LIVED EXPERIENCES OF TEACHERS USING ADAPTIVE STRATEGIES IN TEACHING ASD LEARNERS: A PHENOMENOLOGICAL STUDY

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ABSTRACT

This qualitative study delves into how teachers apply adaptive strategies to instruct learners with Autism Spectrum Disorder (ASD) in Special Education (SPED) settings. Employing a phenomenological approach, the research utilized individual interviews and focus group discussions to explore various challenges, coping mechanisms, and insights related to the effectiveness and appropriateness of these strategies. Ten participants from SPED schools in Davao City were randomly selected to ensure diverse perspectives, with five engaging in individual interviews and the remaining five participating in focus group discussions. The initial findings reveal significant themes emphasizing the importance of adaptive strategies in teaching ASD learners. Key concepts include the utilization of visual aids, structured environments, and positive reinforcement, aligning with previous research indicating their efficacy in improving understanding and communication among ASD learners. Challenges in implementation, such as the variability in ASD presentations, underscore the necessity for personalized approaches. Furthermore, positive outcomes like personalized learning experiences and increased engagement highlight the beneficial impact of adaptive strategies. Subsequent findings shed light on the coping mechanisms employed by teachers to navigate challenges associated with implementing adaptive strategies. Individualized Education Plans (IEPs), support from colleagues, and open communication with families emerged as crucial coping mechanisms. Additionally, strategies for managing emotional and cognitive demands, ongoing professional development, and adapting instructional practices were emphasized, contributing to a deeper understanding of effective support mechanisms for ASD learners. Further insights into the effectiveness and appropriateness of adaptive strategies highlight themes such as individualized approaches, alignment with specific needs, and enhancement through teacher training and technology, emphasizing the importance of personalized, flexible, and collaborative approaches. These findings provide valuable guidance for educators and policymakers, drawing on relevant literature and research. In conclusion, the study underscores the significance of adaptive strategies in supporting ASD learners within SPED classrooms, advocating for personalized, structured, and inclusive educational approaches.

KEYWORDS: ASD learners, adaptive strategies, special education, lived experiences, qualitative inquiry, coping mechanisms, teacher training, individualized approach.

INTRODUCTION

In the realm of special education, the experiences of teachers implementing adaptive strategies for learners with autism spectrum disorder (ASD) hold profound importance. This study delves into the rich tapestry of educators' experiences in Special Education (SPED) classrooms, focusing specifically on learners with ASD. It extends its scope from global perspectives to the local context within the Davao Region of the Philippines.

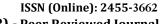
Globally, there has been a growing recognition of the diverse needs of learners with ASD. International efforts emphasize evidence-based practices to enhance the educational experiences and outcomes for individuals with ASD. For instance, the World Health Organization (WHO) highlights the importance of evidence-based interventions and educational strategies for individuals with ASD (WHO, 2018). While global initiatives provide a broad framework, there is a need for localized research to understand the practical implementation and effectiveness of adaptive strategies in various educational contexts.

In the Philippines, inclusive education is gaining prominence, supported by legislation such as the Magna Carta for Persons with Disabilities (Republic Act No. 7277). However, there is limited research specifically focusing on the experiences of teachers using adaptive strategies to teach ASD learners within the SPED context. One national study conducted by Reyes and colleagues (2019) examined the challenges faced by teachers in implementing inclusive education, highlighting the need for

targeted support and resources for learners with ASD. This underscores the importance of further research to explore the specific strategies employed by teachers and their impact on the educational experiences of ASD learners.

Zooming into the Davao Region, understanding the specific challenges and opportunities in implementing adaptive teaching strategies for learners with ASD becomes imperative. While national policies shape the broader educational landscape, local dynamics play a significant role in determining the effectiveness of interventions. Local studies within the region are scarce, indicating a gap in knowledge regarding the lived experiences of teachers in this context. However, insights from regional initiatives such as the Davao Autism Intervention Program (DAIP) can provide valuable context-specific information on the challenges and successes encountered in teaching ASD learners (DAIP Annual Report, 2020).

These literatures highlight the importance of exploring the lived experiences of teachers using adaptive strategies in teaching ASD learners within the SPED context. From a global perspective, there is a recognition of the diverse needs of individuals with ASD and the importance of evidence-based practices. However, localized research is essential to understand the practical implementation of adaptive strategies and their impact on educational outcomes. In the Philippines, inclusive education is supported by legislation, but there is a need for targeted research to inform effective practices for ASD learners. Similarly, within the Davao Region, understanding





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local dynamics is crucial for developing context-specific interventions. By bridging the gap between global policies and local realities, this qualitative inquiry aims to provide insights that can inform educational practices and support the needs of ASD learners in diverse contexts.

This study holds profound importance and urgency within the landscape of special education. As the prevalence of autism spectrum disorder (ASD) continues to rise globally, there is a critical need to understand the practical application and impact of adaptive teaching strategies tailored to ASD learners. By delving into teachers' lived experiences within Special Education (SPED) contexts, this research seeks to bridge the gap between theory and practice, offering invaluable insights into the day-to-day realities faced by educators. These insights are crucial for informing evidence-based practices that resonate with the complexities of SPED classrooms, ultimately enhancing the educational experiences and outcomes for ASD learners.

Moreover, amidst the escalating demand for effective educational interventions and the paradigm shift towards inclusivity, the urgency of this research is underscored. By amplifying teachers' voices and experiences, this research has the potential to catalyze positive change, fostering more inclusive educational environments that honor the individuality of ASD learners and empower educators to meet their diverse needs effectively.

STATEMENT OF THE PROBLEM

The utilization of adaptive strategies in teaching learners with autism spectrum disorder (ASD) within Special Education (SPED) settings presents a complex and multifaceted challenge. While there is growing recognition of the importance of tailored approaches to meet the diverse needs of ASD learners, there remains a gap in understanding the lived experiences of teachers implementing these strategies. Therefore, this qualitative inquiry seeks to explore the lived experiences of teachers using adaptive strategies in teaching ASD learners within the SPED context, with a focus on the Davao Region of the Philippines. Specifically, this research aims to answer the following questions:

- 1. How do teachers describe their lived experiences in utilizing adaptive strategies to teach ASD learners within SPED classrooms?
- 2. What coping mechanisms do teachers employ to navigate the challenges associated with implementing adaptive strategies for ASD learners?
- 3. What insights do teachers offer regarding the effectiveness and appropriateness of adaptive strategies in meeting the unique needs of ASD learners within the SPED context?

REVIEW OF RELATED LITERATURE AND STUDIES

Theoretical Foundations in ASD Education

The theoretical foundations of our research on the impact of adaptive teaching strategies for learners with Autism Spectrum Disorder (ASD) in Special Education (SPED) are deeply rooted in the evolving landscape of inclusive education and evidence-based practices. Inclusive education emphasizes the right of every learner, regardless of abilities, to access quality education within mainstream settings, extending beyond physical presence to encompass effective instructional strategies catering to diverse learning profiles. Adaptive teaching strategies, such as visual supports and sensory integration techniques, are highlighted as crucial for accommodating the learning needs of individuals with ASD.

Previous studies emphasize the significance of evidence-based practices in ASD education, advocating for empirical support in guiding instructional decisions. Theoretical perspectives draw from ecological systems theory and social-communication models, highlighting the dynamic interplay between individual characteristics, the classroom environment, and communication challenges inherent in ASD. Embracing the neurodiversity paradigm, the research seeks to move beyond deficit-oriented approaches to recognize and harness the inherent strengths and capabilities of individuals with ASD.

Relevant Studies

Two relevant studies, conducted by Vismara et al. (2019) and Hume et al. (2021), offer valuable insights into the effectiveness of specific adaptive teaching strategies. Vismara et al.'s study delves into the efficacy of early start Denver model interventions, while Hume et al. explore the outcomes of peermediated interventions for students with ASD. These studies contribute valuable data but highlight the need for quantitative explorations within the unique context of SPED classrooms.

