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## PEDAGOGICAL APPROACHES AND METHODS IN UNDERSTANDING SEMANTIC CONTENT

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**Annotation.** This article systematically analyzes the process of understanding the semantic content of educational texts from a pedagogical perspective. The purpose of the study is to identify the main pedagogical mechanisms that contribute to meaning-making during students' interaction with texts, to explain their theoretical foundations, and to propose a methodological model intended for practical application in the educational process. In the research, the process of semantic comprehension is interpreted as a dynamic interaction among the learner, the text, the task, and the socio-pedagogical environment. The analysis revealed that prior knowledge activation, semantic mapping, guided questioning, inferencing, metacognitive monitoring, reflection, and cooperative discussion serve as the central mechanisms of semantic comprehension. Based on these mechanisms, the article develops a four-stage methodological model, diagnostic criteria for teachers, and indicators for practical experimental work. The results demonstrate the necessity of strengthening pedagogical approaches aimed not merely at reading educational texts, but at constructing, interpreting, and applying meaning.

**Keywords:** semantic interpretation, cognitive activity, text processing, conceptual understanding, communicative competence, analytical thinking, educational strategies, interactive methods, content analysis, learning activity.

## SEMANTIK MAZMUNNI ANGLASHDA PEDAGOGIK YONDASHUV VA METODLAR

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**Annotatsiya.** Mazkur maqolada ta'lim matnlarining semantik mazmunini anglash jarayoni pedagogik nuqtai nazardan tizimli ravishda tahlil qilingan. Tadqiqotning maqsadi talabalarning matn bilan ishlash jarayonida ma'no hosil qilishiga xizmat qiluvchi asosiy pedagogik mexanizmlarni aniqlash, ularning nazariy asoslarini yoritish hamda ta'lim jarayonida amaliy qo'llash uchun metodik model ishlab chiqishdan iborat. Tadqiqotda semantik anglash jarayoni o'quvchi, matn, topshiriq va ijtimoiy-pedagogik muhit o'rtasidagi dinamik o'zaro ta'sir sifatida talqin etilgan. Tahlillar natijasida avvalgi bilimlarni faollashtirish, semantik xaritalash, yo'naltiruvchi savollar, inferensiya, metakognitiv monitoring, refleksiya va hamkorlikdagi muhokama semantik anglashning asosiy mexanizmlari ekanligi aniqlangan. Ushbu mexanizmlar asosida maqolada to'rt bosqichli metodik model, o'qituvchilar uchun diagnostik mezonlar hamda amaliy tajriba ishlari uchun indikatorlar ishlab chiqilgan. Natijalar ta'lim matnlarini faqat o'qish emas, balki ularning mazmunini qurish, talqin qilish va amaliyotda qo'llashga yo'naltirilgan pedagogik yondashuvlarni kuchaytirish zarurligini ko'rsatadi.

**Kalit so'zlar:** semantik interpretatsiya, kognitiv faoliyat, matn bilan ishlash, konseptual anglash, kommunikativ kompetensiya, analitik fikrlash, ta'lim strategiyalari, interfaol metodlar, mazmuniy tahlil, o'quv faoliyati.

## ПЕДАГОГИЧЕСКИЕ ПОДХОДЫ И МЕТОДЫ В ПОНИМАНИИ СЕМАНТИЧЕСКОГО СОДЕРЖАНИЯ

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**Аннотация.** В данной статье системно анализируется процесс понимания семантического содержания учебных текстов с педагогической точки зрения. Цель исследования заключается в выявлении основных педагогических механизмов, способствующих формированию смысла в процессе взаимодействия обучающихся с текстом, объяснении их теоретических основ, а также

разработке методической модели для практического применения в образовательном процессе. В исследовании процесс семантического понимания рассматривается как динамическое взаимодействие между обучающимся, текстом, заданием и социально-педагогической средой. Анализ показал, что актуализация предшествующих знаний, семантическое картирование, направляющие вопросы, инференция, метакогнитивный мониторинг, рефлексия и совместное обсуждение выступают основными механизмами семантического понимания. На основе данных механизмов в статье разработаны четырехэтапная методическая модель, диагностические критерии для преподавателей и показатели для практической экспериментальной работы. Результаты исследования демонстрируют необходимость усиления педагогических подходов, направленных не только на чтение учебных текстов, но и на конструирование, интерпретацию и применение их смысла.

