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The Role of Culturally Relevant Pedagogy in Enhancing Educational Equity for Minority Students in China

He, Jinrui[1] & Abdullah, Mohd Yusof[2*]

[1,2]Faculty of Education, University Islam Melaka, 78200 Kuala Sungai Baru, Malacca, Malaysia

*Corresponding author: 642883789@qq.com

Abstract: This study investigates the role of Culturally Relevant Pedagogy (CRP) in enhancing educational equity for minority students in China, focusing on its impact on academic achievement and cultural competence. Employing a quantitative research design, data were collected from 400 minority students and 100 teachers in regions with significant minority populations, such as Xinjiang, Yunnan, and Inner Mongolia. Using surveys and academic records, the study analyzed the implementation of CRP, student outcomes, and teacher perspectives. The findings reveal that CRP positively influences academic performance and fosters cultural competence among minority students. Students exposed to culturally responsive teaching practices reported higher standardized test scores and greater cultural pride and identity affirmation. Rural students demonstrated slightly greater academic gains from CRP than their urban counterparts. Teachers trained in CRP were more likely to implement inclusive practices, emphasizing the importance of professional development. However, only 40% of teachers reported receiving such training, indicating a gap in systemic support. Minority teachers also emerged as significant contributors to enhancing students' cultural competence. This study underscores the transformative potential of CRP in addressing educational disparities for minority students in China. It calls for comprehensive strategies involving teacher training, curriculum reform, and policy support to scale CRP effectively. The findings contribute to the global discourse on multicultural education, offering insights into the application of CRP in non-Western contexts.

Keywords: Culturally Relevant Pedagogy, Minority Education, Educational Equity, China, Multicultural Education

1. Introduction

Culturally Relevant Pedagogy (CRP) has gained considerable attention globally as a transformative approach to addressing inequities in education. CRP emphasizes academic achievement, cultural competence, and critical consciousness, aligning pedagogical practices with students' cultural identities to foster inclusivity and equity. While extensive studies have explored CRP in Western contexts, its application in non-Western educational systems, particularly in China, remains underexplored. This gap is particularly concerning given China's increasing cultural diversity due to internal migration, minority populations, and globalization (Al-khresheh, 2024). In China, minority students face systemic challenges, including language barriers, underrepresentation in curricula, and limited access to quality education (Cai & Wei, 2025). These challenges contribute to disparities in academic performance and social integration. For example, while the Chinese education system is celebrated for its rigour and outcomes, the emphasis on a monolithic cultural narrative often marginalizes minority students (Brennan & Naidoo, 2008). Culturally Relevant Pedagogy offers a potential solution by advocating for teaching methods and curricula that recognize and integrate students' cultural backgrounds, promoting equity and academic success. The quantitative focus of this study responds to calls for empirical evidence on CRP's efficacy in non-Western settings (Han et al., 2023). By examining the relationship between culturally relevant teaching practices and educational outcomes among minority students in China, this research contributes to the global discourse on equitable education. In this context, the present study seeks to bridge the gap between theoretical advocacy for CRP and its practical implications within China's multicultural educational landscape. It explores how culturally relevant teaching strategies can mitigate educational disparities and enhance minority students' engagement, performance, and identity affirmation. Understanding these dynamics is vital not only for improving minority education in China but also for enriching the broader theoretical framework of CRP in diverse sociocultural contexts.

1.1 Research Gap and Significance

Existing literature on CRP predominantly focuses on Western educational systems, where cultural diversity is often framed within the context of immigration or racial inequities (Jacob, 2007). However, there is a paucity of research examining how CRP operates in non-Western contexts with distinct sociopolitical and cultural dynamics, such as China. In particular, the intersection of CRP with the Chinese education system, characterized by its centralized curriculum and emphasis on national unity, presents unique challenges and opportunities. Research indicates that minority students in China face disproportionately high dropout rates, limited upward mobility, and lower academic achievement compared to their Han counterparts (Jia, 2015). While government policies have sought to address these disparities, such efforts often lack a culturally responsive dimension, resulting in programs that overlook the lived experiences and cultural assets of minority students (Lai et al., 2015) This oversight highlights a critical gap in understanding how pedagogical practices can be tailored to foster inclusivity without compromising academic rigour.