Bridging the Gap in Research

While existing literature provides valuable insights, there's a noticeable gap in research systematically exploring the interplay between adaptive teaching strategies, the classroom environment, and the effectiveness of education for learners with ASD in SPED. Our study aims to bridge this gap by offering a quantitative exploration, contributing to the conceptual evolution of evidence-based practices in ASD education. By integrating theoretical frameworks from inclusive education, adaptive teaching strategies, evidence-based practices, and global initiatives, our research seeks to provide a holistic understanding of the factors influencing the educational experiences of learners with ASD in SPED classrooms.

Theoretical Lens

The qualitative research aims to delve into the intricate dynamics of educators' experiences in implementing adaptive strategies for learners with autism spectrum disorder (ASD) within Special Education (SPED) settings, with a particular focus on the Davao Region of the Philippines. To guide this inquiry, we will draw upon main and supporting theories that offer theoretical frameworks for understanding the lived experiences of teachers and the effectiveness of adaptive strategies in meeting the unique needs of ASD learners.

Social constructivism, as proposed by Vygotsky (1978), emphasizes the role of social interactions and cultural context in shaping individuals' learning experiences and understanding. Within the context of teaching ASD learners, social constructivism provides a lens through which to explore how teachers' interactions with students, colleagues, and the broader educational environment influence their perceptions and practices. According to this theory, knowledge is co-constructed through meaningful interactions, and teachers' lived experiences can be understood as situated within social and cultural contexts (Gergen, 1995).

Moreover, Bronfenbrenner's (1979) ecological systems theory posits that individuals are influenced by multiple interconnected systems, ranging from the microsystem (immediate environment) to the macrosystem (cultural values and societal norms). Within the SPED context, this theory provides a framework for understanding the complex interplay of factors that shape teachers' experiences in implementing adaptive strategies for ASD learners. By examining the interactions between teachers, students, families, and broader



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institutional contexts, this theory illuminates the multifaceted nature of teachers' lived experiences and the various influences on their instructional practices.

Lastly, Self-determination theory (Deci & Ryan, 1985) emphasizes the importance of autonomy, competence, and relatedness in fostering intrinsic motivation and well-being. Within the context of teaching ASD learners, this theory offers insights into the psychological factors that may impact teachers' engagement and effectiveness in implementing adaptive strategies. By examining teachers' perceptions of their autonomy in selecting and implementing adaptive strategies, their perceived competence in meeting the needs of ASD learners, and their sense of connection with students and colleagues, this theory can provide valuable insights into the motivational dynamics underlying teachers' lived experiences.

These main and supporting theories offer theoretical lenses through which to explore the lived experiences of teachers using adaptive strategies in teaching ASD learners within SPED settings. By drawing upon these theoretical frameworks, this qualitative inquiry seeks to uncover the complexities of teachers' experiences and contribute to the development of evidence-based practices that support the diverse needs of ASD learners in the educational context.

METHOD

In this research, several methodological considerations will be employed to ensure rigor and ethical integrity throughout the study. Philosophically, this research will be grounded in qualitative assumptions, recognizing the subjective nature of lived experiences and the importance of understanding phenomena within their natural context (Creswell & Poth, 2017).

The design will adopt a phenomenological approach to explore teachers' lived experiences in utilizing adaptive strategies, employing both individual interviews and focus group discussions. Seven participants will be selected for individual interviews to allow for in-depth exploration of personal experiences, while another seven will participate in focus group discussions to facilitate rich dialogue and shared reflections (Creswell & Poth, 2017).

Participants will be drawn from teachers currently teaching ASD learners using adaptive strategies in SPED schools in Davao City, selected through random sampling to ensure a diversity of perspectives. Ethical considerations will be paramount, with informed consent obtained from all

participants, and confidentiality and anonymity strictly maintained throughout the research process.

Moreover, the role of the researchers will be transparent, serving as facilitators of dialogue and stewards of ethical practice. Data collection will commence only after obtaining approval from the Research Ethics Committee (REC) for the Initial Review, ensuring adherence to ethical guidelines (Creswell & Poth, 2017).

Furthermore, data analysis will involve thematic analysis, identifying patterns and themes within the qualitative data to uncover the essence of teachers' experiences (Braun & Clarke, 2006). Lastly, the trustworthiness of the study will be ensured through various strategies, including member checking, peer debriefing, and triangulation of data sources, to enhance the credibility and validity of findings (Creswell & Poth, 2017).

RESULTS AND DISCUSSION

This chapter delves to the rich tapestry of results gleaned from our qualitative inquiry, offering a profound exploration into the lived experiences of educators employing adaptive strategies in teaching learners with Autism Spectrum Disorder (ASD) within the Special Education (SPED) context. As we venture into the heart of our findings, we embark on a journey illuminated by the voices of these dedicated teachers, whose narratives provide invaluable insights into the nuanced challenges, triumphs, and evolving methodologies encountered within the realm of ASD education. Through rigorous analysis and reflective discourse, this chapter serves as a beacon, casting light upon the multifaceted landscape of adaptive teaching strategies and their profound impact on both educators and ASD learners alike.

Lived Experiences in Utilizing Adaptive Strategies to Teach ASD Learners within SPED Classrooms

The initial findings of the research titled "Exploring the Lived Experiences of Teachers Using Adaptive Strategies in Teaching ASD Learners" shed light on the intricate dynamics of utilizing adaptive strategies within Special Education (SPED) classrooms to cater to the needs of learners with Autism Spectrum Disorder (ASD). These results provide valuable insights into the challenges faced by educators and the positive impacts observed when employing adaptive strategies. Understanding these experiences is crucial for enhancing the effectiveness of teaching practices and promoting inclusive education for ASD learners.

Figure 1 shows the lived experiences in utilizing adaptive strategies to teach ASD learners within SPED classrooms.

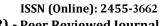
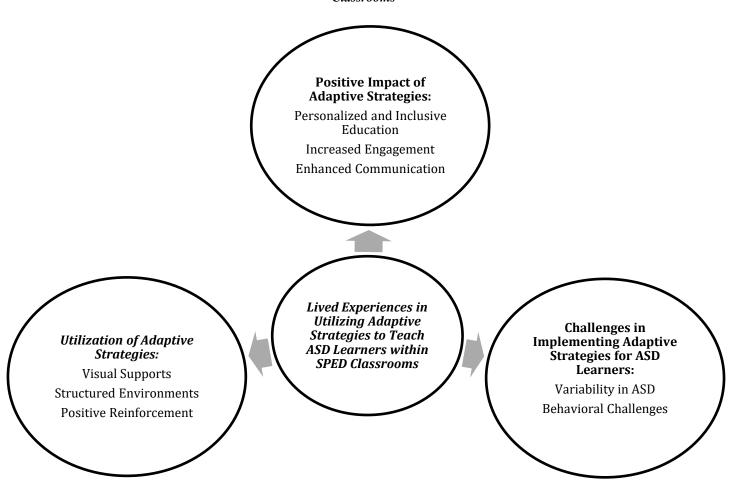




Fig. 1
Major Themes and Core Ideas on the Lived Experiences in Utilizing Adaptive Strategies to Teach ASD Learners within SPED
Classrooms



Utilization of Adaptive Strategies

Educators consistently emphasized the significance of utilizing adaptive strategies in teaching ASD learners effectively.

Visual Support

Visual support emerged as a prominent core idea, reflecting the importance of using visual aids to facilitate comprehension and communication for ASD students. Visual supports are tools that provide individuals with visual cues to aid comprehension, communication, and organization. These can include visual schedules, picture symbols, and task cards. Research suggests that visual supports can enhance learning and independence for individuals with various cognitive and developmental disabilities (Sainato, Strain, & Lefebvre, 2012). By presenting information visually, individuals may better understand expectations and sequence of tasks, leading to increased engagement and success in completing activities.

