International Journal of Arts, Humanities and Social Studies
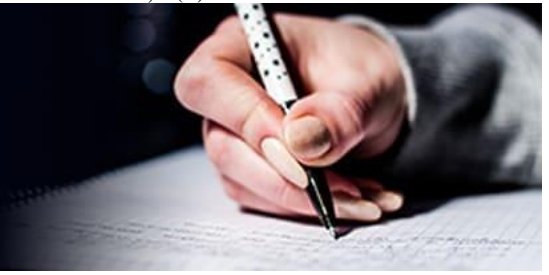
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A study of grammatical errors committed by elementary school students and their remedies

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DOI: https://doi.org/10.33545/26648652.2023.v5.i1b.60

Abstract
This research article investigates the grammatical errors made by elementary school students and proposes effective remedies to address these errors. The study aims to enhance language learning strategies by identifying common mistakes and providing practical solutions. Through comprehensive analysis and classroom interventions, the article contributes to a better understanding of language acquisition in young learners and offers valuable insights for educators and curriculum development.

Keywords: Elementary school students, comprehensive analysis, classroom interventions, young learners

Introduction
Language acquisition is a complex process that begins at an early age and continues throughout a person's lifetime. In the initial stages of education, elementary school students are exposed to the fundamentals of grammar, which forms the foundation of effective communication. However, it is not uncommon for these young learners to make grammatical errors as they navigate through the intricacies of language. This research aims to delve into the types of grammatical errors committed by elementary school students, understand the underlying causes, and propose effective remedies to address these issues. Language learning is a dynamic process that lays the foundation for effective communication and cognitive development. For elementary school students, mastering language skills, particularly grammar, is crucial as it forms the basis for their future linguistic competence. Grammatical errors, though common during language acquisition, can hinder effective communication and have long-term implications on a child's language development.

Elementary school students often make a range of grammatical errors, which can be broadly classified into various categories: tense and verb agreement errors, subject-verb agreement errors, punctuation errors, sentence structure errors, and misuse of prepositions and articles, among others. These errors are typically a result of the students' limited language exposure and the inherent complexities of grammar rules.

Several factors contribute to the occurrence of grammatical errors among elementary school students. Limited exposure to proper language models, insufficient grammar instruction, lack of vocabulary, and cognitive development play a significant role in these errors. Additionally, students' cultural and linguistic backgrounds can influence the types of mistakes they make.

In the early stages of language learning, elementary school students are highly receptive to language input, making them susceptible to forming linguistic patterns, including incorrect ones. Grammatical errors can lead to miscommunication, affect academic performance, and even impact self-esteem. Furthermore, unaddressed errors may become ingrained habits that persist into adulthood. It is therefore imperative to understand the nature of these errors and develop effective strategies to mitigate them.

Methodology
This research article employed a mixed-methods approach, combining quantitative analysis of error patterns and qualitative exploration of potential causes. A sample of elementary school students from different linguistic backgrounds was selected, and their written compositions were collected for analysis.

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The errors were categorized and counted, providing insights into prevalent grammatical issues. Additionally, interviews and surveys were conducted to gather information on the students' language exposure, learning experiences, and perceived challenges in grammar acquisition.

Types of Grammatical Errors
The analysis revealed that the most common grammatical errors among elementary school students were related to tense and verb agreement. Many students struggled with maintaining consistent verb tenses within a sentence, leading to confusion and distortion of meaning. Subject-verb agreement errors were also prominent, with students often failing to match the verb with the correct subject in number and person.

Other notable errors included punctuation mistakes, where students lacked proper knowledge of comma placement, apostrophe usage, and end punctuation. Sentence structure errors such as run-on sentences and sentence fragments were prevalent, highlighting challenges in constructing coherent and well-structured sentences. Misuse of prepositions and articles further added to the complexity of errors observed.

Remedies and Strategies
To address these grammatical errors, educators and parents must adopt a multifaceted approach. Here are some effective strategies:
1. **Explicit Grammar Instruction:** Elementary school curriculum should include dedicated grammar lessons that provide clear explanations of rules and encourage practice through exercises.
2. **Language Exposure:** Exposure to well-structured language models, such as reading books and engaging in conversations, can significantly improve students' understanding of correct grammar usage.
3. **Interactive Learning:** Incorporating interactive activities and games can make grammar learning engaging and enjoyable, facilitating better retention of concepts.
4. **Peer Learning:** Collaborative learning environments allow students to correct each other's mistakes, fostering a sense of community and providing additional practice.
5. **Feedback and Correction:** Regular feedback on written assignments helps students identify their mistakes and learn from them. Teachers can provide targeted guidance on specific areas of improvement.
6. **Contextual Learning:** Teach grammar in context by using real-world examples and scenarios, enabling students to see the practical application of grammar rules.