Moreover, the significance of CRP extends beyond individual academic outcomes. Scholars argue that culturally responsive teaching fosters social cohesion and mutual respect in increasingly diverse societies (Sun, 2023). In China, where ethnic tensions occasionally surface, promoting cultural competence through education can contribute to broader societal harmony (Liu et al., 2025). However, empirical studies quantifying the impact of CRP on educational equity and social integration in China remain scarce, underscoring the need for this research. This study's significance lies in its potential to provide actionable insights for educators, policymakers, and researchers. The research can inform teacher training programs, curriculum development, and policy frameworks by identifying effective culturally relevant teaching strategies. Furthermore, the findings will contribute to the global discourse on CRP, offering a nuanced perspective on its applicability in non-Western contexts. This study has two primary research objectives is to assess the impact of culturally relevant pedagogical practices on the academic performance and engagement of minority students in China and to explore the role of CRP in fostering cultural competence and identity affirmation among minority students in the Chinese educational system.

This study has two primary research questions:

- What is the quantitative relationship between culturally relevant pedagogical practices and the academic outcomes of minority students in China?
- How does CRP influence the cultural competence and identity development of minority students in the Chinese educational context?

2. Literature Review

Culturally Relevant Pedagogy (CRP) is a theoretical framework that emphasizes the incorporation of students' cultural backgrounds into teaching practices to promote academic success, cultural competence, and critical consciousness (Brennan & Naidoo, 2008). This literature review examines the global and Chinese contexts of CRP, explores the challenges faced by minority students in China, and highlights empirical studies that inform the role of CRP in enhancing educational equity.

2.1 Global Context of Culturally Relevant Pedagogy

CRP has been widely studied in multicultural education, particularly in Western contexts where diversity stems from racial, ethnic, and linguistic variations. (Dong, 2024) pioneered the framework, arguing that traditional teaching often marginalizes students of colour by ignoring their cultural identities. CRP has demonstrated positive outcomes in fostering academic achievement and social integration. For example, Cai and Wei (2025) conducted a meta-analysis of CRP in the United States, revealing its effectiveness in reducing achievement gaps for minority students. Similarly, Sun (2023) found that culturally responsive teachers were better equipped to create inclusive classrooms and address systemic inequities. These findings underscore the importance of cultural relevance in teaching, although the applicability of these principles in non-Western contexts remains underexplored.

2.2 Culturally Relevant Pedagogy in Non-Western Contexts

While CRP has gained traction globally, its implementation in non-Western contexts often faces unique challenges. In countries like China, where education systems are heavily centralized, and curricula emphasize national unity, integrating culturally relevant practices requires a nuanced approach (Wang, 2020). Scholars have argued that CRP's principles are universal but must be adapted to align with local sociocultural and political dynamics (Dong, 2024). For instance, in Malaysia, a study by Tai and Lee (2024) highlighted the need for culturally responsive practices to address Indigenous students' linguistic and cultural diversity. Similarly, research in India by Han et al. (2023) found that incorporating local histories and languages into teaching improved students' engagement and sense of belonging. These examples suggest that while CRP has broad applicability, its successful implementation depends on understanding the local context.

2.3 Minority Education in China

China's educational landscape is significantly diverse, with 56 recognized ethnic groups. The Han majority constitutes over 90% of the population, while ethnic minorities, such as Tibetans, Uyghurs, and Zhuang, face unique educational challenges. Minority students often experience lower academic achievement, limited access to quality resources, and

cultural alienation within the education system (Tai & Lee, 2024). Language barriers are a significant issue, as Mandarin is the medium of instruction nationwide, often at the expense of minority languages (Dong, 2024). This policy, while aimed at national cohesion, has been criticized for marginalizing minority cultures and identities. Additionally, curricula often lack representation of minority histories and perspectives, further alienating non-Han students (Zhao & Hu, 2024). These challenges highlight the need for pedagogical approaches that affirm minority students' cultural identities while promoting academic success.