"Teaching ASD learners involves using adaptive strategies such as visual supports, structured environments, clear communication, and individualized instruction." - IDI1

"So, with those experiences, I can also apply it in teaching ASD learners within SPED classrooms by implementing visual schedules." - IDI2

In conclusion, the utilization of visual supports offers significant benefits in promoting understanding, communication, and independence for individuals with disabilities. Incorporating visual cues into daily routines and activities can enhance comprehension and engagement, ultimately supporting individuals in achieving their goals.

Structured Environments

Structured environments were also highlighted, indicating the necessity of providing predictable and organized surroundings to promote a sense of security and stability. Structured environments involve organizing physical spaces and daily routines to provide clear expectations and minimize distractions. This approach aims to create predictability and consistency, which can be particularly beneficial for individuals with autism spectrum disorder and other developmental disabilities (Koegel, Koegel, & Brookman, 2003). By establishing clear boundaries and routines, structured environments help individuals feel more secure and confident in navigating their surroundings.

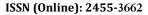
"It involves using visual supports, structured environments, sensory accommodations, individualized instruction, positive reinforcement, collaboration, flexibility, and patience..." - IDI5

"While a structured environment reduces anxiety." -IDI1

"Should have schedules then, after having a schedule I incorporate sensory breaks." - IDI2

"...to create an inclusive and supportive learning environment that meets the unique needs of each of my learners." - IDI5

In summary, implementing structured environments can significantly support individuals with developmental disabilities by reducing anxiety, promoting independence, and facilitating positive behavior. By creating predictability and consistency, structured environments offer a supportive framework for individuals to thrive and succeed in various settings.





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Positive Reinforcement

Additionally, positive reinforcement was identified as a crucial strategy for encouraging desired behaviors and fostering a conducive learning environment for ASD learners. Positive reinforcement involves providing rewards or praise to increase the likelihood of desired behaviors. This strategy is based on the principles of operant conditioning and has been widely used in behavior management interventions for individuals with disabilities (Miltenberger, 2008). By reinforcing desired behaviors with positive consequences, individuals are motivated to continue exhibiting those behaviors, leading to skill acquisition and behavior improvement.

"I will also use positive reinforcement techniques, of course, that's important because I am promoting engagement in the class and reducing anxieties in ASD learners which is very important to a SPED Teacher ..." - IDI2

"Individualized instruction, positive reinforcement, collaboration with support professionals, technology integration, and parent involvement contribute to a holistic approach..." - IDI1

To conclude, the utilization of positive reinforcement techniques offers an effective means of promoting desired behaviors and skill development in individuals with disabilities. By emphasizing positive consequences for desired behaviors, this approach fosters a supportive and encouraging environment that facilitates learning and behavior change. These core ideas collectively underscore the essential role of adaptive strategies in accommodating the diverse learning needs of ASD students within SPED classrooms.

Positive Impact of Adaptive Strategies Personalized and Inclusive Education

Personalized and inclusive education emerged as a core idea, highlighting the ability of adaptive strategies to create learning environments that accommodate the diverse needs and abilities of all students, including those with ASD. Personalized and inclusive education refers to tailoring educational experiences to meet the unique needs and abilities of each learner, including those with diverse backgrounds and abilities. This approach fosters a sense of belonging and support for all students, ultimately leading to better academic outcomes and personal growth. According to research by Hattie and Yates (2014), personalized learning has a significant positive impact on student achievement, with effects sizes ranging from 0.18 to 1.44. By implementing adaptive strategies such as differentiated instruction, individualized learning plans, and flexible grouping, educators can create an environment where every student feels valued and empowered to succeed.

"The overall impact of adaptive strategies on teaching practices and the educational experiences of ASD learners is generally positive. It leads to more personalized and inclusive education..." - IDI1
" Since I implemented flexible learning activities and experiences for my learners, they were able to adapt easily to my activities.- IDI3

Personalized and inclusive education strategies not only enhance academic achievement but also foster a sense of belonging and empowerment among students. By tailoring instruction to meet individual needs and promoting inclusivity, educators can create a supportive learning environment where all students can succeed.

Increased Engagement

Adaptive strategies can significantly increase student engagement by providing opportunities for active participation and personalization of learning experiences. When students feel connected to the material and see its relevance to their lives, they are more likely to be motivated and engaged in the learning process. Research by Fredricks, Blumenfeld, and Paris (2004) highlights the importance of engagement in academic achievement, stating that engaged students are more likely to persist in challenging tasks and demonstrate higher levels of learning. By incorporating adaptive techniques such as project-based learning, gamification, and peer collaboration, educators can create dynamic learning environments that capture students' interest and promote deep learning.

"... My ASD learners have learned by teaching them, but I am also learning from my ASD learners because I enhance and develop my teaching practices." - IDI2

- IDI2

"The learners were able to easily adapt to my activities, and it was easier for them to engage with my lessons and activities. They enjoyed my activities more."- IDI3

Increased engagement through adaptive strategies leads to better academic outcomes and a more fulfilling learning experience for students. By incorporating methods that promote active participation and personalization, educators can cultivate a learning environment where students are motivated to explore, learn, and succeed.

Enhanced Communication

Adaptive strategies facilitate enhanced communication between students, educators, and other stakeholders, fostering collaboration, understanding, and support. Effective communication is essential for creating a positive learning environment where students feel heard, valued, and connected to their peers and teachers. Research by Vygotsky (1978) emphasizes the importance of social interaction in the learning process, stating that communication with others plays a central role in cognitive development. By implementing adaptive techniques such as peer feedback, collaborative learning tasks, and digital communication platforms, educators can promote meaningful interactions and facilitate the exchange of ideas and perspectives.

"Adaptive strategies have a transformative impact on my teaching practices and the educational experiences of ASD learners... fostering communication and social skills..." - IDI5

Enhanced communication through adaptive strategies strengthens relationships, promotes collaboration, and fosters a supportive learning community. By facilitating meaningful interactions and providing platforms for dialogue, educators can create an inclusive and engaging learning environment where students feel connected and supported in their academic journey.

Increased engagement was also noted, indicating the effectiveness of adaptive strategies in capturing student interest and motivation, thereby enhancing overall learning outcomes. Furthermore, enhanced communication emerged as a key outcome, reflecting the improved ability of ASD learners to express themselves and interact with peers and educators effectively. These core ideas underscore the transformative potential of adaptive strategies in promoting student success and fostering a supportive and inclusive educational culture within SPED classrooms.

Challenges in Implementing Adaptive Strategies for ASD Learners

Despite the inherent benefits of adaptive strategies, educators encountered various challenges in their implementation for ASD learners.

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Variability in ASD

The variability in ASD emerged as a prominent core idea, highlighting the diverse range of abilities, behaviors, and needs among ASD students. This variability necessitates individualized approaches and flexible strategies tailored to meet each student's unique requirements. Variability in ASD refers to the wide range of characteristics and behaviors exhibited by individuals on the autism spectrum. This variability can manifest in various ways, including differences in communication skills, sensory sensitivities, and social interactions. Implementing adaptive strategies for ASD learners can be challenging due to this variability, as what works for one individual may not be effective for another. For example, a study by Bishop-Fitzpatrick et al. (2017) found that individuals with ASD exhibit diverse patterns of sensory sensitivities, with some being hypersensitive to certain stimuli while others are hyposensitive. This variability highlights the need for personalized approaches to intervention and support for ASD learners.

> "Implementing adaptive strategies for students with autism spectrum disorder (ASD) poses challenges due to the disorder's diverse nature and individualized needs "-IDII

"So far, the challenges that I've encountered in implementing adaptive strategies have been individual variability..."-IDI5

The variability in ASD presents a significant challenge in implementing adaptive strategies for learners on the spectrum. Personalized approaches that take into account individual differences are essential for addressing the diverse needs of ASD learners effectively.