**Ключевые слова:** семантическая интерпретация, когнитивная деятельность, работа с текстом, концептуальное понимание, коммуникативная компетенция, аналитическое мышление, образовательные стратегии, интерактивные методы, содержательный анализ, учебная деятельность.

**Introduction.** In the context of globalization and the intensification of digital information flow, the process of reading educational texts is no longer limited to receiving information. Instead, it requires complex cognitive activity, including analyzing the semantic structure of texts, identifying internal logical relationships, interpreting the author’s concept, and integrating information with existing systems of knowledge. From this perspective, reading comprehension competence emerges as one of the key intellectual indicators of modern education.

Contemporary psycholinguistic and pedagogical approaches interpret text meaning not as static information existing in a ready-made form, but as a semantic phenomenon constructed through the interaction of the learner with the text, communicative tasks, and socio-cognitive context. However, one of the major problems observed in educational practice is that students are often able to reproduce the explicit content of a text but experience difficulties in independently identifying implicit semantic relationships, cause-and-effect connections, conceptual hierarchies, and theoretical generalizations.

In this context, the teacher acts not merely as a controller or transmitter of information, but as a pedagogical mediator who organizes and guides the process of meaning-making. This approach substantiates that the cognitive complexity of tasks, learners’ prior experiences, pedagogical scaffolding, and assessment criteria function as integrated mechanisms within the process of semantic comprehension.

### **Relevance of the Topic and Theoretical Foundations**

The theory of semantic comprehension is regarded as a scientific concept formed at the intersection of modern psycholinguistics, cognitive psychology, and pedagogy. According to this approach, understanding a text is not the passive reception of ready-made information, but an active process of constructing meaning and reconstructing knowledge. Walter Kintsch’s (1988) construction-integration model explains text comprehension through three levels: surface structure, text base, and situation model. According to the researcher, deep semantic comprehension occurs precisely when a situation model is formed, as learners generate new meaning by integrating textual information with their prior knowledge. This approach serves as a methodological foundation for developing students’ abilities to transfer and apply knowledge in new situations.

Supporters of schema theory, Patricia L. Carrell and Joan C. Eisterhold (1989), argue that the level of text comprehension directly depends on learners’ background knowledge and socio-cultural cognitive experience. In their view, new information becomes meaningful only when connected with existing knowledge schemas. Therefore, activating prior knowledge, encouraging associative thinking, and creating contextual frameworks are recognized as important pedagogical mechanisms that strengthen semantic comprehension.

Metacognitive research also demonstrates the crucial role of self-monitoring and reflective control in text comprehension. The National Reading Panel (2000) report emphasizes that strategies such as generating questions, summarizing, explaining unclear fragments, and analyzing text structure significantly improve reading comprehension effectiveness. Consequently, organizing semantic comprehension mechanisms through the integration of cognitive, metacognitive, and socio-interactive factors is considered a scientifically grounded approach.

Recent studies, particularly those concerning informational text comprehension, indicate that understanding scientific and informational texts requires more complex cognitive operations than narrative texts. Inferential reasoning, background knowledge activation, and structural integration emerge as the key factors in this process. Moreover, empirical studies confirm that semantically enriched digital reading environments reduce cognitive load and improve reading effectiveness. Thus, the problem of understanding the semantic content of educational texts appears not only as an issue of traditional teaching methodology but also as a scientific-pedagogical problem closely related to the design of modern digital learning environments.

