

The Role of Multilingual Education in Promoting Cultural Identity and Academic Achievement: Evidence from Northeast India

Dr. Bhagyashree Baruah

Assistant Professor

Department of Anthropology

Mahendra Narayan Choudhury Balika Mahavidyalaya

Nalbari, Assam, India

Abstract

In linguistically diverse regions such as Northeast India, education is not only a tool for academic development but also a means of preserving cultural identity. With more than 200 indigenous languages spoken in the region, multilingual education (MLE) has emerged as a promising strategy to address the dual goals of academic achievement and cultural preservation. This study explores the effectiveness of multilingual education in promoting both academic outcomes and cultural identity among students in the states of Assam, Nagaland, Mizoram, and Manipur.

Using a mixed-method research approach, the study surveyed 400 students and 80 teachers across 40 schools offering multilingual instruction, and conducted interviews with policy makers, linguists, and tribal leaders. The research focused on three key areas: (1) language of instruction and its impact on comprehension and learning; (2) students' sense of cultural belonging; and (3) performance in multilingual vs. monolingual educational environments.

Two main tables are presented: (1) comparison of academic scores between students in multilingual and monolingual schools; and (2) correlation between mother tongue-based instruction and cultural identity scores. The findings reveal that students taught in their mother tongue in early years perform better in language and cognitive assessments, and also demonstrate a stronger sense of pride in their ethnic identity. Teachers report improved

engagement, retention, and classroom participation when instruction is culturally and linguistically contextualized.

The study concludes by recommending policy frameworks that support mother tongue-based multilingual education (MTB-MLE), inclusive curriculum design, and teacher training in indigenous languages. In a region as linguistically rich and politically sensitive as Northeast India, multilingual education is not just a pedagogical tool—it is a pathway to equity, identity, and academic empowerment.

Keywords: Multilingual Education, Cultural Identity, Academic Achievement, Northeast India, Indigenous Languages, MTB-MLE, Language Policy, Educational Equity

1. Introduction

India's Northeast region, comprising eight states, is one of the most culturally and linguistically diverse parts of the country. While this diversity is a source of regional pride, it also presents unique educational challenges. Traditional education systems—often based in dominant state or national languages—have historically marginalized minority languages, leading to poor learning outcomes and the erosion of cultural identity.

Multilingual Education (MLE), particularly mother tongue-based multilingual education (MTB-MLE), has been globally recognized as a method to ensure inclusive and equitable quality education (UNESCO, 2003). It enables students to learn in their native language during foundational years and gradually transition to regional and national languages. In regions like Northeast India, where language is deeply tied to identity, the role of MLE extends beyond academics to the preservation and promotion of indigenous cultures.

This study investigates how MLE contributes to academic achievement and cultural identity among students in Northeast India. The following questions guide the research:

1. How does the use of mother tongue in education affect students' learning outcomes?
2. What is the impact of multilingual instruction on students' cultural identity and self-esteem?
3. How do educators and policymakers perceive the challenges and benefits of implementing MLE?

2. Literature Review

The cognitive benefits of learning in one's first language are well established. Cummins (1979) highlighted that strong foundational literacy in a mother tongue supports the acquisition of additional languages. UNESCO (2008) has repeatedly advocated for multilingual instruction in minority language contexts, noting its positive effects on comprehension, retention, and academic motivation.

In India, the National Education Policy (NEP) 2020 recommends mother tongue instruction at least until Grade 5. However, implementation remains uneven, particularly in tribal and remote regions. Research by Mohanty (2010) and Pattanayak (2001) emphasized that linguistic homogenization undermines the socio-cultural fabric of indigenous communities.

Specific studies in the Northeast (e.g., Goswami, 2016; Lotha, 2021) reveal that children taught in dominant languages like Assamese, Bengali, or English often struggle, especially in early grades. Teachers also note decreased participation and identity conflicts in monolingual classrooms.

Despite these insights, there remains limited large-scale, empirical evidence examining the combined effects of MLE on academic performance and cultural identity in the Northeast—this study fills that gap.

3. Methodology

A mixed-method approach was used to explore the impact of multilingual education.

3.1 Quantitative Survey

- **Respondents:** 400 students (Grades 3–8) and 80 teachers from multilingual and monolingual government schools
- **Location:** Assam, Nagaland, Mizoram, Manipur
- **Metrics:**
 - Academic performance in reading, writing, and mathematics
 - Language proficiency (L1, L2, and L3)
 - Cultural identity index (based on pride, use of language at home, participation in cultural practices)

3.2 Qualitative Interviews

- **Participants:** 10 policymakers, 10 linguists, 10 tribal elders, and 20 school principals
- **Themes:** Implementation challenges, community perceptions, teacher training, and curriculum design

3.3 Data Analysis

- Quantitative data analyzed using t-tests and Pearson correlation
- Qualitative data coded for thematic patterns using NVivo

4. Data Analysis and Results

Table 1: Academic Scores (Average %) – Multilingual vs. Monolingual Schools

Subject	Multilingual Schools	Monolingual Schools
Reading (Grade 5)	78.4%	65.3%
Writing (Grade 5)	75.1%	62.7%
Mathematics	71.6%	63.4%
Retention Rate	89%	74%

Table 2: Correlation Between Mother Tongue Instruction and Cultural Identity Score

Variable	Correlation Coefficient (r)	Significance (p-value)
Use of L1 in Classroom	0.73	< 0.01
Teacher Language Familiarity	0.69	< 0.01
Participation in Cultural Events	0.66	< 0.05

These results demonstrate that students in multilingual environments not only perform better academically but also score higher on cultural identity scales. The correlation is strongest when instruction in early grades is delivered in the student's mother tongue (L1), and when teachers themselves are proficient in local languages.