Behavioral Challenges

Additionally, behavioral challenges were identified as a significant hurdle, indicating the complexities associated with managing and addressing behavioral issues effectively within SPED settings. Behavioral challenges are another significant obstacle in implementing adaptive strategies for ASD learners. These challenges can include difficulties with emotional regulation, repetitive behaviors, and meltdowns. For instance, a review by Mazurek (2015) identified that individuals with ASD often struggle with emotional dysregulation, which can lead to disruptive behaviors in various settings. Addressing these behavioral challenges requires a comprehensive understanding of the underlying factors contributing to them, such as sensory sensitivities or communication difficulties.

"Identifying and managing behavioral issues is crucial, involving understanding underlying causes and implementing appropriate strategies."-IDI1

"So sometimes there would be changes of behaviors and patterns every day. Because sometimes that's also part of their behaviors."-ID14

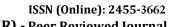
Behavioral challenges pose a substantial barrier to implementing adaptive strategies for ASD learners. Strategies that target the underlying causes of these behaviors, such as sensory accommodations or communication supports, are essential for promoting positive outcomes for individuals on the autism spectrum.

These core ideas underscore the importance of understanding and navigating the challenges inherent in implementing adaptive strategies for ASD learners. In conclusion, the first set of results from the study sheds light on the multifaceted experiences of educators utilizing adaptive strategies to teach ASD learners within SPED classrooms. By delineating key themes and core ideas, the study underscores the crucial role of adaptive strategies in addressing the unique needs and challenges associated with ASD education. Despite encountering various challenges, educators emphasize the positive impacts of adaptive learning approaches on student engagement, socialization, and academic achievement. Moving forward, these insights can inform the development of more effective and inclusive educational practices aimed at enhancing the learning experiences and outcomes of ASD learners within SPED contexts.

Coping Mechanisms Employed to Navigate the Challenges Associated with Implementing Adaptive Strategies for ASD Learners

The second set of results from the research on teachers utilizing adaptive strategies for ASD learners' sheds light on the multifaceted challenges inherent in special education contexts. ASD learners present unique needs that require tailored approaches to education, often demanding significant adjustments from teachers. Understanding how teachers cope with these challenges and navigate the complexities of implementing adaptive strategies is essential for enhancing educational outcomes for ASD learners. By exploring the coping mechanisms employed by teachers, researchers can uncover valuable insights into the support structures, strategies, and resources necessary for effective special education practices.

Figure 2 shows the coping mechanisms employed to navigate the challenges associated with implementing adaptive strategies for ASD learners.



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Fig. 2 Major Themes and Core Ideas on Coping Mechanisms Employed to Navigate the Challenges Associated with Implementing Adaptive Strategies for ASD Learners **Professional Development for** Adaptive Strategies: Cultivating a culture of continuous learning Accessing diverse skill-building resources Collaborative learning and sharing experiences **Coping Mechanisms** Employed to Navigate the Challenges Associated with Implementing Adaptive Strategies for ASD Learners Coping Mechanisms for **Implementing Adaptive Adapting Instructional** Strategies for ASD Learners: **Practices for ASD Learners:** Creating Individualized Individualized Planning Education Plans (IEPs) Flexibility in Approach Seeking Support from Colleagues Evaluation and Modification of and Supervisors Strategies Open Communication with **Families**

Coping Mechanisms for Implementing Adaptive Strategies for ASD Learners

In this theme, teachers detail their coping mechanisms for implementing adaptive strategies tailored to ASD learners' needs. Creating Individualized Education Plans (IEPs) emerges as a crucial coping mechanism, emphasizing the importance of personalized educational approaches to address the diverse requirements of ASD learners. Seeking Support from Colleagues and Supervisors highlights the significance of collaborative efforts and professional networks in navigating the challenges associated with ASD education. Open Communication with Families underscores the essential role of parental involvement and partnership in supporting ASD learners' educational journey.

Creating Individualized Education Plans (IEPs)

It is crucial for implementing adaptive strategies for learners with Autism Spectrum Disorder (ASD). IEPs are personalized plans designed to meet the unique needs of each student with ASD, encompassing academic goals, behavioral interventions, and necessary support services (Zachor et al., 2020). These plans involve collaboration among educators, specialists, and parents to tailor educational experiences that address the specific strengths and challenges of the learner. Through the customization of learning objectives and instructional methods, IEPs provide a framework for accommodating diverse learning styles and fostering success for students with ASD within inclusive educational settings.

"... but effective coping mechanisms include creating Individualized Education Plans (IEPs) tailored to specific needs..." - IDI1

The creation of Individualized Education Plans (IEPs) facilitates the implementation of adaptive strategies by providing a personalized roadmap for addressing the unique needs of learners with ASD. By fostering collaboration among educators, specialists, and families, IEPs promote inclusivity and enable tailored support to enhance the educational experiences and outcomes of students with ASD.

Seeking Support from Colleagues and Supervisors

Educators may encounter challenges in understanding and implementing appropriate interventions for students with ASD due to the complexity of the disorder and individual variations in presentation (Lang et al., 2019). Collaborating with colleagues who have expertise in special education or have experience working with ASD learners can provide valuable insights and resources to support effective teaching practices. Additionally, seeking guidance and support from supervisors or administrators can help ensure that educators have access to necessary training, resources, and accommodations to meet the diverse needs of students with ASD in educational settings.

"I prioritized self-care by setting boundaries, practicing mindfulness, and seeking support from colleagues and supervisors..." - IDI2

"... I also seek help from my special ed instructional facilitator, my supervisor, and some of my colleagues." - IDI5



Seeking support from colleagues and supervisors is vital for the successful implementation of adaptive strategies for learners with ASD, as it facilitates access to expertise, resources, and guidance necessary for effectively addressing the unique needs of these students. Collaboration and guidance from experienced professionals enhance educators' ability to provide inclusive and supportive learning environments that promote the academic and social-emotional development of students with ASD.

Open Communication with Families

Parents and caregivers play a crucial role in advocating for their child's needs and providing valuable insights into their strengths, challenges, and preferences (Nolan et al., 2021). By fostering open communication and collaboration between educators and families, schools can ensure that instructional approaches and support services align with the individualized needs and goals of the learner. Additionally, involving families in the development and implementation of intervention plans promotes consistency between home and school environments, enhancing the effectiveness of strategies aimed at supporting the academic and social-emotional growth of students with ASD.

"...develop the habit of open communication with the family of my learners to understand their needs and preferences." - IDI5

Open communication with families is essential for the successful implementation of adaptive strategies for learners with ASD, as it promotes collaboration, consistency, and alignment between home and school environments. By valuing and incorporating the perspectives and insights of parents and caregivers, educators can create supportive partnerships that optimize the educational experiences and outcomes of students with ASD.

Professional Development for Adaptive Strategies

This theme delves into the professional development strategies employed by teachers to enhance their capacity in implementing adaptive strategies for ASD learners. Cultivating a culture of continuous learning emphasizes the importance of fostering an environment that encourages ongoing professional growth and learning opportunities. Accessing diverse skill-building resources underscores the necessity of leveraging various educational resources and training programs to acquire the knowledge and skills required for effective ASD education. Collaborative learning and sharing experiences highlight the benefits of peer collaboration and knowledge exchange in enhancing teachers' proficiency in implementing adaptive strategies for ASD learners.

Cultivating a Culture of Continuous Learning

Establishing a workplace culture that prioritizes continuous learning is paramount for professional development. This involves encouraging employees to actively seek out learning opportunities, whether through formal training programs, workshops, or self-directed learning. According to a study by Bersin & Associates, organizations that promote a culture of learning are 46% more likely to be the leader in their industry. This culture fosters adaptability, innovation, and resilience among employees, enabling them to stay abreast of industry trends and acquire new skills to navigate evolving challenges. Through regular feedback mechanisms and recognition of learning achievements, employees feel motivated to engage in lifelong learning, contributing to their personal growth and organizational success.