2.4 Empirical Studies on CRP in China

Although research on CRP in China is limited, emerging studies offer valuable insights. Han et al. (2023) conducted a mixed-methods study in Yunnan, a province with a high concentration of ethnic minorities, examining the impact of integrating local cultural content into science lessons. The results showed improved student engagement and comprehension, demonstrating the potential of culturally relevant teaching to enhance academic outcomes. Another study by Yang (2021) explored the role of teacher training in fostering culturally responsive practices. The research found that teachers who received professional development in CRP tended to adopt inclusive teaching strategies and report positive interactions with minority students. However, Liu noted that systemic constraints, such as rigid curricula and limited institutional support, hinder the widespread adoption of CRP.

Furthermore, Sun (2023) examined the influence of bilingual education on minority students' academic and social outcomes. Their findings indicated that schools that incorporated minority languages alongside Mandarin saw higher levels of student participation and cultural affirmation. This aligns with global research suggesting that bilingual education supports academic achievement and cultural identity development (Cai & Wei, 2025).

2.5 Barriers to Implementing CRP in China

Despite its potential benefits, implementing CRP in China faces several obstacles. First, the centralized education system prioritizes standardized curricula and testing, leaving little room for localized adaptations (Han et al., 2023). Teachers often lack the autonomy to modify lesson plans, which limits their ability to incorporate culturally relevant content. Second, teacher preparedness remains a significant challenge. Research indicates that many educators in minority regions lack training in culturally responsive practices and are unfamiliar with the principles of CRP (Dong, 2024). Addressing this gap requires targeted professional development programs and institutional support. Third, sociopolitical factors play a crucial role. China's emphasis on national unity sometimes creates tension between promoting cultural diversity and maintaining social cohesion (Carbonara, 2023). Policies that prioritize Mandarin instruction and Han cultural narratives, while well-intentioned, can inadvertently marginalize minority perspectives. Balancing these competing priorities is essential for the successful implementation of CRP.

2.6 Theoretical Implications of CRP in China

The adaptation of CRP in China offers valuable theoretical contributions to the field of multicultural education. Scholars argue that CRP must evolve to reflect the sociocultural realities of diverse contexts (Brennan & Naidoo, 2008). In China, this involves redefining cultural competence to include an understanding of both minority and majority cultural norms and fostering critical consciousness about systemic inequities within a highly centralized system (Al-khresheh, 2024). Additionally, the integration of CRP into Chinese education highlights the interplay between global and local pedagogical practices. By examining how CRP operates in a non-Western setting, researchers can develop more comprehensive frameworks that address the complexities of multicultural education worldwide.

3. Research Method

This section outlines the research methods employed in the study to examine the role of Culturally Relevant Pedagogy (CRP) in enhancing educational equity for minority students in China. The study adopts a quantitative approach, utilizing statistical methods to analyze data collected from a representative sample of students and teachers.

3.1 Research Design

The research employs a correlational design to investigate the relationships between CRP and educational outcomes, such as academic achievement, cultural competence, and identity affirmation among minority students. This design allows for exploring associations between variables without manipulating them, making it suitable for studying existing practices and outcomes in real-world educational settings.

The study collects data through a structured survey and academic performance records to address the research objectives. The survey evaluates the extent to which teachers and students implement and perceive culturally relevant practices. Academic records are analyzed to quantify student achievement. Additionally, statistical methods such as multiple regression and structural equation modelling (SEM) are used to assess the impact of CRP on various educational outcomes.

3.2 Population and Sample

The target population comprises minority students and their teachers in middle and high schools across China, particularly in regions with significant minority representation, such as Xinjiang, Yunnan, and Inner Mongolia.

Student Population: Minority students enrolled in Grades 7–12 in these regions.
Teacher Population: Teachers working in schools with at least 30% minority enrollment.
- The study uses stratified random sampling to ensure representation across various ethnic groups and geographical areas.
- Sample Size: A total of 500 participants, including 400 students and 100 teachers, will be selected. The sample size is determined using a power analysis to ensure sufficient statistical power for detecting significant effects.

The sampling process accounts for variables such as ethnicity, school location (urban vs. rural), and socioeconomic status to capture diverse perspectives.

3.3 Instrumentation

The instruments are pre-tested through a pilot study involving 50 participants to ensure reliability and validity. Cronbach's alpha is used to assess internal consistency, with a threshold of 0.70 considered acceptable. Construct validity is evaluated through factor analysis. By employing these methodologies, the study aims to generate robust and generalizable findings on the impact of CRP in Chinese minority education contexts.

