LINGVISTIC FEATURES OF POLYSEMOUS WORDS IN THE DEVELOPMENT AND PROGRESS OF LEARNING

Master's student of Samarkand State Institute of Foreign Languages
Nurillayeva Nilufar Zafarovna
Scientific supervisor
Fdf professor **A.M. Turobov**

Abstract: *Polysemy - the phenomenon where a single word carries multiple related meanings - is a fundamental aspect of language that significantly influences both first (L1) and second language (L2) acquisition. Research indicates that children exhibit a preference for low-polysemy words during early vocabulary development, with a notable increase in polysemy over time, particularly in verbs. This progression is characterized by an initial rapid acquisition phase, followed by a slower, more stable phase. Educational strategies, such as using Venn diagrams and semantic mapping, have been shown to effectively enhance understanding of polysemous words, thereby supporting vocabulary development and reading comprehension. This paper explores the linguistic features of polysemous words and their impact on language learning, emphasizing the importance of targeted teaching methods to facilitate semantic development.*

Keywords: *Polysemy, language acquisition, semantic development, second language learning, vocabulary instruction, metalinguistic awareness, educational strategies, reading comprehension.*

Introduction

Language acquisition is a complex process influenced by various cognitive and linguistic factors. One such factor is polysemy - the phenomenon where a single word carries multiple related meanings. Polysemy is a pervasive

feature of natural languages and plays a significant role in both first (L1) and second language (L2) acquisition. Understanding how polysemous words are processed and learned can provide valuable insights into the mechanisms of language development and inform effective teaching strategies [1].

In early language development, children tend to acquire words with low polysemy first, gradually expanding their vocabulary to include more polysemous terms. This progression reflects the increasing complexity of their linguistic and cognitive abilities. For instance, studies have shown that children exhibit a preference for nouns with single meanings during their initial vocabulary acquisition stages. However, as their language skills mature, they begin to understand and use polysemous words, demonstrating the development of semantic flexibility and context sensitivity .

In second language learning, the acquisition of polysemous words presents unique challenges. L2 learners often begin with the core meaning of a polysemous word and may struggle to grasp its extended senses. This can lead to overgeneralization or misinterpretation in different contexts. Research indicates that explicit instruction focusing on the relationships between different senses of a polysemous word can enhance learners' understanding and retention [2].

Educational strategies that address the complexities of polysemy are crucial in facilitating vocabulary development. Approaches such as semantic mapping, context-based learning, and the use of visual aids have been found effective in helping learners navigate the multiple meanings of polysemous words. These methods encourage learners to consider the context and the nuances of meaning, promoting deeper comprehension and more accurate language use .

This paper aims to explore the linguistic features of polysemous words and their impact on language development and learning. By examining the cognitive processes involved in understanding multiple meanings and the

instructional strategies that support this, we seek to contribute to a more nuanced understanding of polysemy in language acquisition [3].

Methods

Research Design

This study employs a mixed-methods approach, integrating both qualitative and quantitative data collection techniques to explore the linguistic features of polysemous words and their impact on language development and learning. The research comprises two main phases:

Corpus Analysis

A detailed examination of polysemous words in English texts, focusing on their frequency, distribution, and contextual usage. This analysis aims to identify patterns in how polysemous words are employed across different genres and registers.

The primary objective of the corpus analysis is to investigate the frequency, distribution, and contextual usage of polysemous words in English texts. By examining a diverse range of corpora, this analysis aims to identify patterns in how polysemous words are employed across different genres and registers, providing insights into their role in language development and learning [4].

Experimental Study

A controlled classroom experiment involving second language learners to assess the effectiveness of various instructional strategies on the acquisition of polysemous words.

The primary objective of this experimental study is to investigate the effectiveness of different instructional strategies in enhancing the acquisition and retention of polysemous words among second language learners. This experimental study aims to provide empirical evidence on the effectiveness of different teaching strategies in teaching polysemantic words to second

language learners. We hope that the findings will contribute to the development of more effective vocabulary teaching methods in language education [6].

Results

Pre-Test Analysis

Prior to the instructional phase, both the Underlying Meaning Approach and Sense Selection Approach groups demonstrated similar baseline knowledge of polysemous words. Statistical analysis revealed no significant differences between the two groups in their pre-test scores, indicating comparable levels of understanding at the outset of the study.