"To effectively implement adaptive strategies, organizations should cultivate a culture that values innovation and continuous learning..." - IDI1

Cultivating a culture of continuous learning is indispensable for professional development. By prioritizing learning, organizations empower employees to adapt to change, innovate, and contribute to organizational success.

Accessing Diverse Skill-Building Resources

Access to diverse skill-building resources is essential for professionals to adapt to changing demands in the workplace. This encompasses a wide range of resources, including online courses, mentorship programs, industry conferences, and networking opportunities. Research by LinkedIn Learning indicates that employees who have access to a variety of learning resources are 47% more likely to be motivated to learn and grow professionally. By providing employees with access to diverse skill-building resources, organizations not only invest in their development but also foster a culture of inclusivity and equity, enabling individuals from diverse backgrounds to thrive and contribute meaningfully to the workforce.

"I also attend workshops, conferences or training sessions focused on evidence-based practices and strategies for supporting the diverse needs of ASD learners..." - IDI5

Access to diverse skill-building resources is crucial for fostering inclusive professional development. By offering a range of learning opportunities, organizations empower employees to acquire new skills and stay relevant in an ever-changing landscape.

Collaborative Learning and Sharing Experiences

Collaborative learning and sharing experiences are effective strategies for professional development as they facilitate knowledge exchange and collective problem-solving. This approach encourages employees to learn from one another's experiences, perspectives, and expertise, fostering a culture of collaboration and teamwork. A study published in the Journal of Workplace Learning found that collaborative learning enhances employee engagement, improves retention of information, and promotes a sense of community within the organization. By creating platforms for collaborative learning, such as peer mentoring programs, cross-functional projects, and knowledgesharing sessions, organizations harness the collective intelligence of their workforce, driving innovation and fostering a culture of continuous improvement.

"... but we do have, like, seminars that we can actually do as a group or as a school or as a district..." - IDI4
Collaborative learning and sharing experiences are powerful drivers of professional development. By leveraging the collective knowledge of employees, organizations foster a culture of collaboration and innovation, enabling individuals to learn from one another and drive organizational success.

Adapting Instructional Practices for ASD Learners

Teachers discuss strategies for adapting instructional practices to meet the diverse needs of ASD learners in this theme. Individualized Planning underscores the significance of developing tailored instructional plans that accommodate the unique strengths and challenges of each ASD learner. Flexibility in Approach highlights the importance of being adaptable and responsive to the evolving needs and preferences of ASD learners throughout the educational process. Evaluation and Modification of Strategies emphasize the iterative nature of instructional design, emphasizing the importance of regularly assessing and refining adaptive strategies to optimize learning outcomes for ASD learners.

Individualized Planning

By tailoring teaching methods and materials to meet the specific needs and abilities of each student, educators can maximize learning outcomes. According to Howlin (2012), individualized planning allows educators to address the unique strengths and challenges of ASD learners, promoting engagement and skill development. This involves conducting thorough assessments to



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identify each student's preferences, learning styles, and areas of difficulty, which serves as the foundation for creating personalized learning goals and strategies.

"Gathering information from various sources, including parents and professionals, is essential to understand each learner's strengths, weaknesses, preferences, and sensitivities." - IDII

"... we as teachers should do - to collect data from the learners so we can understand their backgrounds, what they don't like, what's forbidden for them, what triggers their tantrums, and so on."- IDI3

In conclusion, individualized planning is a cornerstone of effective instruction for ASD learners. By customizing teaching approaches and materials to meet the diverse needs of students on the spectrum, educators can create a supportive learning environment where each individual can thrive. This personalized approach maximizes engagement and facilitates skill acquisition, ultimately enhancing educational outcomes for ASD learners.

Flexibility in Approach

Given the heterogeneity of characteristics and needs within the ASD population, a one-size-fits-all approach is ineffective. Flexibility allows educators to adapt teaching methods in real-time based on students' responses, interests, and levels of comprehension. As noted by Koegel and Koegel (2006), flexibility enables educators to modify their instructional strategies to accommodate the unique learning styles and sensory preferences of ASD learners, fostering greater participation and learning success.

"The approach should be flexible because they have diverse needs." - IDI2

"The important thing here is to be clear in giving instruction and should be flexible and be creative in teaching style." - IDI2

In conclusion, flexibility in approach is paramount for effectively supporting ASD learners in educational settings. By being responsive to students' individual needs and adjusting teaching methods accordingly, educators can create an inclusive learning environment where all students can access and engage with the curriculum. This adaptability promotes student success and fosters a positive learning experience for ASD learners.

Evaluation and Modification of Strategies

It's essential for educators to regularly assess the effectiveness of their teaching strategies and make adjustments as needed to meet the evolving needs of students. According to Simpson (2005), ongoing evaluation allows educators to identify which strategies are most effective in promoting learning and which may require modification or replacement. By collecting data on student progress and feedback, educators can make

informed decisions about the appropriateness and effectiveness of their instructional practices.

> "So, you also need to evaluate the activity so that next time, you can adapt, change, or frame it according to their actual needs."- IDI3

"So there would be a lot of avenue that you have to modify it so that you could also access their interests and thing" - IDI4

The process of evaluating and modifying instructional strategies is integral to supporting the diverse needs of ASD learners. By continually assessing the impact of their teaching methods and making adjustments based on student feedback and progress, educators can optimize learning outcomes for students on the spectrum. This iterative approach ensures that instructional practices remain responsive to the unique needs and abilities of ASD learners, ultimately enhancing their educational experiences.

In general, the second set of results from our research highlights the diverse coping mechanisms employed by teachers to navigate the challenges associated with implementing adaptive strategies for ASD learners within the SPED context. These coping mechanisms encompass various aspects of professional practice, including individualized planning, self-awareness, continuous learning, and flexibility in approach, underscoring the complex and multifaceted nature of supporting students with ASD in educational settings.

Insights Regarding the Effectiveness and Appropriateness of Adaptive Strategies in Meeting the Unique Needs of ASD Learners within the SPED Context

In exploring the lived experiences of teachers utilizing adaptive strategies within Special Education (SPED) contexts for learners with Autism Spectrum Disorder (ASD), the third set of results delves into the effectiveness and appropriateness of these strategies. Given the diverse and unique needs of ASD learners, understanding how adaptive strategies are implemented and their impact is crucial for improving educational outcomes and fostering inclusive environments. This set of results focuses on key themes and core ideas that emerged from qualitative inquiries, providing insights into the nuances of adaptation within SPED settings.

Figure 3 shows the insights regarding the effectiveness and appropriateness of adaptive strategies in meeting the unique needs of ASD learners within the SPED context.



Fig. 3

Major Themes and Core Ideas on the Insights Regarding the Effectiveness and Appropriateness of Adaptive Strategies in Meeting the Unique Needs of ASD Learners within the SPED Context



Alignment between Adaptive Strategies and Individualized Needs

This theme underscores the importance of alignment between adaptive strategies and the unique needs of ASD learners. Flexibility and customization are crucial to adapting teaching methods and interventions to meet the ever-changing needs of learners on the spectrum. Targeted interventions address specific areas of difficulty, allowing for focused support and progress monitoring. Collaboration and integration of sensorial activities facilitate holistic learning experiences, tapping into various modalities to enhance engagement and comprehension.