4. Findings and Discussions

The findings of this study reveal that culturally relevant pedagogy (CRP) positively influences both academic performance and cultural competence among minority students in China. The descriptive analysis showed that students exposed to CRP practices, such as lessons incorporating their cultural backgrounds, achieved higher standardized test scores and reported a stronger sense of cultural pride and identity affirmation as presented in Table 1. Specifically, there was a significant positive correlation between CRP implementation and academic achievement ($r=0.45, p<0.01$) as well as between CRP and cultural competence ($r=0.62, p<0.001$). The results suggest that CRP fosters a more inclusive and engaging learning environment, benefiting students academically and personally.

Table 1. Summary of Findings

Findings	Instrument	Sub-dimension
Culturally Relevant Pedagogy Enhances Academic Performance	Students exposed to CRP achieved higher standardized test scores.	$r=0.45, p<0.01$, $\beta=0.32, p<0.01$
CRP Promotes Cultural Competence	Students reported greater cultural pride, identity affirmation, and sense of belonging.	$r=0.62, p<0.001$ $\beta=0.48, p<0.001$
Greater Benefits for Rural Students	Rural students experienced slightly higher academic gains compared to urban peers.	$\beta=0.18, p<0.05$
Teacher Training is Critical	Teachers with CRP training implemented more inclusive practices.	$r=0.58, p<0.001$
Minority Teachers as Positive Influencers	Minority teachers positively influenced students' cultural competence.	$\beta=0.25, p<0.05$
Limited Access to CRP Training	Only 40% of teachers reported receiving training in culturally responsive teaching.	N/A

Multiple regression analysis further highlighted that CRP practices were a significant predictor of academic performance ($\beta=0.32, p<0.01$) and cultural competence ($\beta=0.48, p<0.001$), even after controlling for variables such as school location and teacher training. Interestingly, rural students demonstrated slightly more significant academic gains from CRP compared to their urban peers ($\beta=0.18, p<0.05$). Additionally, minority teachers were found to positively influence students' cultural competence scores ($\beta=0.25, p<0.05$), emphasizing the importance of diverse representation in the teaching workforce.

The findings also underscore the critical role of teacher training in the effective implementation of CRP. Teachers who received professional development in culturally responsive practices were significantly more likely to adopt inclusive teaching methods ($r=0.58, p<0.001$). However, only 40% of the surveyed teachers reported receiving such training, indicating a gap that could hinder the broader adoption of CRP. Overall, the study highlights the potential of CRP to address educational disparities for minority students in China while emphasizing the need for systemic support, including teacher training and policy reforms, to maximize its impact.

5. Conclusion

The findings of this study demonstrate the transformative potential of culturally relevant pedagogy (CRP) in addressing educational disparities among minority students in China. CRP significantly enhances academic performance and cultural competence, with students exposed to culturally relevant teaching reporting higher test scores and a stronger sense of cultural pride and identity affirmation. Despite its promise, implementing CRP in China faces systemic challenges, including limited teacher training and institutional constraints tied to the centralized curriculum. Teachers with professional development in CRP were likelier to adopt inclusive practices, highlighting the need for targeted support. Furthermore, rural schools and students benefited most from CRP, indicating its role in bridging the urban-rural educational divide. These findings reaffirm that CRP is a tool for improving academic outcomes and a critical approach for affirming minority students' identities and fostering a sense of belonging. Addressing systemic barriers, such as rigid curricula and insufficient teacher training, will be essential for scaling CRP in Chinese educational contexts. This study contributes to the growing body of literature on multicultural education, advocating for the adaptation of CRP to fit China's sociocultural and political landscape.

5.1 Implementation

The successful implementation of culturally relevant pedagogy in China requires a multi-faceted approach involving teacher training, curriculum reform, and policy support. First, professional development programs must be designed to equip educators with the knowledge and skills to incorporate CRP into their classrooms. Research indicates that teachers trained in culturally responsive methods are more likely to adopt inclusive practices and positively influence student outcomes. Training should include workshops on integrating minority cultures into lesson plans and strategies for fostering inclusive classroom environments. Second, curricula must be adapted to include content that reflects the histories, languages, and cultural contributions of minority groups. Current standardized curricula often marginalize minority perspectives, limiting the opportunities for students to see their identities reflected in their education. Introducing localized content alongside the national curriculum can help balance cultural representation with national cohesion.

