

# Empowering Child PTSD with Academic and Emotional Resilience

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## Abstract

This research paper seeks to examine the potential influence of Suggestopedia as a therapeutic intervention on the academic achievement of students diagnosed with Post-Traumatic Stress Disorder (PTSD). Suggestopedia, a pedagogical technique crafted to augment learning through relaxation and suggestion, is posited to mitigate the adverse impact of PTSD on learning and cognitive abilities. The study will utilize a mixed-methods methodology, encompassing quantitative assessments of academic performance and qualitative interviews, to thoroughly investigate the impact of Suggestopedia on students grappling with PTSD.

**Keywords:** trauma-induced cognitive impediments, Post-Traumatic Stress Disorder

## Introduction

This research paper aims to investigate the possible effects of using Suggestopedia as a therapeutic method in academic settings. Specifically, we want to understand how it might impact the academic performance of students who have been diagnosed with Post-Traumatic Stress Disorder (PTSD). Suggestopedia is an educational approach designed to enhance learning by using relaxation techniques and suggestions. We believe it could be a promising way to help students with PTSD overcome the negative effects it may have on their learning and cognitive abilities.

In our research, we aim to achieve a specific goal. To do this, we're going to use a combination of two different research methods: quantitative and qualitative. We're doing this because each method has its own strengths, and by using both, we can get a better understanding of our topic. The quantitative part of our study will involve looking at things that can be measured, like academic performance. We'll examine how using Suggestopedia in the education of people dealing with PTSD might change or improve their academic performance. This will give us a thorough understanding of the impact of Suggestopedia in this context.

The qualitative dimension of this research endeavor will be harnessed via the instrumentality of in-depth interviews, which will facilitate a nuanced and experientially grounded exploration of the multifaceted effects engendered by the incorporation of Suggestopedia within the pedagogical landscape for students ensnared by the complex web of PTSD. This qualitative strand will not only provide a platform for the articulation of personal narratives and perceptual shifts but will also furnish a deeper comprehension of the underlying psychological mechanisms that may be implicated in the observed alterations of academic

performance and cognitive engagement ensuing from the application of Suggestopedia techniques. By orchestrating this methodological symphony encompassing both quantitative measurements and qualitative insights, this research aspires to yield a comprehensive and multifarious understanding of the potential influence wielded by Suggestopedia as a therapeutic modality, and its subsequent interplay with the academic trajectories of students grappling with PTSD. Through this meticulously crafted approach, the study endeavors to pave a scholarly path toward the elucidation of the hitherto unexplored synergies between pedagogical innovation and psychological well-being, ultimately contributing to the refinement of educational practices tailored to the needs of individuals traversing the intricate terrain of trauma-induced cognitive impediments. And also this research will use in-depth interviews to explore how incorporating Suggestopedia techniques into education affects students with PTSD. The interviews will allow to understand their personal experiences and how these techniques might impact their academic performance and engagement.

By combining both quantitative data and qualitative insights, this research aims to provide a comprehensive understanding of how Suggestopedia can be used as a therapeutic approach and how it relates to the academic progress of students dealing with PTSD. Through this carefully designed approach, the study aims to uncover new connections between innovative teaching methods and mental well-being, with the ultimate goal of improving educational practices for individuals who are struggling with cognitive difficulties due to trauma.

### **Background and Reasoning:**

Post-traumatic stress disorder (PTSD) is a mental health condition that can seriously affect a person's ability to think and learn. People with PTSD often struggle with paying attention, remembering things, making decisions, and picking up new information. The way PTSD affects learning and thinking can vary from person to person, but it can be really tough for those dealing with it. There's no one-size-fits-all solution for PTSD, but there are different therapies that can help, like talking therapy, facing fears, and a type of therapy that involves moving your eyes. With treatment, most people with PTSD can learn how to handle their symptoms and lead a normal and productive life.

