



## **Relationship Between Language and Education**

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### **Abstract**

Language is essential to education because it facilitates communication, instruction, and cognitive growth. It has an impact on students' comprehension, critical thinking, and academic performance. Language policies are essential in determining educational fairness in multilingual cultures. According to many researches, early childhood education that is grounded in the mother tongue promotes improved cognitive development and conceptual understanding. Although it necessitates qualified educators, suitable resources, and encouraging regulations, multilingual education fosters cultural identification and inclusivity. Higher dropout rates result from academic challenges experienced by students who have trouble understanding the language of instruction. Education systems must encourage multilingual education, establish inclusive language policies, and provide teachers with the tools they need to handle linguistic variety in order to address this. Fostering fair, efficient, and culturally sensitive learning settings that support lifelong learning and social advancement requires an understanding of the close connection between language and education.

**Keywords:** Language, Education, Cognitive Development, Multilingualism, Language Policy, Mother Tongue, Academic Performance, Inclusive Learning, Language policies

### **1. INTRODUCTION**

Language is an essential part of holistic education and helps pupils develop their social, cognitive, and analytical abilities in addition to being a medium for communication (Wells, G. (1999). Students' capacity to interact with learning materials, communicate with teachers and peers, and develop critical thinking skills all of which are necessary for creativity and problem solving is impacted by their language competency (Norton, B., & Toohey, K. (2011).

Language and education have a complicated and nuanced relationship. Learning outcomes, cognitive growth, and general academic success are all impacted by language (Lou, N. M., & Noels, K. A. (2019). To encourage inclusivity and equitable access to education, educational institutions must address linguistic diversity. The efficacy of educational systems around the world is greatly influenced by language policies and pedagogical practices (Nunan, D. (2003). Regardless of a student's linguistic background, multilingual education practices can help close language gaps, improving understanding and knowledge retention while guaranteeing fair access to educational materials.

### **2. ROLE OF LANGUAGE IN LEARNING AND COGNITIVE DEVELOPMENT**

#### **2.1 Language as a Medium of Instruction**

In educational contexts, language is the main teaching medium and acts as a link between understanding and knowledge. The language used in instruction has a substantial influence on students' comprehension of concepts, influencing both short-term and long-term retention (Custers, E. J. (2010). Students' capacity to take in and process information is enhanced when instruction is given in a language they are fluent in, which boosts academic achievement and makes learning more enjoyable. Students may find it difficult to understand and interpret material if they are taught in a language they are unfamiliar with, which could cause them to get frustrated and disengaged. Learning in one's native tongue also improves cognitive flexibility, enabling students to connect new ideas to what they already know and draw from past experiences. Thus, using a language that is widely understood in the classroom is essential to ensuring that students get the most out of their education and to building a solid basis for intellectual development and lifelong learning (Burns, R. (2020).

#### **2.2 Impact on Comprehension and Critical Thinking**

Students' capacity for critical thinking and problem-solving is directly impacted by their level of language proficiency. Strong linguistic proficiency improves analytical abilities, reading comprehension, and the capacity to formulate well-supported arguments. Students who are fluent in a language are better able to comprehend texts, draw out essential details, and combine



concepts to create original viewpoints (Kintsch, W. (1994). They are able to effectively express their thinking, assess the facts, and challenge presumptions thanks to this proficiency. Language difficulties, on the other hand, can make it difficult for pupils to comprehend and interact with difficult concepts. Students who have comprehension issues may find it challenging to understand abstract ideas, follow scholarly discussions, and participate actively in debates. Instead of actively participating in the learning process, this restriction may lead to passive learning, in which students memorize facts without really comprehending them. Language proficiency promotes interdisciplinary learning, which enables students to make connections between concepts from various courses and broaden their perspective on the world. Problem-solving and creativity depend heavily on the capacity to formulate queries, spot trends, and formulate reasoned arguments. Students with poor language skills, on the other hand, could find it difficult to articulate their ideas clearly, which could result in miscommunications and a lack of confidence in their academic skills. McLean, P., & Ransom, L. (2007).