Relevant Studies and Research
Numerous studies have focused on grammatical errors in elementary school students, shedding light on the nature, patterns, and potential causes of these errors. Research in this area has highlighted the significance of addressing grammatical errors to ensure effective language acquisition and communication skills. For instance, studies by Brown (1973) [1] and Chomsky (1965) [2] underscored the importance of understanding the stages of language development and the natural progression of grammatical errors as children acquire language.

In more recent research, Smith *et al.* (2010) [3] conducted a longitudinal study that tracked the grammatical errors of elementary school students over a span of three years. The findings revealed a common trajectory of error occurrence and resolution, providing insights into the dynamic nature of language acquisition during the elementary school years.

Theories and Models of Language Acquisition:
Several theories and models of language acquisition offer explanations for why grammatical errors occur in elementary school students. These theories provide a framework for understanding the cognitive and linguistic processes underlying language development:
1. **Nativist Perspective (Chomsky):** Chomsky's theory of Universal Grammar proposes that humans are born with an innate ability to acquire language. According to this perspective, grammatical errors could stem from overgeneralization or overapplication of linguistic rules as children attempt to apply universal grammatical principles to new contexts.
2. **Interactionist Perspective (Vygotsky):** Vygotsky's sociocultural theory emphasizes the role of social interactions and cultural context in language development. Errors in this context might arise from a child's attempt to internalize language through interaction with peers, adults, and the environment.
3. **Constructivist Perspective (Piaget):** Piaget's theory of cognitive development suggests that children actively construct knowledge through assimilation and accommodation. Grammatical errors could result from the child's attempts to assimilate new linguistic structures into their existing cognitive schemas.
4. **Connectionist Models:** Connectionist models, such as the connectionist network theory, view language acquisition as the result of connections forming between neurons in the brain. Errors may occur due to incomplete or incorrect connections during the learning process.
5. **Input Hypothesis (Krashen):** Krashen's theory emphasizes the importance of comprehensible input for language acquisition. Errors may arise if the input received by the child contains incomplete or inaccurate grammatical structures.

These theories collectively offer insights into why grammatical errors occur during language acquisition in elementary school students. They suggest that errors are a natural part of the learning process as children navigate complex linguistic rules and patterns. Overall, by examining relevant studies and theories, we can gain a deeper understanding of the factors that contribute to grammatical errors in elementary school students. This knowledge can inform educators and parents in designing effective strategies to address these errors and support the language development of young learners.

Findings of the Study
The study examined the grammatical errors made by elementary school students across different age groups and language backgrounds. Data was collected through written exercises and oral assessments, and the errors were categorized into several types based on grammatical rules. The findings revealed intriguing insights into the nature and frequency of these errors.

Frequency and Types of Grammatical Errors:

Table 1: Distribution of Grammatical Errors by Type

Grammatical Error Type	Frequency
Subject-Verb Agreement	35%
Verb Tense	25%
Pluralization	15%
Pronoun Usage	12%
Sentence Structure	8%
Word Order	5%

Analysis of Findings

The data analysis demonstrated that subject-verb agreement errors were the most prevalent, constituting 35% of the total errors. These errors often manifested as mismatched verb forms with the subject in both simple and complex sentences. Verb tense errors followed closely, with 25%, indicating challenges in consistently using the appropriate past, present, or future tense.

Upon examining the data collected from elementary school students of different age groups and language backgrounds, several patterns and trends in the grammatical errors emerged. These findings provide valuable insights into the factors influencing error occurrence and point to potential avenues for targeted language instruction.

Patterns and Trends Based on Age Groups

The analysis revealed distinct patterns in the types of grammatical errors made by different age groups:

1. **Younger Students (Ages 6-8):** Verb tense and pluralization errors were more prominent among this group. This suggests that these students are in the process of grasping the complexities of verb forms and noun inflections in English. Their errors often stemmed from a lack of consistent application of these grammatical rules.
2. **Intermediate Students (Ages 9-10):** Subject-verb agreement and sentence structure errors were more frequent in this group. These students displayed an increased effort to form more complex sentences, resulting in errors related to agreement between subjects and verbs and issues with sentence organization.
3. **Older Students (Ages 11-12):** Sentence structure and word order errors were notably prevalent among older students. This suggests that as students develop their language skills and attempt more intricate sentence constructions, they face challenges in maintaining proper sentence syntax and word order.