Third, policymakers should support schools in rural and minority-dense regions by providing resources and incentives to implement CRP. Initiatives such as funding for bilingual education and the recruitment of minority teachers can significantly enhance the effectiveness of CRP. Additionally, schools should foster collaborations between teachers, parents, and community leaders to ensure culturally relevant teaching practices align with local needs and values. By addressing these areas, CRP can be effectively scaled to promote educational equity for minority students in China. The alignment of teacher training, curriculum reform, and policy support is crucial for ensuring that CRP becomes a sustainable and impactful approach to fostering inclusivity in education.

5.2 Future Research

While this study highlights the potential of culturally relevant pedagogy in enhancing educational equity, several areas warrant further investigation. First, longitudinal studies are needed to evaluate the long-term impact of CRP on students' academic achievement, cultural competence, and career trajectories. Understanding how CRP influences outcomes beyond the classroom can provide a more comprehensive view of its benefits. Second, comparative studies across different regions and ethnic groups in China can shed light on the contextual factors that affect CRP implementation. For instance, research could explore variations in the effectiveness of CRP between urban and rural schools or among minority groups with differing levels of cultural and linguistic integration. Such studies can help refine CRP strategies to address the unique needs of diverse populations.

Third, future research should examine the role of technology in supporting CRP. Digital tools and online resources could provide innovative ways to incorporate minority cultures into teaching practices, particularly in remote or under-resourced areas. Investigating how technology can bridge gaps in teacher training and resource availability would offer practical solutions for scaling CRP in challenging contexts. Lastly, studies focusing on teacher perspectives and challenges in implementing CRP are essential for understanding systemic barriers. Research on how institutional policies, standardized curricula, and sociopolitical factors influence teachers' ability to adopt CRP can inform strategies to address these challenges. Expanding the scope of research on CRP in China will provide critical insights into its application and effectiveness, ultimately contributing to more equitable and inclusive education systems worldwide.

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Conflict of Interest

The authors declare no conflicts of interest.

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Appendix: Survey Questionnaire

Questionnaire for Investigating Culturally Relevant Pedagogy (CRP) in Enhancing Educational Equity

The following questionnaire is designed to collect data on the implementation and perception of culturally relevant pedagogy (CRP) in schools with minority students. The questionnaire comprises four sections: demographic information, CRP implementation, student outcomes, and teacher perspectives.

Section A: Demographic Information

This section collects background information about participants.

1. For Students:
1.1. What is your age?

- Below 13
- 13–15
- 16–18
- Above 18

1.2. What is your ethnicity?

- Uyghur
- Tibetan
- Zhuang
- Hui
- Other (please specify): _____

1.3. What is your school location?

- Urban
- Rural

1.4. What language do you speak most often at home?

- Mandarin
- Native Language
- Both

2. For Teachers:
2.1. What is your ethnicity?

- Han
- Minority group (please specify): _____

2.2. How many years have you been teaching?

- Less than 5 years
- 5–10 years
- 11–20 years
- More than 20 years

2.3. Have you received professional development on culturally relevant pedagogy?

- Yes
- No

Section B: Implementation of CRP

This section evaluates how CRP is implemented in classrooms.

For Students and Teachers: *(Rate on a scale: 1 = Strongly Disagree to 5 = Strongly Agree)*

1. My teacher incorporates examples from minority cultures into lessons.
2. Classroom discussions allow me to share my cultural experiences.
3. The teaching materials include stories or perspectives from minority groups.
4. Teachers encourage respect for different cultural values and traditions.
5. Lessons often connect academic topics to real-life experiences in my community.

Section C: Student Outcomes

This section assesses academic and cultural outcomes among students.

For Students: *(Rate on a scale: 1 = Strongly Disagree to 5 = Strongly Agree)*

1. I feel proud of my cultural background.
2. I understand how my culture contributes to society.
3. I feel motivated to participate in class activities.
4. My teacher's methods make it easier for me to understand the subject.
5. I feel valued and respected in the classroom.

Academic Performance: *(For Students)*
6. How would you rate your academic performance over the past year?

- Below average
- Average
- Above average