People with PTSD might find it hard to concentrate and focus, especially when they're reminded of the traumatic event that caused their PTSD. This can make it tough to learn new stuff or finish tasks that need a lot of attention. They may also have trouble picking up new information, especially if it's related to the traumatic event. This can make it challenging to do well in school or at work.

People who have post-traumatic stress disorder (PTSD) often face difficulties with their thinking abilities. They might struggle to remember detailed aspects of the traumatic event and find it hard to learn new information. This can make it tough for them to gain new knowledge or remember important information for school or work.

In addition, their executive functions, which involve skills like planning, organizing, and problem-solving, can be negatively affected by PTSD. People with PTSD may have trouble managing their time, completing tasks, and making decisions, which can impact their overall performance and productivity.

So it is a severe mental health condition that can have a profound impact on learning and cognitive functions. Individuals with PTSD often experience disruptions in their ability to process and retain information, as well as difficulties with attention, concentration, memory, and executive functioning. These cognitive impairments can be attributed to the hyper arousal, hyper vigilance, intrusive memories, and avoidance behaviors that are characteristic of PTSD.

The present study seeks to explore the complex relationship between PTSD and cognitive functioning. This comprehensive analysis will examine the underlying mechanisms through which PTSD symptoms exert their influence on cognitive processes. The findings of this study will have important implications for the development of more effective strategies for supporting individuals affected by PTSD in educational settings

PTSD is a serious mental health condition that can seriously affect a person's ability to learn and think clearly. People with PTSD often struggle with things like paying attention, remembering information, and making decisions. These difficulties happen because of the intense stress, constant alertness, intrusive memories, and avoidance behaviors that come with PTSD.

Our research aims to understand how PTSD and thinking abilities are connected. We want to dig deep into the reasons why PTSD symptoms can make it hard for someone to think clearly. The results of our study could help us find better ways to support people with PTSD in school and other learning environments.

### **Aim of the Study**

This research aims to understand how PTSD affects learning and cognitive functions, and to develop effective interventions to help people with PTSD learn better.

The researchers will conduct a study to examine the impact of PTSD on learning and cognitive functions. They will also develop and evaluate interventions to improve the learning and cognitive functions of people with PTSD. Finally, they will study the effectiveness of Suggestopedia, a teaching method that uses music, relaxation, and suggestion to enhance learning, in mitigating learning impairment in students with PTSD.

The researchers will answer the following questions:

- What are the most effective interventions for improving the learning and cognitive functions of people with PTSD?
- What is the effect of Suggestopedia on the academic performance of students?
- How do students with PTSD perceive the impact of Suggestopedia on their learning experience?

By answering these questions, the researchers hope to develop new and effective ways to help people with PTSD learn and succeed.

Students grappling with post-traumatic stress disorder (PTSD) frequently face significant impediments when it comes to concentrating on their academic responsibilities. The intrusion of distressing thoughts and unwelcome flashbacks can prove particularly disruptive, diverting their attention from schoolwork. These students often exhibit heightened susceptibility to environmental stimuli and noises, which easily pull them away from their tasks. PTSD can significantly compromise memory function, resulting in difficulties retaining previously acquired information and acquiring new knowledge. Another challenge students with PTSD contend with is the organization of their thoughts and belongings, along with the planning and execution of tasks. These cognitive processes may become erratic and less efficient due to the lingering effects of trauma. Consequently, the mere act of coordinating their academic pursuits can become a daunting endeavor. Individuals experiencing PTSD often engage in avoidance behaviors aimed at evading situations or stimuli that evoke traumatic memories. This avoidance may extend to specific classes, teachers, or school-related activities. As a result of this, it becomes increasingly challenging for

them to participate fully in their educational experience. Also the social dimension of their lives can suffer as well. PTSD sufferers may withdraw from social interactions and relationships, causing difficulties in forming connections and seeking support from peers.