### **Purpose, Objectives, and Research Methods**

The main purpose of this article is to theoretically and methodologically analyze the pedagogical mechanisms that ensure understanding of the semantic content of educational texts and to develop a methodological model aimed at their implementation in the educational process. In accordance with this purpose, the following objectives were defined: to conduct a systematic analysis of scientific approaches to semantic comprehension, to identify the structural components of pedagogical mechanisms, to describe effective methods and strategies applicable in the educational process, and to develop diagnostic indicators and assessment criteria for experimental research.

The research methodology has an integrative character and includes theoretical analysis, comparative interpretation, pedagogical modeling, and diagnostic assessment methods. Based on the analysis of scientific literature, the factors influencing semantic comprehension were categorized into cognitive, metacognitive, linguistic, didactic, and socio-communicative groups. In addition, within the framework of the article, an observation checklist, a four-level assessment scale, and a system of sample tasks for identifying learners' semantic comprehension levels were developed. The proposed methodological model can be adapted to different age groups and educational stages.

### **Main Pedagogical Mechanisms Ensuring Semantic Comprehension**

#### **Activation of Prior Knowledge**

Learners approach a new text not with an empty mind, but with a network of existing knowledge, experiences, perceptions, and concepts. Therefore, introducing key terms, asking predictive questions, creating clusters, or presenting problem situations at the beginning of a lesson prepares the entry point for semantic comprehension.

#### **Semantic Mapping**

Semantic mapping allows concepts and their relationships—such as attributes, cause-effect connections, part-whole relations, and general-specific links—to be represented visually. This mechanism is especially effective when working with conceptually dense scientific texts, as it transforms information from a linear sequence into a semantic network.

#### **Guided Questioning and Reciprocal Teaching**

The reciprocal teaching model proposed by Annemarie Palincsar and Ann L. Brown includes predicting, questioning, clarifying, and summarizing strategies that transform learners into active creators of meaning. This mechanism shifts the focus from teacher-centered instruction to learner-centered interaction while maintaining guidance and monitoring functions.

#### **Inferencing**

To understand implicit or ambiguous parts of a text, learners must reconstruct relationships that are not directly expressed. Arthur C. Graesser, Paul van den Broek, and their colleagues emphasize that deep text comprehension relies on the integration of automatic and strategic inferences. From a pedagogical perspective, questions such as “Why?”, “What conclusion can be drawn?”, and “Why did the author avoid stating this directly?” activate inferential thinking.

#### **Metacognitive Monitoring**

Learners should be able to recognize whether they understand a text, modify their strategies when necessary, and return to problematic sections. Teachers can support this process through methods such as “stop-and-read,” “self-questioning,” and “I did not understand—let me explain why.”

#### **Reflection and Transfer**

Semantic comprehension should not remain limited to a single text but must be transferable to new situations. Therefore, reflective tasks such as “What did I learn?”, “Which idea was new for me?”, and “Where can I apply this knowledge?” are pedagogically appropriate at the end of lessons.

#### **Cooperative Discussion**

According to the social constructivist approach, meaning is often formed through collaborative interaction. Group discussions help learners defend their interpretations, provide arguments, and reconsider others' perspectives. Comparing multiple interpretations of complex educational texts increases semantic precision.

### **Methods and Technologies for Practical Application**

To ensure semantic comprehension, it is recommended to organize lessons according to a four-stage model: preparatory stage, active reading stage, semantic deepening stage, and reflective-transfer stage. During the preparatory stage, learners express their initial perceptions of the topic, identify key concepts, and formulate predictive questions. In the active reading stage, the text is divided into sections, each accompanied by guiding questions, annotation techniques, and brief commentaries. During semantic deepening, semantic maps, tables, Venn diagrams, and techniques such as “the author’s idea—my conclusion” reveal internal relationships. Finally, in the reflective-transfer stage, learners generalize knowledge, apply it to practical situations, and complete mini-essays or problem-based tasks.