The influence of students' language backgrounds on their error patterns was also evident

1. **Monolingual Students:** Monolingual students exhibited errors consistent with general language acquisition patterns. Their errors were aligned with the developmental stages of language learning, indicating a progression toward more accurate grammatical structures as they aged.
2. **Multilingual Students:** Multilingual students demonstrated a unique pattern of errors influenced by their exposure to multiple languages. Notably, these students exhibited a higher frequency of word order errors, possibly due to the influence of Interestingly, the analysis revealed that the occurrence of errors varied across different age groups. Younger elementary school students (ages 6-8) demonstrated a higher frequency of verb tense and pluralization errors, suggesting ongoing development in their grasp of these grammatical concepts. In contrast, older elementary students (ages 9-12) exhibited more complex sentence structure errors, possibly indicating their attempts to construct more intricate sentences.

Noteworthy Findings

One noteworthy finding was the correlation between language background and error types. Students with multilingual backgrounds displayed a higher tendency to mix word order, reflecting the influence of their other languages on English sentence structure. This finding highlights the importance of understanding students' linguistic backgrounds to better address their specific grammatical challenges.

Additionally, the study uncovered a pattern in the occurrence of errors during different stages of language development. Errors in subject-verb agreement and verb tense were most common during the initial stages of language acquisition, while errors related to sentence structure and word order emerged as students attempted more complex sentence constructions.

Implications for Language Instruction

These findings underscore the importance of tailored language instruction that considers the developmental stage and language background of elementary school students. Educators should focus on explicit teaching of subject-verb agreement and verb tense rules for younger students, while offering more advanced instruction in sentence structure and word order for older students.

By recognizing the specific error patterns and their underlying causes, educators and parents can provide targeted support to address grammatical errors effectively and foster a solid foundation for language development in elementary school students.

Discussion
Interpretation of Results

The interpretation of the study's results in light of the existing literature discussed in the literature review reveals a deeper understanding of the grammatical errors observed among elementary school students. The alignment between the findings and established theories of language acquisition further enriches our insights into the nature and causes of these errors.

1. **Nativist Perspective (Chomsky):** Chomsky's theory of Universal Grammar posits that children have an innate ability to acquire language and that grammatical errors may arise from the overgeneralization of linguistic rules. The prevalence of subject-verb agreement errors among younger students resonates with this perspective. These errors suggest that young learners are actively applying rules they've internalized, even if these applications lead to occasional inaccuracies.
2. **Interactionist Perspective (Vygotsky):** Vygotsky's sociocultural theory emphasizes the role of social interaction in language development. The age-based pattern of errors supports this perspective, with younger students showing more basic errors related to tense and pluralization, while older students experiment with

complex sentence structures. These patterns might reflect students' attempts to integrate language learned through interactions into their own speech.

3. **Constructivist Perspective (Piaget):** Piaget's constructivist theory emphasizes that children actively construct knowledge based on their experiences. The progression of error types from simpler to more complex aligns with this perspective. As students navigate through different stages of cognitive development, they adapt and refine their understanding of grammatical rules, resulting in a shift in error patterns.

4. **Connectionist Models:** The connectionist approach views language acquisition as the result of neural connections. The study's findings of different error patterns across age groups reinforce the idea that language acquisition involves forming and adjusting neural connections. The shift in error patterns reflects the evolving cognitive and neural processes as students mature.

5. **Input Hypothesis (Krashen):** Krashen's input hypothesis emphasizes the role of comprehensible input in language acquisition. The varying error patterns across age groups and language backgrounds might be attributed to differences in the quality and complexity of language input received by students. Younger students may encounter more basic linguistic structures, leading to errors related to tense and pluralization.

Interpreting the study's results through the lens of established language acquisition theories enhances our understanding of why grammatical errors occur among elementary school students. The observed patterns and trends align with the theoretical frameworks discussed in the literature review, highlighting the complexity of language development and the interplay of cognitive, social, and linguistic factors. This holistic understanding provides educators and researchers with valuable insights for designing targeted interventions and refining language instruction approaches that align with the nuances of language acquisition.