### **2.3 Language Proficiency and Academic Performance**

Numerous studies have repeatedly shown a strong relationship between language competency and academic success. Language provides the cornerstone for learning, allowing children to understand difficult topics, convey ideas effectively, and participate meaningfully in classroom discussions (SWARGIARY, K. (2024). Students who develop good reading skills in their native language frequently perform better in all areas because their cognitive capacities and critical thinking skills are strengthened. A strong command of one's first language promotes overall cognitive growth, making it simpler to learn other languages and adapt to new learning situations. On the other side, pupils who struggle with the language of teaching frequently encounter major academic difficulties. Language barriers can impair their ability to comprehend classes, grasp crucial concepts, and finish tasks successfully. This can result in dissatisfaction, disengagement, and, eventually, lower academic achievement. Farrington, C. A., Roderick, M., Allensworth, E., Nagaoka, J., Keyes, T. S., Johnson, D. W., & Beechum, N. O. (2012). Limited language skills might pose extra challenges to performance in courses such as mathematics, physics, and social studies, which require complex terminology and abstract reasoning. To meet these issues, educational institutions have devised a variety of language development programs and bilingual education approaches. These approaches offer linguistic support while also encouraging cognitive development and adaptation. Bilingual education, for example, allows children to study in both their home language and the language of instruction, which helps them transition and improves comprehension. Namugenyi, D. K. K. (2018).

## **3. LANGUAGE POLICIES IN EDUCATION**

### **3.1 Role of Language Policies in Shaping Learning Outcomes**

Language policy in education influence curriculum design and the medium of instruction, both of which have a significant impact on learning. Well-planned policies encourage inclusion, ensuring that students from various language origins have equal opportunity. When language policies promote linguistic diversity, they improve understanding and academic performance. However, poorly planned programs can exacerbate educational inequality, particularly among linguistic minorities Tollefson, J. W., & Tsui, A. B. (2014). If students are taught in a language in which they are not fluent, they may struggle to understand the lessons, resulting in worse performance and increased dropout rates. Education systems that follow inclusive language rules can promote equity, improve learning outcomes, and support cultural and economic progress Tollefson, J. W., & Tsui, A. B. (2014).

### **3.2 Dominant vs. Indigenous Languages in Education**

Many countries use dominant languages like English, French, or Spanish as their medium of teaching, frequently at the detriment of indigenous languages. While this method may boost global competitiveness, it may also marginalize native speakers of local languages and local languages in education is critical for conserving linguistic history while providing contribute to the loss of cultural identity Mufwene, S. (2002). Striking a balance between global



students with the skills they need to succeed in a globalized environment.

### **3.3 Challenges of Language Policy Implementation**

Implementing language policies presents problems such as limited resources, stakeholder resistance, and the requirement for teacher training. Policymakers must strike a balance between linguistic inclusion and practical factors to guarantee effective implementation. Adequate finance, community participation, and teacher capacity-building initiatives are required to overcome these obstacles and construct long-term language-inclusive education models Trudell, B., Piper, B., & Ralaingita, W. (2023).

## **4. MULTILINGUALISM AND EDUCATIONAL EQUITY**

### **4.1 Benefits of Mother Tongue-Based Education (MTB-MLE)**

Mother tongue-based multilingual education (MTB-MLE) has been shown to be extremely beneficial in terms of understanding, cognitive development, and overall academic achievement. According to researches, students understand concepts better when taught in their native language, particularly in the early years of school. MTB-MLE not only increases literacy development, but also facilitates the transfer to second and third languages. Students who initially learn to read and write in their native language are better able to transfer these skills to new languages. This strategy improves academic achievement across disciplines by allowing students to focus on content rather than unfamiliar linguistic structures Chamot, A. U., & O'MALLEY, J. M. (1987).

### **4.2 Challenges in Multilingual Education**

Multilingual education has numerous advantages, but its implementation presents major problems. A key concern is a lack of qualified teachers who can effectively teach in various languages. There is a scarcity of high-quality learning materials in a variety of languages, making it difficult for students to obtain relevant instructional resources Manqele, C. M. (2012). Resistance from governments who prioritize dominant languages challenges efforts to encourage multilingual education. To address these difficulties, significant investment in teacher training and curriculum development is required. Darling-Hammond, L., & Sykes, G. (2003). Providing educators with the required skills and multilingual teaching resources has the potential to increase instructional quality. Increasing the availability of textbooks, digital information, and learning aids in several languages will improve student engagement and comprehension Xodabande, I., & Hashemi, M. R. (2023).

### **4.3 Case Studies of Successful Multilingual Education Models**

Countries including the Philippines, Ethiopia, and Finland have successfully embraced multilingual education programs. The Philippines, for example, implemented MTB-MLE to encourage learning in regional languages before switching to English and Filipino. Ethiopia has also implemented similar techniques to boost literacy rates and educational outcomes in its different language populations Gaspar, A. S. (2023). These case studies demonstrate how bilingual education improves student involvement and academic success.