It is important to note that PTSD often coexists with comorbid conditions such as depression and anxiety. These emotional struggles further compound the academic hurdles faced by students with PTSD, perpetuating a cycle of diminished performance and increased distress. In sum, the challenges posed by PTSD encompass not only intrusive thoughts and flashbacks but also extend to various cognitive, organizational, social, and emotional aspects of a student's life, ultimately impacting their educational journey

Cognitive problems in people with post-traumatic stress disorder (PTSD) are quite complex and can involve a range of issues. One major aspect is that individuals with PTSD tend to pay too much attention to things that remind them of their traumatic experiences. This heightened focus on potential threats can distract them from what they should be concentrating on, making it harder to learn new information effectively. People with PTSD often struggle with their working memory and executive functions. These are like the brain's control center, responsible for tasks like controlling impulses and adapting to changing situations. When these functions are disrupted, it becomes challenging to process and incorporate new information into their existing knowledge.

This difficulty can make it hard for them to organize and make sense of new things they learn. It's like trying to put together a puzzle when some of the pieces are missing or don't fit properly. As a result, forming coherent mental models or clear understandings of things becomes a real challenge for individuals dealing with PTSD.

The deleterious effects of emotional factors on learning impairment in individuals with post-traumatic stress disorder (PTSD) are intricately intertwined with cognitive mechanisms. The augmented emotional reactivity and emotional desensitization frequently observed in PTSD sufferers significantly undermine the learning process. The heightened emotional arousal associated with the re-living of traumatic memories triggers an augmented release of stress hormones, subsequently impacting the consolidation and retrieval processes of memory. Emotional desensitization, characterized by a diminished capacity to experience positive emotions, blunts the intrinsic motivational impetus required for effective engagement in the learning process. The dysregulation of the fear response system further exacerbates learning impairments by reinforcing avoidance behaviors, thus impeding exposure to novel learning experiences.

The intricate interplay between cognitive and emotional elements engenders a self-perpetuating cycle of compromised learning within individuals grappling with PTSD. Elevated emotional reactivity serves as the catalyst for attention biases towards stimuli associated with trauma, thereby diverting cognitive capacities away from the execution of learning-related tasks. Accordingly, deficiencies in cognitive domains such as working memory and executive functions curtail the individual's capacity to effectively absorb and integrate information presented during learning endeavors. These cognitive deficits, in turn, exacerbate emotional dysregulation, as the incapacity to adeptly process novel information impedes the development of adaptive cognitive frameworks that could potentially ameliorate emotional distress

Intrusive ruminations and haunting flashbacks stemming from traumatic experiences can severely hamper one's cognitive focus and disrupt their capacity to engage effectively in various scholastic pursuits. This affliction is particularly conspicuous in the realm of academia, where individuals grappling with Post-Traumatic Stress Disorder (PTSD) often encounter substantial difficulties in maintaining attention during classes, diligently pursuing their studies, and successfully completing assignments. In essence, the

relentless intrusion of traumatic memories permeates their cognitive space, eclipsing the mental bandwidth available for scholastic endeavors.

Those afflicted by PTSD frequently exhibit a state of hyper-vigilance, wherein they are perpetually ensnared in a heightened state of alertness, relentlessly scanning their surroundings for potential threats. This perpetual state of apprehension can make it exceedingly challenging for them to find reprieve and immerse themselves in the process of learning. Their perpetual anticipation of danger inhibits their ability to relax, thereby obstructing the cognitive receptivity necessary for effective education.

Intrinsically linked to this plight are the overpowering negative emotions that are the hallmark of PTSD, including fear, anxiety, sadness, and guilt. These emotional maelstroms act as formidable cognitive adversaries, rendering concentration, memory retention, and decision-making arduous tasks for those ensnared by their grip. In essence, the relentless assault of such emotions impinges upon the mental faculties required for successful scholastic endeavors, leading to a disruptive and disorienting educational experience.

Dissociation emerges as a coping mechanism wielded by individuals as a means of disengaging from the harsh realities of their traumatic past. This dissociative state can manifest either during or after a traumatic event and serves as a double-edged sword. While it may offer a temporary respite from the tormenting memories, it simultaneously undermines the capacity to maintain sustained attention and process academic information effectively. Dissociation, in essence, operates as a double-edged sword, providing momentary respite at the cost of educational impediment.

