et. al., 2017) justifying their parent discussions with the following rationale items: (1) social interactions of children in formal Pre-K programs are high functioning and preparing children for advancement in school and at home (Stevenson & Newman,, 1986; Fitzpatrick, 2008; Gaden-Hence, 2016); and (2) discussing with parents about formal Pre-K attendance for their children fosters learning with community and family support for formal Pre-K programs (Lipsey & Farren, 2016; Gaden-Hence, 2017).
- (d) Interviewees were in complete agreement regarding the importance of discussing the need for formal Pre-K with parents (Clements et. al., 2017) justifying their parent discussions with the following rationale items: (1) social interactions of children in formal Pre-K programs are high functioning and preparing children for advancement in school and at home (Stevenson & Newman, 1986; Fitzpatrick, 2008; Gaden-Hence, 2016); and (2) discussing with parents about formal Pre-K attendance for their children fosters learning with community and family support for formal Pre-K programs (Lipsey & Farren, 2016; Gaden-Hence, 2017).

CONCLUSION

The three objectives posited for consideration in the current study included the following: (1) reviewing pertinent literature aimed at more than 50 years of kindergarten and Pre-K programs; (2) conducting extensive interviews of five pre-K and Kindergarten educators to discern perspectives of professional educators regarding the role of Pre-K programs in preparing children for educational prowess in later years in school.; and (3) identifying limitations of previous research, exploring current strides in Pre-K education, and positing options for educators and parents for predicting success of children in later grades. Objectives (1) and (2) were completed in the aforementioned sections with interpretive and conclusive discussions. Objective (3) is discussed here in three focused commentaries: (a) the limitations of previous research focused on PreK education; (b) the exploration of current strides in Pre-K education in the United States; and (c) positing options for educators and parents interested in predicting success of children in later grades.

LIMITATIONS

Limitations of the current research are focused on two major concerns: (1) the use of participants from the same large (over 25,000 students) school district may represent a limited perspective of preschool education and/or may not reveal the affect considerations of smaller school districts and (2) the use of only educators within the study may provide a focused educational viewpoint perhaps unlike the use of parents or taxpayers.

Carla J. Thompson, Giang-Nguyen Thi Nguyen

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Preschool/Pre-Kindergarten Education Promoting Student Performance in Later Years: A Qualitative Perspective

Carla J. Thompson, Giang-Nguyen Thi Nguyen

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