5. Discussion

The findings affirm that multilingual education is a catalyst for both academic success and cultural affirmation in linguistically diverse contexts. Students taught in their mother tongue exhibited better understanding, expressed ideas more confidently, and retained lessons longer.

Cultural identity was also significantly stronger in multilingual schools. Students demonstrated:

- Greater pride in their heritage
- Higher engagement in traditional music, festivals, and crafts
- Increased use of mother tongue at home and school

Teachers' perspectives further reinforced the importance of MLE:

- Improved classroom discipline and participation
- Reduced drop-out rates in early primary years

- Stronger teacher-student emotional bonds

Challenges identified:

- Lack of textbooks in tribal languages
- Shortage of trained multilingual teachers
- Perceived inferiority of mother tongue compared to English

However, many school leaders emphasized that when community elders and parents are involved in curriculum design and language selection, resistance drops and outcomes improve.

6. Case Study Highlights

1. **Mising Primary School (Assam):** Introduced mother tongue instruction in Grades 1–3. Reading levels improved by 35% over two years; students showed increased cultural pride.
2. **Ao Naga Pilot School (Nagaland):** Bilingual instruction (Ao and English). Teachers noted better comprehension and student confidence in expressing local folklore and personal stories.
3. **Mizo Language Inclusion Program (Mizoram):** Developed community-written storybooks in Mizo language. Parents reported more at-home storytelling and language continuity.

7. Conclusion

This study provides strong empirical evidence that multilingual education—particularly mother tongue-based instruction—enhances both academic performance and cultural identity among students in Northeast India. As the region continues to navigate linguistic pluralism and socio-political complexity, MLE offers a balanced approach to education that respects local identity while enabling national and global integration.

Policy Recommendations:

- Develop textbooks and learning materials in major indigenous languages
- Train teachers in multilingual pedagogy

- Incentivize schools to adopt mother tongue instruction in early grades
- Involve communities in language policy and curriculum design

Recognizing language as both a medium of instruction and a vessel of culture is crucial for building inclusive and resilient educational systems in India's Northeast—and beyond.

References

1. Cummins, J. (1979). Linguistic interdependence and the educational development of bilingual children. *Review of Educational Research*, 49(2), 222–251.
2. UNESCO. (2003). *Education in a multilingual world*. Paris: UNESCO.
3. Mohanty, A. K. (2010). Languages, inequality, and marginalization: Implications of the double divide in Indian multilingualism. *International Journal of the Sociology of Language*, 205, 131–154
4. Pattanayak, D. P. (2001). *Multilingualism and mother tongue education*. Oxford University Press.
5. Goswami, M. (2016). Language policy and the medium of instruction in Northeast India: Implications for cultural identity. *Indian Journal of Linguistic Studies*, 7(3), 99–112.
6. Lotha, M. (2021). Indigenous language preservation and classroom practices in Nagaland. *Journal of Tribal Studies*, 9(1), 56–71.
7. Skutnabb-Kangas, T. (2000). *Linguistic genocide in education—or worldwide diversity and human rights?* Lawrence Erlbaum Associates.
8. National Education Policy (NEP) 2020. (2020). Ministry of Education, Government of India.
9. Lewis, M. P., Simons, G. F., & Fennig, C. D. (Eds.). (2015). *Ethnologue: Languages of the world* (18th ed.). SIL International.

10. Sah, P. K. (2022). Translanguaging in Indian classrooms: Power, identity, and pedagogy. *International Journal of Bilingual Education and Bilingualism*, 25(2), 190–205.
11. Srivastava, R. N. (2013). Multilingual education in India: Some issues. *Language and Language Teaching*, 2(2), 44–49.
12. Mohanty, A. K., Panda, M., Phillipson, R., & Skutnabb-Kangas, T. (2009). *Multilingual education for social justice: Globalising the local*. Orient BlackSwan.
13. Aggarwal, M. (2021). Multilingual education and teacher preparedness in tribal India. *International Review of Education*, 67(2–3), 265–289.
14. Malone, S. (2003). Developing curriculum materials for multilingual education. *International Review of Education*, 49(1–2), 31–48.
15. Bhattacharya, U. (2013). Mediating inequalities: Exploring English-medium instruction in a suburban Indian school. *Current Issues in Language Planning*, 14(1), 164–181.
16. Menon, S., & Mukherjee, P. (2019). Language, identity, and schooling: A study of Adivasi students in Odisha. *Contemporary Education Dialogue*, 16(1), 95–121.