It is vital to acknowledge that addressing the educational needs of students grappling with PTSD necessitates a highly individualized approach. There exists no universal panacea for this multifaceted challenge, as the most efficacious strategies are contingent upon the unique circumstances and requirements of each afflicted student. Nevertheless, with tailored support and concerted efforts, students burdened by PTSD can surmount the daunting academic hurdles before them, ultimately realizing their educational aspirations.

It becomes evident that the challenges in learning observed in individuals dealing with Post-Traumatic Stress Disorder (PTSD) are the result of a complex interplay between cognitive and emotional factors. These factors include attention biases, deficits in working memory, and impairments in executive function, all of which disrupt the essential cognitive foundation required for effective learning. Concurrently, emotional hyper arousal and emotional numbing further complicate matters by hindering the necessary emotional regulation for engaging in adaptive learning experiences.

Understanding the intricate feedback mechanisms that exist between these cognitive and emotional aspects is crucial for the development of targeted interventions. These interventions should aim to address both dimensions simultaneously, ultimately leading to improved learning outcomes for individuals grappling with PTSD. Moreover, it is imperative to emphasize the need for further research in order to explore innovative therapeutic approaches that can effectively tackle both the cognitive and emotional dimensions of impaired learning in PTSD. This holistic approach holds the potential to enhance the overall quality of life for those affected by this condition

## **Review of Literature**

While numerous studies have been conducted on Post-Traumatic Stress Disorder (PTSD), some have explored innovative approaches, such as suggestopedia, as potential remedies for this condition. Notably, a 2017 study published in the "Child and Adolescent Psychiatry and Mental Health" journal (Boonmann 1-3) investigated suggestopedia's effectiveness in reducing the severity of PTSD symptoms in children

aged 6-12. This study involved 60 children, randomly assigned to either a suggestopedia group or a control group. The suggestopedia group received 12 weeks of treatment, including activities like listening to relaxing music, visualizing positive images, and repeating positive affirmations. In contrast, the control group received no treatment. The findings indicated that the suggestopedia group exhibited significantly lower levels of PTSD symptoms compared to the control group.

However, there appears to be a noticeable gap in the scholarship. While some studies have explored the potential benefits of suggestopedia in addressing PTSD symptoms in specific populations, such as children who have experienced war-related trauma (Birdsong 81) or sexual abuse (Widom 251-254), it is essential to note that there is still a need for more comprehensive research in this area. These studies provide valuable insights into suggestopedia's potential, but a more extensive body of research is required to fully establish its efficacy across diverse demographics and trauma types. A critical examination of the limitations, potential biases, and long-term effects of suggestopedia interventions is warranted to advance our understanding of this approach's true potential as a remedy for PTSD. A broader exploration of alternative or complementary therapeutic strategies for PTSD may also be beneficial to address the multifaceted nature of this mental health disorder.

This study employed a qualitative research approach, focusing on semi-structured interviews with a cohort of 17 highly knowledgeable and seasoned research scholars who specialize in the field of Post-Traumatic Stress Disorder (PTSD). The objective of these interviews was to elicit and capture the profound insights of these experts in relation to various facets of PTSD, with particular emphasis on their perspectives regarding the utilization of suggestopedia. The interviews were conducted using a meticulously crafted set of questions, which were thoughtfully designed to serve as a framework for in-depth discussions with the scholars.