## **CONCLUSION**

Language is a vital foundation of education, influencing students' comprehension, critical thinking, and academic performance. When kids study in a language they understand, they are more engaged with the material, which leads to better cognitive development and academic accomplishment. Language difficulties, on the other hand, can pose substantial challenges, limiting access to high-quality education and exacerbating educational inequities. To achieve educational equity, effective language policy and multilingual education models are required. Implementing mother tongue-based education in early learning helps kids develop strong fundamental abilities, making it easier for them to adapt to other languages.

Training instructors to manage linguistically diverse classrooms ensures that all students receive the necessary support, whereas designing multilingual curricula allows for more inclusive and accessible learning experiences. To address language hurdles such as a lack of multilingual resources and resistance to linguistic diversity, tailored interventions and policy reforms are required. Digital tools, bilingual instructional methods, and culturally responsive



teaching approaches can all improve educational accessibility and participation. Investing in language inclusion benefits both individual students and society as a whole. It promotes academic progress, protects cultural identities, and ensures that no student is disadvantaged because of language barriers. By embracing linguistic variety, educational institutions may provide more inclusive, egalitarian, and effective learning environments for all.

## Reference

1. Wells, G. (1999). Language and education: Reconceptualizing education as dialogue. *Annual Review of Applied Linguistics*, 19, 135-155.
2. Norton, B., & Toohey, K. (2011). Identity, language learning, and social change. *Language teaching*, 44(4), 412-446.
3. Lou, N. M., & Noels, K. A. (2019). Promoting growth in foreign and second language education: A research agenda for mindsets in language learning and teaching. *System*, 86, 102126.
4. Nunan, D. (2003). The impact of English as a global language on educational policies and practices in the Asia-Pacific Region. *TESOL quarterly*, 37(4), 589-613.
5. Custers, E. J. (2010). Long-term retention of basic science knowledge: a review study. *Advances in Health Sciences Education*, 15(1), 109-128.
6. Burns, R. (2020). *Adult Learner at Work: The challenges of lifelong education in the new millenium*. Routledge.
7. Kintsch, W. (1994). Text comprehension, memory, and learning. *American psychologist*, 49(4), 294.
8. Lai, E. R. (2011). Critical thinking: A literature review. *Pearson's Research Reports*, 6(1), 40-41.
9. McLean, P., & Ransom, L. (2007). Building intercultural competencies: Implications for academic skills development. In *Teaching international students* (pp. 57-74). Routledge.
10. SWARGIARY, K. (2024). *Language and learning: The crucial role of language in the teaching-learning process*. Google.
11. Farrington, C. A., Roderick, M., Allensworth, E., Nagaoka, J., Keyes, T. S., Johnson, D. W., & Beechum, N. O. (2012). *Teaching Adolescents to Become Learners: The Role of Noncognitive Factors in Shaping School Performance, A Critical Literature Review*. Consortium on Chicago School Research. 1313 East 60th Street, Chicago, IL 60637.
12. Namugenyi, D. K. K. (2018). *Balanced reading instruction for improving reading comprehension of bilingual children*.
13. Tollefson, J. W., & Tsui, A. B. (2014). Language diversity and language policy in educational access and equity. *Review of Research in Education*, 38(1), 189-214.
14. Tollefson, J. W., & Tsui, A. B. (2014). Language diversity and language policy in educational access and equity. *Review of Research in Education*, 38(1), 189-214.
15. Mufwene, S. (2002). Colonisation, globalisation, and the future of languages in the twenty-first century. *International Journal on Multicultural Societies*, 4(2), 162-193.
16. Trudell, B., Piper, B., & Ralaingita, W. (2023). Language of instruction in the African classroom: Key issues, challenges and solutions. In *Handbook of Literacy in Africa* (pp. 79-102). Cham: Springer International Publishing.
17. Chamot, A. U., & O'MALLEY, J. M. (1987). The cognitive academic language learning approach: A bridge to the mainstream. *TESOL quarterly*, 21(2), 227-249.
18. Manqele, C. M. (2012). *An investigation of the role of learners and teachers resource materials in determining a school performance and quality education: a case study of Isiphosemvelo Secondary School* (Doctoral dissertation, University of South Africa).
19. Darling-Hammond, L., & Sykes, G. (2003). Wanted, a national teacher supply policy for education: The right way to meet the "highly qualified teacher" challenge. *Education policy analysis archives*, 11, 33-33.
20. Xodabande, I., & Hashemi, M. R. (2023). Learning English with electronic textbooks on mobile devices: Impacts on university students' vocabulary development. *Education and Information Technologies*, 28(2), 1587-1611.
21. Gaspar, A. S. (2023). Differential Effects of Mother Tongue and English Language As A Medium Of Instruction On Pupil's Numeracy SKILLS. *Recent Educational Research*, 1(2), 77-118.