Post-Test Outcomes

Upon completion of the instructional phase, both groups exhibited improvements in their understanding of polysemous words. However, the UMA group showed significantly higher post-test scores compared to the SSA group. This suggests that the UMA, which emphasizes the core meaning and semantic relationships of polysemous words, was more effective in enhancing learners' comprehension [5]. These findings align with previous research indicating that explicit instruction focusing on the underlying meanings of polysemous words can facilitate their acquisition.

Retention Test Results

One month after the instructional phase, a retention test was administered to assess the long-term retention of polysemous word meanings. The UMA group maintained higher retention rates compared to the SSA group, indicating that the understanding gained through the UMA was more durable over time. This underscores the importance of teaching polysemous words through approaches that highlight their semantic networks and interrelated senses.

Learner Feedback

Qualitative feedback collected from participants revealed that those in the UMA group found the instruction more engaging and felt better equipped to use polysemous words in various contexts. They reported that understanding

the core meaning and its extensions helped them infer meanings more accurately. In contrast, participants in the SSA group expressed difficulty in remembering the multiple senses of polysemous words when presented in isolation [7].

Comparative Analysis with Previous Studies

The results of this study corroborate findings from other research on the acquisition of polysemous words. For instance, a study by Vardidze (2020) demonstrated that a Similarity-Based Approach, which emphasizes semantic relations, improved learners' retention of polysemous words compared to traditional methods. Similarly, research by Rashidi (2013) indicated that the Underlying Meaning Approach was more effective than the Sense Selection Approach in teaching polysemous words to Iranian EFL learners [8].

Discussion

Interpretation of Findings

The results of this study underscore the significance of teaching polysemous words through approaches that highlight their semantic networks. The Underlying Meaning Approach, which emphasizes the core meaning and its related senses, proved more effective than the traditional Sense Selection Approach in enhancing learners' comprehension and retention of polysemous words. This finding aligns with cognitive linguistic theories that posit that understanding the central meaning of a word facilitates the acquisition of its extended senses.

Additionally, the study revealed that learners can identify extended meanings of polysemous words more accurately when provided with sufficient contextual information. This supports the notion that context plays a crucial role in disambiguating word meanings and aiding in the retention of vocabulary.

Implications for Teaching Practice

The findings have several pedagogical implications:

Instruction should focus on teaching the core meaning of polysemous words and their related senses, rather than presenting each sense in isolation. Providing learners with rich contextual information can enhance their ability to infer and retain the extended meanings of polysemous words. Utilizing semantic networks to visually represent the relationships between different senses of a word can aid learners in understanding and remembering polysemy. Incorporating activities that encourage learners to explore and discover the various meanings of polysemous words can promote deeper engagement and understanding.

Limitations and Future Research

While the study provides valuable insights, it is not without limitations:

The relatively small sample size may limit the generalizability of the findings. Future studies with larger and more diverse participant groups are recommended. The study assessed retention one month after instruction; however, longer-term retention should be examined to determine the durability of the effects. Investigating how learners' first language influences their acquisition of polysemous words in a second language could provide further insights into the interplay between L1 and L2 in polysemy acquisition [9].

Conclusion

In conclusion, teaching polysemous words through approaches that emphasize their underlying meanings and semantic relationships enhances learners' understanding and retention. Incorporating contextualized instruction and semantic mapping into language teaching practices can facilitate the acquisition of polysemy, thereby improving learners' lexical competence and overall language proficiency.

This study underscores the pivotal role of polysemy in second language acquisition and its implications for pedagogical strategies. The findings highlight that second language learners often encounter challenges in acquiring and retaining the multiple meanings of polysemous words. These challenges

are influenced by factors such as the learners' proficiency level, the frequency of word senses, and the instructional methods employed.

Effective instruction of polysemous words necessitates a comprehensive approach that emphasizes the interrelatedness of a word's senses. Pedagogical strategies should incorporate contextualized learning, semantic mapping, and metalinguistic awareness to facilitate deeper understanding and retention. Furthermore, raising learners' metalinguistic awareness - defined as the ability to reflect on and manipulate the structural features of language - can enhance their ability to discern and utilize the various meanings of polysemous words.

Incorporating these strategies into language instruction can lead to more effective vocabulary acquisition, thereby enhancing overall language proficiency. Future research should explore longitudinal studies to assess the long-term impact of polysemy-focused instruction and investigate the role of individual learner differences in the acquisition of polysemous words.

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