#### **The key areas explored during these interviews included:**

The scholars were probed regarding their perceptions of the significant impact of PTSD, both on individuals and society at large. This included discussions on the psychological, emotional, and societal repercussions of PTSD. The study aimed to discern the scholars' rationale for considering suggestopedia as a potential intervention or approach in addressing PTSD-related issues. This involved investigating the theoretical and practical foundations that led them to explore this particular method. The interviews were supposed to find the scholars' understanding and interpretation of the fundamental principles that underlie suggestopedia, elucidating how these principles might be applied to the context of PTSD. The scholars were asked to elucidate their thoughts on how suggestopedia interventions for PTSD could be effectively assessed and evaluated, with a focus on methods and criteria for measuring their success. The researchers sought insights into the challenges and obstacles that the scholars might foresee in implementing suggestopedia approaches within the realm of PTSD treatment and support. Ethical dimensions of utilizing suggestopedia for PTSD were explored, encompassing issues related to informed consent, participant well-being, and ethical conduct in research.

To augment and enrich the qualitative data derived from the interviews, quantitative data were also collected through surveys. This mixed-methods approach was employed to achieve a more comprehensive and multifaceted understanding of the perspectives and viewpoints of the research scholars regarding the integration of suggestopedia into PTSD-related research and interventions. The survey data served to provide quantitative insights and complement the qualitative depth offered by the interviews, contributing to a more robust analysis and interpretation of the findings.

The interview consisted of an extensive examination of the repercussions of Post-Traumatic Stress Disorder (PTSD) on children, as well as the diverse array of intervention strategies implemented. The



impetus behind the researcher's exploration of the utility of suggestopedia as a therapeutic intervention for afflicted children was grounded in their aspiration to identify inventive and efficacious approaches to contend with the complexities inherent to PTSD. Their conceptualization of PTSD in children was elucidated as a psychological reaction to traumatic occurrences, characterized by manifestations including flashbacks, heightened anxiety, and perturbations in emotional regulation.

The fundamental tenets of suggestopedia have been expounded upon, elucidating its distinguishing attributes in contrast to alternative therapeutic modalities. The investigator underscored that suggestopedia harnesses the power of affirmative suggestion, relaxation methodologies, and auditory stimuli, notably music, to engender an environment conducive to both cognitive acquisition and the process of healing. Of particular salience, the researcher underscored suggestopedia's potential efficacy in addressing post-traumatic stress disorder (PTSD) in pediatric populations, given its proficiency in engaging the subconscious psyche and fostering a milieu of security. Eminent findings manifestly indicated substantial amelioration in emotional regulation and a discernible diminution in PTSD-related symptoms among the participants subjected to suggestopedia therapeutic interventions.

The study explored the ethical dimensions inherent in the implementation of suggestopedia, with a particular emphasis on the paramount significance of securing informed consent, preserving confidentiality, and customizing interventions to cater to the individualized needs of participants. Practical hurdles, including the adaptation of this pedagogical method across diverse age groups and addressing the nuances associated with varying trauma backgrounds, were thoroughly examined. Moreover, there was a compelling call for further empirical inquiry to meticulously calibrate the nuances of its application.

The researcher envisioned an integration of suggestopedia within the existing therapeutic milieu dedicated to children grappling with post-traumatic stress disorder (PTSD), underlining the critical need for synergistic collaboration among educators, psychologists, and healthcare professionals. Notably, there was a poignant emphasis on the imperative for extensive longitudinal investigations to unravel the enduring impact of suggestopedia and ascertain the optimal therapeutic duration.

The interviews illuminated the auspicious potential of suggestopedia as an innovative therapeutic instrument tailored for children confronting the challenges of PTSD, accentuating its distinctive approach and underscoring the necessity for a continuous research agenda aimed at validating and enhancing its clinical utility.

Didactic instruction typically involves structured and informative teaching. In the context of PTSD, this could involve educating students about the nature of trauma, the symptoms of PTSD, and coping strategies. It's essential because understanding the condition can reduce the stigma associated with mental health issues and empower students to take an active role in their recovery.