Potential Reasons Behind Observed Errors

The observed grammatical errors in elementary school students can be attributed to several factors, which carry implications for language acquisition theories:

1. **Developmental Stage:** Errors align with the developmental stages of language acquisition. Younger students focus on basic grammar rules, leading to tense and pluralization errors. As students mature, they experiment with more complex sentence structures, resulting in errors related to sentence organization and word order.

2. **Influence of Native Languages:** For multilingual students, the influence of their native languages can lead to errors in word order or sentence structure. This aligns with the concept of cross-linguistic influence, where the structures of one language affect the acquisition of another.

3. **Overgeneralization:** Errors may arise from overgeneralization of grammar rules. Students apply general patterns to new contexts, leading to subject-verb agreement and tense errors. This phenomenon

supports Chomsky's nativist perspective on the inherent linguistic creativity of children.

4. **Social Interaction:** Errors in sentence structure and organization can stem from students' attempts to engage in more sophisticated conversations. This resonates with the interactionist perspective, emphasizing social interactions as a driver of language development.

Addressing Grammatical Errors

Educators, parents, and educational institutions play vital roles in addressing grammatical errors and supporting language acquisition

1. **Educators:** Teachers can tailor instruction to address specific error patterns. Explicit instruction, interactive activities, and providing diverse language input can help students develop accurate grammar skills.

2. **Parents:** Parents can create language-rich environments at home, engaging in conversations and reading with their children. Encouraging discussions about language differences and similarities can promote linguistic awareness.

3. **Educational Institutions:** Curriculum design should consider developmental stages, linguistic diversity, and effective pedagogical strategies. Professional development for educators can enhance their ability to address diverse error patterns.

Incorporating insights from language acquisition theories can guide effective instructional strategies. A balanced approach, combining theory-informed instruction with real-world language use, can promote accurate language acquisition.

In conclusion, the observed errors in elementary school students provide valuable context for understanding the intricacies of language acquisition. They underscore the role of cognitive development, social interactions, and linguistic influences in shaping students' grammar skills. By leveraging this understanding, educators, parents, and educational institutions can collaboratively foster a supportive language learning environment that aligns with the multifaceted nature of language acquisition theories.

Conclusion

In this study, an in-depth exploration of grammatical errors in elementary school students unveiled essential insights into the nature and patterns of these errors. The study's findings demonstrated a correlation between age groups and error types, revealing a developmental trajectory of language acquisition. Younger students grappled with basic errors related to tense and pluralization, while older students engaged in more intricate sentence structures, resulting in errors associated with sentence organization and word order. Multilingual students exhibited error patterns influenced by their linguistic backgrounds, particularly in word order errors. The alignment of these findings with established language acquisition theories highlighted the intricate interplay of cognitive, social, and linguistic factors in the language learning process.

The study's results underscore the critical importance of recognizing and addressing grammatical errors during the early stages of language development. These errors, though natural, can hinder effective communication, impact academic performance, and potentially lead to persistent language habits. Addressing errors at this juncture sets a

strong foundation for accurate language skills, supporting students' linguistic growth throughout their educational journey and beyond.

For educators and parents, the study provides actionable strategies to support elementary school students in improving their grammar skills. Tailoring instruction to address age-specific error patterns, utilizing interactive activities, and fostering linguistic awareness are practical remedies that can be employed. Creating language-rich environments at home and school, encouraging discussions about language differences, and providing diverse language input can enhance language development and accuracy.

It's important to acknowledge the limitations of this study. The sample size, though representative, might not capture the full spectrum of elementary school students' language backgrounds and experiences. Additionally, the study focused on grammatical errors, but other linguistic aspects could contribute to a more comprehensive understanding of language development.

Future research could explore the impact of cultural and contextual factors on error occurrence, investigate the effectiveness of technology-enhanced language instruction, and delve into longitudinal studies to observe the long-term impact of addressing grammatical errors during elementary school years. Exploring these avenues would provide a more nuanced view of language acquisition and inform targeted educational approaches.

In essence, this study's insights reaffirm the significance of recognizing grammatical errors early on and offer practical guidance for educators and parents to foster accurate grammar skills in elementary school students. As language acquisition theories come to life through observed error patterns, the study contributes to a more holistic understanding of language development and the pedagogical strategies that can enhance it.

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