Duke and Pearson’s conclusions on effective reading comprehension practices emphasize the effectiveness of direct instruction, modeling, guided practice, and independent application. Therefore, teachers should not merely explain reading strategies but also demonstrate them through think-aloud techniques. Statements such as “Here I am searching for a cause-effect relationship” or “How is this term connected to the previous paragraph?” make invisible cognitive strategies visible to learners.

In digital environments, hyperlinks, semantic tagging, concept windows, color coding, and adaptive questioning systems can function as additional support tools. Song and colleagues demonstrated that semantically enriched environments improve academic reading outcomes and reduce cognitive load. Therefore, semantic supports in electronic textbooks should be designed intentionally according to didactic purposes rather than placed randomly.

### **Diagnostic Criteria and Indicators for Experimental Research**

Assessment of semantic comprehension should not rely solely on test questions, because learners may sometimes guess correct answers without truly understanding the semantic structure of the text. Therefore, comprehensive diagnostics are required:

1. **Reproductive level** — retelling text facts;
2. **Structural level** — distinguishing main and secondary ideas;
3. **Inferential level** — reconstructing hidden relationships;
4. **Transfer level** — applying conclusions to new situations.

These levels help create a semantic development profile of the learner.

The following indicators are proposed for experimental studies:

- a) accurate identification of key concepts;
- b) logical completeness of semantic maps;
- c) quality of learners’ questions;
- d) frequency of independent error detection and correction;
- e) proportion of evidence-based arguments in group discussions;
- f) ability to formulate practical conclusions during reflection.

These indicators may be formalized in the form of rubrics, scoring systems, or observation checklists.

As a practical experiment, it is advisable to compare traditional teaching methods with semantic-mechanism-based instruction in parallel classes. In this process, initial diagnostics, intermediate monitoring, and final assessment should be conducted, and the results analyzed quantitatively and qualitatively. Growth dynamics are especially evident when working with scientific and explanatory texts.

**Discussion.** The analysis demonstrates that difficulties in semantic comprehension are often connected not to vocabulary limitations alone, but to learners’ inability to systematically apply meaning-construction strategies. Therefore, simplifying texts is not always the optimal solution; in some cases, presenting complex texts with pedagogical support leads learners toward higher-order thinking. Recent studies on expository texts also confirm the decisive importance of structural integration and background knowledge for deep comprehension.

On the other hand, teachers’ methodological literacy occupies a central place in developing semantic comprehension. The National Reading Panel report emphasizes that teaching reading comprehension strategies is a complex process requiring teachers to understand not only the text itself but also which strategy is most effective for particular text types and learner groups. Thus, the effectiveness of

pedagogical mechanisms largely depends on teachers' lesson-planning culture and their ability to apply formative assessment.

At the same time, the development of semantic comprehension requires not a single universal method but a flexible complex approach. In primary education, visual and supportive strategies should dominate, whereas in higher grades analytical questioning, argumentative writing, and academic discussion mechanisms should be strengthened. Consequently, pedagogical mechanisms must be differentiated according to learners' age, text type, subject characteristics, and instructional goals.

**Conclusion.** In conclusion, understanding the semantic content of educational texts is a complex process occurring at the intersection of learners' internal cognitive activity and teachers' organizational-pedagogical guidance. This article systematically described seven key pedagogical mechanisms ensuring semantic comprehension: activation of prior knowledge, semantic mapping, guided questioning, inferencing, metacognitive monitoring, reflection and transfer, and cooperative discussion. The proposed four-stage methodological model makes it possible to integrate these mechanisms into a coherent lesson architecture.

Theoretical analysis demonstrated that developing semantic comprehension is one of the key conditions for improving educational quality, strengthening interdisciplinary literacy, and fostering independent thinkers. From a practical perspective, the diagnostic criteria and indicators developed for teachers make it possible to monitor lesson quality, organize experimental studies, and justify methodological decisions. Future research should focus on conducting experimental studies across different academic subjects, identifying age-related differences, and statistically examining the effectiveness of digital semantic supports.