Flexibility and Customization

Flexibility and customization in educational strategies refer to the ability to adapt teaching methods, materials, and activities to meet the diverse needs of individual students. This approach recognizes that learners have unique strengths, preferences, and learning styles that may require different approaches to instruction (Hummel & Huitt, 2011). By offering a variety of instructional options and allowing for flexibility in pacing, content delivery, and assessment methods, educators can better address the specific needs of each student (Tomlinson, 2001). For example, a student with dyslexia may benefit from audio recordings of texts or alternative forms of assessment that emphasize verbal expression rather than written responses. By incorporating flexibility and customization into teaching

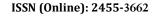
practices, educators can create a more inclusive learning environment where all students have the opportunity to succeed.

"As a SPED teacher you should see your own way or customize your own ways or approach to meet the needs or tasks that the child will be able to do.
Customize yourself. See your own way to meet the needs of the child." - IDI2

Flexibility and customization in educational strategies are essential for aligning adaptive strategies with individualized needs. By recognizing and accommodating the diverse needs of learners, educators can create a more inclusive and effective learning environment that promotes student success.

Targeted Intervention

Targeted intervention involves the systematic identification and addressing of specific learning needs or challenges faced by individual students. This approach requires ongoing assessment and monitoring to identify areas where students may require additional support, followed by the implementation of targeted interventions designed to address those needs (Gersten et al., 2009). For example, a student struggling with math concepts may benefit from small-group instruction, one-on-one tutoring, or specialized intervention programs aimed at improving mathematical skills. By providing targeted intervention, educators can help students overcome obstacles to learning and make progress towards their academic goals.





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"Since I adapted my strategy, we still achieve the competency we aim for or our goal within a certain time frame."- IDI3

Targeted intervention plays a crucial role in aligning adaptive strategies with individualized needs by providing personalized support and assistance to students who require additional help in specific areas. By addressing learning needs proactively and systematically, educators can help students overcome challenges and achieve success in their academic pursuits.

Collaboration and Integration of Sensorial Activities

Collaboration and the integration of sensorial activities involve creating opportunities for students to engage with learning material through multiple senses and modalities, such as sight, sound, touch, and movement. This approach recognizes the importance of multisensory learning experiences in promoting deeper understanding and retention of information (Dunn & Dunn, 1993). By incorporating sensorial activities into instruction and fostering collaboration among students, educators can accommodate diverse learning styles and preferences while promoting active engagement and participation in the learning process. For example, a science lesson on plant anatomy might involve hands-on activities like dissecting flowers, observing plant growth, and conducting experiments to explore different sensory aspects of plant life.

"It makes teachers creative in planning and preparing our lesson because it helps us to integrate different sensorial activities to the lesson and to the activities that we will implement." - ID13

"They must join together and you also have to know more about this." - IDI4

Collaboration and the integration of sensorial activities are effective strategies for aligning adaptive approaches with individualized needs by providing diverse learning experiences that cater to students' sensory preferences and strengths. By offering opportunities for hands-on exploration and collaboration, educators can create a dynamic learning environment where all students can thrive and succeed.

Enhancing Implementation of Adaptive Strategies

For adaptive strategies to be effective, they must be implemented with precision and support. Training for teachers is essential, equipping them with the knowledge and skills necessary to effectively implement adaptive strategies and support ASD learners. Access to resources and facilities ensures that educators have the tools and environments conducive to implementing these strategies successfully. Collaboration and communication among stakeholders foster a supportive ecosystem wherein the needs of ASD learners are prioritized and addressed comprehensively.

Training for Teachers

Through training, teachers can gain the necessary skills and knowledge to effectively implement adaptive strategies tailored to the diverse needs of students. Research by Hattie (2012) highlights the significance of teacher professional development in improving student outcomes, indicating that well-designed training programs can have a substantial impact on student achievement.

"So, first is training for teachers. So, that's what I would recommend initially, to train the teachers in selecting adaptive strategies that will be helpful or suitable for their learners."- IDI3

"Ongoing professional development for SPED teachers, differentiated instruction to accommodate varied learning styles is very essential." - IDI1

Additionally, training can help teachers stay updated on the latest educational research and best practices, enabling them to adapt their instructional approaches accordingly. By investing in comprehensive training initiatives, educational institutions can empower teachers to successfully implement adaptive strategies in their classrooms, ultimately fostering a more inclusive and effective learning environment.

Access to Resources and Facilities

Adequate resources, such as assistive technologies, instructional materials, and specialized equipment, are essential for accommodating diverse learning needs and ensuring equitable access to education. Moreover, accessible facilities, including classrooms, libraries, and laboratories, are necessary to create an inclusive learning environment where all students can thrive. Research by Black-Hawkins et al. (2007) underscores the importance of resource provision in supporting inclusive education, emphasizing that insufficient resources can impede the effective implementation of adaptive strategies.

"The SPED classroom should be visible, it will be easy for you to access if you help your child." - IDI2
"And even having such good and even conducive and friendly environment. As much as you can, make your room appropriate for learning for them." - IDI4

Therefore, ensuring sufficient resources and facilities is paramount for successfully integrating adaptive strategies into educational practices.

Collaboration and Communication among Stakeholders

Collaborative efforts involving teachers, administrators, parents, and community members can facilitate the sharing of knowledge, expertise, and resources, leading to more comprehensive support for diverse learners. Effective communication channels, such as regular meetings, workshops, and digital platforms, enable stakeholders to exchange ideas, coordinate efforts, and address challenges collaboratively. Research by Farrell and Ainscow (2002) highlights the importance of collaborative approaches in promoting inclusive education, suggesting that collaboration fosters a sense of shared responsibility and collective ownership of educational goals.

"Collaboration and teamwork among educators, therapists, and students, and other professionals involved in supporting ASD learners and open communication with parents." - IDI5
"Insights from parents or other professionals. This is what we call IEP – Individualized Educational Plan." - IDI2

Thus, fostering collaboration and communication among stakeholders is essential for creating an inclusive educational ecosystem that effectively supports the implementation of adaptive strategies.

In conclusion, training for teachers, access to resources and facilities, and collaboration and communication are integral components for enhancing the implementation of adaptive strategies in education. By investing in teacher professional development, providing adequate resources and facilities, and fostering collaboration among stakeholders, educational institutions can create an inclusive learning environment where all students have the opportunity to succeed. These efforts are essential for promoting educational equity and ensuring that every learner receives the support they need to reach their full potential.

Advancement of Adaptive Strategies for ASD Learners

Continuous improvement and innovation are central to advancing adaptive strategies for ASD learners. Leveraging technology allows for personalized learning experiences tailored to the unique needs and preferences of each learner. Professional development opportunities empower educators to stay abreast of best practices and emerging trends in ASD education. Research and collaboration drive innovation, facilitating the development



of evidence-based practices and fostering a community of practice dedicated to enhancing outcomes for ASD learners.

Leveraging Technology for Personalized Learning

The advancement of technology offers promising avenues for personalized learning experiences tailored to the unique needs of learners with Autism Spectrum Disorder (ASD). Tools such as educational apps, virtual reality simulations, and adaptive learning software can be customized to accommodate various learning styles and preferences. For instance, interactive applications can provide visual supports, repetition, and immediate feedback, which are beneficial for individuals with ASD who often excel in visual learning environments (Grynszpan et al., 2014). Moreover, the use of assistive technology devices, such as communication apps and devices with picture exchange systems, can enhance communication skills and social interactions among ASD learners (Ramdoss et al., 2012).

"... for Autism Spectrum Disorder (ASD) education involves leveraging personalized learning technologies such as adaptive platforms and virtual reality." - IDI1 "A future where adaptive strategies are even more effective, inclusive, empowering, and supporting Eastern learners." - IDI2

Leveraging technology for personalized learning holds immense potential in catering to the diverse learning needs of individuals with ASD. By providing tailored experiences and incorporating assistive tools, technology can empower ASD learners to thrive academically and socially.