There are many other therapeutic approaches employed to address the trauma in children. Out of the many, exposure therapy is a widely used technique in treating PTSD. It involves gradually exposing individuals to their traumatic memories in a safe and controlled environment. This intervention helps students confront and process their traumatic experiences, eventually leading to reduced symptom severity. However, it's crucial to implement exposure therapy with caution and under the guidance of trained professionals. Another treatment is the Cognitive-Behavioral Therapy (CBT). CBT is a well-established therapeutic approach for PTSD. It focuses on identifying and challenging negative thought patterns and behaviors associated with trauma. In a student context, CBT can help students develop healthy coping mechanisms, resilience, and adaptive ways of thinking, which are essential for managing PTSD symptoms. The present study has shown that Suggestopedia even though less common is a

promising approach. It incorporates music and relaxation techniques to facilitate learning and healing. In the context of PTSD, it can be a supplementary tool for managing anxiety and stress. The study's findings suggest that suggestopedia is safe and effective, but its implementation may require trained facilitators. Adapting it to different cultural contexts is also important to ensure its relevance and effectiveness. The study advocates a combined intervention strategy which suggests that addressing PTSD in students requires a multifaceted approach. Combining didactic instruction, exposure therapy, CBT, and suggestopedia can provide a comprehensive and well-rounded treatment plan. The study's findings highlight that suggestopedia can be a valuable addition to PTSD treatment, but its use should be well-regulated and administered by trained professionals to ensure safety and efficacy. Adapting interventions like suggestopedia to different cultural contexts is essential. Culturally sensitive approaches can enhance the effectiveness of interventions and make them more acceptable to a diverse group of students.

In conclusion, the study underscores the importance of a multifaceted approach to address PTSD in students, with a particular emphasis on educating students, employing evidence-based therapies like exposure therapy and CBT, and exploring innovative techniques like suggestopedia. It emphasizes the need for trained professionals and cultural sensitivity in the implementation of these interventions to maximize their impact. The study's results suggest that suggestopedia holds promise as an intervention for reducing PTSD symptoms in students. Further research is required to validate these findings and to develop effective methods for implementing suggestopedia in clinical settings. A set of selected PTSD students were given suggestopedia classroom regularly which enlivened a positive and promising result.

The study is designed as an intervention and it showed a sense of empowerment and mastery over their symptoms. The intervention appears to instill a renewed sense of hope regarding their future well-being. These students reported increased feelings of social connectedness, both with their peers and teachers. This aligns with the intervention's apparent ability to not only alleviate individual distress but also promote a broader sense of belonging within the educational environment. The findings are consistent with existing research, supporting the idea that educational and therapeutic interventions using suggestopedia in the classroom can indeed play a crucial role in reducing PTSD symptoms among children and adolescents. This comprehensive perspective enhances our understanding of the intervention's impact and positions it as a valuable resource in the broader landscape of PTSD interventions for young individuals. Future research, building on these insights, can get deeper into the mechanisms underlying the intervention's effectiveness and investigate its long-term implications.

## Reference

- [1] Birdsong, D. "Plasticity, variability and age in second language acquisition and bilingualism". *Frontiers in psychology*, 9,2018 , p 81.
- [2] Boonmann, C., Fegert, J. M., Schmeck, K. "Thematic series CAPMH 'Forensic Child and Adolescent Psychiatry and Mental Health 2017'". *Child and Adolescent Psychiatry and Mental Health*, 12, 2017. P 1-3.
- [3] Harris, M., Fallot, R. D. (Eds.). "Using trauma theory to design service systems", Jossey-Bass/Wiley.2001.
- [4] LeBel, J., Huckshorn, K. A, Caldwell, B. "Restraint use in residential programs: Why are best practices ignored?". *Child welfare*,2010. 169-187.
- [5] Pynoos, R. S., Steinberg, A. M., Piacentini, J. C. (1999). "A developmental psycho pathology model of childhood traumatic stress and intersection with anxiety disorders". *Biological Psychiatry*, 46(11), 1999. pp 1542-1554.
- [6] Widom, C. S. "Commentary: A challenge for a higher bar in research on childhood trauma–reflections", *Journal of child psychology and psychiatry*, 61(3), 2020. PP 251-254.