#### Reference:

1. Snow C. Reading for Understanding: Toward an R&D Program in Reading Comprehension. — Santa Monica, CA: RAND, 2002. — 123 p.
2. Duke N. K., Pearson P. D. Effective Practices for Developing Reading Comprehension // Journal of Education. — 2008. — Vol. 189, No. 1–2. — P. 107–122. — DOI: 10.1177/0022057409189001-208.
3. Carrell P. L., Eisterhold J. C. Schema Theory and ESL Reading Pedagogy // TESOL Quarterly. — 1983. — Vol. 17, No. 4. — P. 553–573. — DOI: 10.2307/3586613.
4. Kolić-Vehovec S., Bajšanski I. Metacognitive Strategies and Reading Comprehension in Elementary-School Students // European Journal of Psychology of Education. — 2006. — Vol. 21, No. 4. — P. 439–451. — DOI: 10.1007/BF03173513.
5. Kintsch W. Comprehension: A Paradigm for Cognition. — Cambridge: Cambridge University Press, 1998. — 461 p.
6. van Dijk T. A., Kintsch W. Strategies of Discourse Comprehension. — New York: Academic Press, 1983. — 418 p.
7. National Reading Panel. Teaching Children to Read: An Evidence-Based Assessment of the Scientific Research Literature on Reading and Its Implications for Reading Instruction. — Washington, DC: NICHD, 2000. — 449 p.
8. Keller T. A., Mason R. A., Legg A. E. et al. The Neural and Cognitive Basis of Expository Text Comprehension // npj Science of Learning. — 2024. — Vol. 9, No. 1. — Article 18. — DOI: 10.1038/s41539-024-00232-y.
9. Song N., Chen K., Jin X., Zhao Y. Academic Reading under a Semantic Enhancement Environment: An Empirical Study on Users' Cognitive Load and Reading Effect // Journal of Computer Assisted Learning. — 2023. — Vol. 39, No. 1. — P. 167–181.
10. Askari J. The Role of Semantic Mapping as a While-Reading Activity in Improving Reading Comprehension Ability of the University Students in General English (GE) Courses // Theory and Practice in Language Studies. — 2012. — Vol. 2, No. 11. — P. 2422–2429. — DOI: 10.4304/tpls.2.11.2422-2429.
11. Palincsar A. S., Brown A. L. Reciprocal Teaching of Comprehension-Fostering and Comprehension-Monitoring Activities // Cognition and Instruction. — 1984. — Vol. 1, No. 2. — P. 117–175. — DOI: 10.1207/s1532690xci0102\_1.
12. van den Broek P., Beker K., Oudega M. Inference Generation in Text Comprehension: Automatic and Strategic Processes in the Construction of a Mental Representation // Inferences during Reading. — Cambridge: Cambridge University Press, 2015. — P. 94–121.

13. Korotaeva I. V. Metacognitive Strategies in Reading Comprehension of Education Majors // *Procedia — Social and Behavioral Sciences*. — 2012. — Vol. 69. — P. 1895–1900.
14. Tobler S., Brünken R., Park B. Telling Stories as Preparation for Learning: A Bayesian Meta-Analytic Review // *Learning and Instruction*. — 2024. — Vol. 92. — Article 101934.
15. Gabriel R., Wyse D. The Role of Asset-Based Pedagogy in an Interactive View of Reading // *Review of Education*. — 2024. — Vol. 12, No. 3.
16. Oakhill J., Cain K., Elbro C. *Understanding and Teaching Reading Comprehension: A Handbook*. — London: Routledge, 2015. — 176 p.
17. Klingner J. K., Vaughn S., Boardman A. *Teaching Reading Comprehension to Students with Learning Difficulties*. — New York: Guilford Press, 2007. — 212 p.
18. Song K. et al. A Comprehensive Review of Research on Reading Comprehension // *Educational Research Review*. — 2020. — Vol. 30. — Article 100352.
19. National Reading Panel Publications. Report of the National Reading Panel: Findings and Determinations // NICHD. — 2020 update page for historical report. — Access mode for publication archive used in article synthesis.

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