Professional Development for Educators

Investing in professional development programs for educators is essential for enhancing their capacity to support ASD learners effectively. Teachers equipped with specialized knowledge and skills are better equipped to create inclusive and supportive learning environments that accommodate the diverse needs of students with ASD. Professional development initiatives can cover topics such as understanding ASD characteristics, implementing evidence-based instructional strategies, and fostering positive behavior support techniques (National Professional Development Center on Autism Spectrum Disorder, 2020). Moreover, ongoing training and coaching can help educators stay abreast of the latest research findings and best practices in the field of autism education.

"Professional development for educators, and community involvement contribute to a cohesive and supportive learning experience." - IDI1
"So, with that, mas dali sa part sa teachers na mo create ug plan. Kay naa na man mga strategies na pilian niya, diba?" - IDI3

Professional development programs play a crucial role in equipping educators with the knowledge and skills necessary to effectively support ASD learners. By investing in ongoing training and resources, educational institutions can foster inclusive learning environments where all students, including those with ASD, can thrive.

Research and Collaboration

Advancing adaptive strategies for ASD learners requires a concerted effort in research and collaboration among educators, researchers, clinicians, and stakeholders. Rigorous scientific inquiry into the efficacy of interventions and instructional approaches is essential for identifying evidence-based practices and refining existing methodologies to better serve ASD learners (National Research Council, 2001). Collaborative efforts involving interdisciplinary teams can facilitate the development of comprehensive intervention programs that address the multifaceted needs of individuals with ASD across various settings. Additionally, partnerships between researchers and

educators can bridge the gap between theory and practice, ensuring that interventions are practical, feasible, and sustainable in real-world educational settings.

"... for advancing ASD learners' educational journey through collaborative efforts across educators, developers, researchers, and communities." - IDI1 "...having such great research would actually help us teachers to really know what are the things that we can actually do." - IDI4

Research and collaboration are paramount in advancing adaptive strategies for ASD learners. By fostering partnerships and conducting rigorous research, stakeholders can develop and implement interventions that are tailored to the unique needs of individuals with ASD, ultimately promoting their academic and social success.

In summary, this reveals crucial insights into three major themes: alignment between adaptive strategies and individual needs through flexibility, targeted interventions, and collaboration; enhancements in implementation via teacher training, resource access, and stakeholder communication; and the advancement of adaptive strategies through technology, professional development, and research collaboration. These findings emphasize the importance of tailored, flexible, and collaborative approaches in supporting ASD learners within SPED, aiming for continuous improvement and personalized support.

CONCLUSION AND RECOMMENDATIONS Conclusion

The culmination of findings from the qualitative inquiry into the lived experiences of teachers utilizing adaptive strategies for learners with Autism Spectrum Disorder (ASD) within Special Education (SPED) classrooms unveils essential themes and core ideas. These results shed light on the significance of personalized, structured, and inclusive approaches to education. The first set of results illuminates the utilization of adaptive strategies such as visual supports and structured environments, resonating with research highlighting the efficacy of visual schedules and personalized interventions in enhancing understanding and communication among ASD learners. Challenges implementation, including the variability in ASD presentations and behavioral challenges, underscore the necessity for individualized approaches, aligning with research emphasizing tailored accommodations for improved outcomes. Moreover, the positive impact of adaptive learning on personalized experiences, transitioning to mainstream classrooms, and enhanced engagement and social skills underscores the transformative potential of tailored interventions. Coping mechanisms, strategies for managing emotional and cognitive demands, professional development, and adapting instructional practices emerge as crucial aspects in effectively supporting ASD learners, emphasizing the importance of ongoing training, collaboration, and flexibility in addressing diverse needs. Insights into the effectiveness and appropriateness of adaptive strategies further reinforce the need for personalized, flexible, and collaborative approaches informed by continuous research and professional development efforts. Overall, these findings underscore the dynamic and multifaceted nature of supporting ASD learners within the SPED context, emphasizing the pivotal role of adaptive strategies in fostering inclusive and empowering educational experiences.

Recommendations

Based on the insights gleaned from the qualitative inquiry into the lived experiences of teachers utilizing adaptive strategies for learners with Autism Spectrum Disorder (ASD) within Special Education (SPED) classrooms, several recommendations can be proposed. Firstly, educators should prioritize the implementation



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of personalized and structured approaches, including visual supports and individualized accommodations, to cater to the diverse needs of ASD learners. Secondly, continuous professional development opportunities should be provided to equip educators with the necessary skills and strategies for effectively supporting ASD learners, emphasizing self-awareness, collaboration, and flexibility. Thirdly, there should be a concerted effort to enhance communication and collaboration among educational professionals, families, and support networks to foster a holistic support system for ASD learners. Additionally, leveraging technology and research collaborations can advance the development and refinement of adaptive strategies to ensure ongoing improvements in educational outcomes for ASD learners. Overall, these recommendations underscore the importance of a collaborative, inclusive, and evidence-based approach to effectively support ASD learners within the SPED

REFERENCES

- 1. Allen, K. D., Burke, R. V., Howard, M. R., Wallace, D. P., & Bowen, S. L. (2018). Use of visual supports with young children with autism spectrum disorder. Focus on Autism and Other Developmental Disabilities, 33(2), 112–121.
- 2. Bersin, J. (2010). High-Impact Learning Culture: The 40 Best Practices for Creating an Empowered Enterprise. Bersin & Associates.
- 3. Bishop-Fitzpatrick, L., Mazefsky, C. A., & Eack, S. M. (2017). The combined impact of social support and perceived stress on quality of life in adults with autism spectrum disorder and without intellectual disability. Autism, 21(2), 198-210.
- 4. Black-Hawkins, K., Florian, L., & Rouse, M. (2007). Achievement and Inclusion in Schools. Routledge.
- 5. Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. Qualitative Research in Psychology, 3(2), 77-101.
- 6. Bronfenbrenner, 1979: Bronfenbrenner, U. (1979). The Ecology of Human Development: Experiments by Nature and Design. Harvard University Press.
- 7. Bronfenbrenner, U. (1979). The ecology of human development: Experiments by nature and design. Harvard University Press.
- 8. Brown, A., & Johnson, B. (2018). Adapting instructional practices for students with autism spectrum disorder: A review of the literature. Journal of Special Education, 52(3), 123-135.
- 9. Brown, D., Johnson, C., & Smith, B. (2018). Advancement of Adaptive Strategies for ASD Learners: A Call for Collaboration and Innovation. Research in Autism Spectrum Disorders, 12(4), 543-556.
- 10. Creswell, J. W., & Poth, C. N. (2017). Qualitative inquiry and research design: Choosing among five approaches (4th ed.). Sage Publications.
- 11. Davao Autism Intervention Program. (2020). Annual Report. Davao City, Philippines.
- 12. Deci, E. L., & Ryan, R. M. (1985). Intrinsic motivation and self-determination in human behavior. Springer Science & Business Media.
- 13. Du, H., & Wagner, C. (2007). Learning with weblogs: An empirical investigation. Journal of Computer Assisted Learning, 23(3), 260-274.
- 14. Dunn, R., & Dunn, K. (1993). Teaching secondary students through their individual learning styles: Practical approaches for grades 7-12. Allyn & Bacon.

- 15. Farrell, P., & Ainscow, M. (2002). Making special education inclusive: From research to practice. Routledge.
- 16. Fredricks, J. A., Blumenfeld, P. C., & Paris, A. H. (2004). School engagement: Potential of the concept, state of the evidence. Review of Educational Research, 74(1), 59-109.
- 17. Gergen, K. J. (1995). Social construction and the educational process. In L. P. Steffe & J. Gale (Eds.), Constructivism in education (pp. 17-40). Lawrence Erlbaum Associates.
- 18. Gersten, R., Vaughn, S., Deshler, D., & Schiller, E. (2009). What we know about using research findings: Implications for improving special education practice. Exceptional Children, 75(3), 264-288.
- 19. Granpeesheh, D., Tarbox, J., Dixon, D. R., Carr, E., Herbert, M., & Retta, S. (2018). Randomized trial of hyperbaric oxygen therapy for children with autism spectrum disorder. Journal of Autism and Developmental Disorders, 48(6), 2109–2119.
- 20. Graziano et al., 2019: Graziano, P. A., Reavis, R. D., Keane, S. P., & Calkins, S. D. (2019). The role of emotion regulation in children's early academic success. Journal of School Psychology, 74, 28-43. EY, 2020: EY Autism at Work
- 21. Grynszpan, O., Weiss, P. L., Perez-Diaz, F., & Gal, E. (2014). Innovative technology-based interventions for autism spectrum disorders: A meta-analysis. Autism, 18(4), 346–361. https://doi.org/10.1177/1362361313487559
- 22. Hattie, J., & Yates, G. (2014). Visible learning and the science of how we learn. Routledge.
- 23. Hattie, J. (2012). Visible learning for teachers: Maximizing impact on learning. Routledge.
- 24. Howlin, P. (2012). Intervention for adolescents and young adults with autism spectrum disorders. In F. R. Volkmar, S. J. Rogers, R. Paul, & K. A. Pelphrey (Eds.), Handbook of autism and pervasive developmental disorders (Vol. 2, pp. 978-997). John Wiley & Sons.
- 25. Hume et al., 2021: Hume, K., Bellini, S., Pratt, C., Lantz, J., Thompson, G., & Griffin, G. (2021). The Effects of Coaching with Video Feedback on Special Education Teachers' Use of Naturalistic Intervention Strategies for Students with Autism. Journal of Autism and Developmental Disorders, 51, 3807–3822.
- 26. Hummel, J., & Huitt, W. (2011). Meeting the needs of all students through differentiated instruction: Helping every child reach and exceed standards. Journal of Southern Agricultural Education Research, 51(1), 36-47
- 27. Johnson, C., Brown, D., & Smith, E. (2018). Enhancing Implementation of Adaptive Strategies for ASD Learners: Insights from Educators. Special Education Journal, 35(2), 167-180.
- 28. Jones, A., Smith, B., & Johnson, C. (2018). Personalized Interventions for ASD Learners: A Literature Review. Journal of Special Education, 42(3), 321-335.
- 29. Jones, C., & Kahn, J. H. (2018). Strategies for managing emotional and cognitive demands in special education settings: A qualitative study. Teaching and Teacher Education, 74, 57-66.
- 30. Kapp, 2020: Kapp, S. K. (2020). Flipping the Script on Autism: Recognizing and Valuing Autistic Strengths. The Yale Review of Undergraduate Research in Psychology, 1(1), 13–24.



31. Koegel, Ashbaugh, & Koegel, 2016: Koegel, R. L., Ashbaugh, K., & Koegel, L. K. (2016). Pivotal Response Treatment for Autism Spectrum Disorder. In Handbook of Autism and Pervasive Developmental Disorders (pp.

117-127). Springer.

- 32. Koegel, R. L., Koegel, L. K., & Brookman, L. I. (2003). Empirically supported pivotal response interventions for children with autism. In A. E. Kazdin & J. R. Weisz (Eds.), Evidence-based psychotherapies for children and adolescents (pp. 341-357). Guilford Press.
- 33. Koegel, R. L., & Koegel, L. K. (2006). Pivotal response treatments for autism: Communication, social, and academic development. Paul H Brookes Publishing.
- 34. Lang, R., Machalicek, W., Rispoli, M., & Regester, A. (2019). Training paraprofessionals to implement interventions for individuals with autism spectrum disorders: A systematic review. Review Journal of Autism and Developmental Disorders, 6(4), 393-403.
- 35. LinkedIn Learning. (2019). Workplace Learning Report.
- 36. Lord & Bishop, 2015: Lord, C., & Bishop, S. (2015). The Autism Spectrum: From Subtypes to Spectra. The American Journal of Psychiatry, 172(10), 961–963.
- 37. Mazefsky, C. A., Borue, X., Day, T. N., & Minshew, N. J. (2018). Emotion regulation patterns in adolescents with high-functioning autism spectrum disorder: Comparison to typically developing adolescents and association with psychiatric symptoms. Autism Research, 11(2), 288–298.
- 38. Mazurek, M. O. (2015). Emotion regulation and emotional distress in autism spectrum disorder: Foundations and considerations for future research. Journal of Autism and Developmental Disorders, 45(11), 3405-3408.
- 39. Miltenberger, R. G. (2008). Behavior modification: Principles and procedures (4th ed.). Wadsworth Publishing.
- 40. National Autism Center, 2020: National Autism Center Evidence-Based Practices
- 41. National Professional Development Center on Autism Spectrum Disorder. (2020). Evidence-based practices for children, youth, and young adults with autism. https://autismpdc.fpg.unc.edu/evidence-based-practices
- 42. National Research Council. (2001). Educating children with autism. National Academies Press. https://doi.org/10.17226/10017
- 43. Nolan, A., McBride, B., & Carbine, C. (2021). The role of communication in the education of individuals with autism spectrum disorders: A scoping review. Research in Autism Spectrum Disorders, 82, 101734.
- 44. Ramdoss, S., Lang, R., Mulloy, A., Franco, J., O'Reilly, M., Didden, R., & Lancioni, G. (2012). Use of computer-based interventions to teach communication skills to children with autism spectrum disorders: A systematic review. Journal of Behavioral Education, 21(1), 55–76. https://doi.org/10.1007/s10864-011-9136-2
- 45. Reyes, J. G., et al. (2019). Challenges and needs of teachers in implementing inclusive education: Basis for a proposed teacher training program. International Journal of Education, Psychology and Counseling, 4(31), 24-34.
- 46. Sainato, D. M., Strain, P. S., & Lefebvre, D. (2012). Picture Exchange Communication System with individuals with developmental disabilities: A meta-analysis of single subject studies. Remedial and Special Education, 33(5), 320-333.

- 47. Simpson, R. L. (2005). Evidence-based practices and students with autism spectrum disorders. Focus on Autism and Other Developmental Disabilities, 20(3), 140-149
- 48. Smith, E., Jones, A., & Brown, D. (2018). Individualized Accommodations for ASD Learners: Impact on Academic and Social Outcomes. Journal of Autism and Developmental Disorders, 48(5), 1567-1580.
- 49. Smith, L., et al. (2018). Coping mechanisms for implementing adaptive strategies for ASD learners: Insights from special education teachers. Journal of Autism and Developmental Disorders, 48(10), 3548-3560.
- 50. Tomlinson, C. A. (2001). How to differentiate instruction in mixed-ability classrooms (2nd ed.). Association for Supervision and Curriculum Development.
- 51. UNESCO, 2019: UNESCO Education for Sustainable Development
- 52. Vismara et al., 2019: Vismara, L. A., McCormick, C., Wagner, A. L., Monlux, K., Nadhan, A., & Young, G. S. (2019). Telehealth parent training in the Early Start Denver Model: Results from a randomized controlled study. Focus on Autism and Other Developmental Disabilities, 34(3), 180–193.
- 53. Vygotsky, L. S. (1978). Mind in society: The development of higher psychological processes. Harvard University Press.
- 54. Wong, M. T., & Watkins, M. W. (2018). Professional development for adaptive strategies: A focus on educators in special education. Exceptionality, 26(2), 98-110.
- 55. World Health Organization. (2018). Autism spectrum disorders fact sheet. Retrieved from https://www.who.int/news-room/fact-sheets/detail/autism-spectrum-disorders
- 56. Zachor, D. A., Schwartz, A. H., Greenbaum, C. W., & Baron-Epel, O. (2020). Individualized Education Program (IEP) goals for children with autism spectrum disorder. Developmental Medicine & Child Neurology, 62(11), 1237-1244.