

The Practical Effect and Application of Detail Positioning Method in English Reading Problem Solving

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Abstract: Details positioning method plays an important role in solving English reading problems. This method helps students answer questions more quickly and accurately by accurately identifying and locating the key information in the article. This paper first introduces the basic principles and steps of the detailed positioning method, and then analyzes its practical effect in problem solving, including improving the speed and accuracy of problem solving. In addition, it also discusses the application of the method in practical teaching, including how teachers guide students to use the detailed positioning method, and the problems and solutions that students may encounter when using the method.

Keywords: Detail positioning method; English reading; Problem-solving effect.

1. Introduction

With the popularization and improvement of English education in China, English reading questions have become an important type to test students' English level and comprehensive comprehension ability. In the process of reading comprehension, students often miss the correct answer because of their inaccurate grasp of details. Therefore, it is particularly important to master the effective detailed positioning method. This paper will discuss the practical effect and application of detail positioning method in the solution of English reading problems, in order to provide reference for improving students' English reading level.

2. The Theoretical Basis of The Detail Positioning Method

2.1. Cognitive psychology and detail positioning

In English reading questions, the application of detail positioning method is deeply inspired and influenced by cognitive psychology. Cognitive psychology is the science of studying how humans acquire, process, store, and apply information, which provides an important theoretical framework for understanding the mechanism of information processing in the process of reading.

2.1.1. The basic concepts of cognitive psychology

Cognitive psychology believes that reading is a complex information processing process involving the synergy of multiple cognitive components. These components include perception, attention, memory, thinking, and more. In the process of reading, the reader needs to quickly and accurately extract key information from the text, which requires effective detailed positioning strategies.

2.1.2. Relationship between detail positioning and cognitive psychology

Detailed positioning method is a reading strategy based on the principles of cognitive psychology. It requires readers to focus on the key information related to the question to quickly find the answer while reading. This approach makes full use of the attention mechanisms and memory mechanisms in cognitive psychology.

2.1.3. The role of the attention mechanism in detail positioning

The attention mechanism is a central concept in cognitive psychology that determines which information we choose for in-depth processing in the ocean of information. In the process of reading, readers need to use the attention mechanism to focus the limited cognitive resources on the key details related to the problem. Through training, readers can learn to quickly identify and locate these key information, thus improving reading efficiency.

2.1.4. Application of memory mechanism in detail positioning

The memory mechanism is another important concept in cognitive psychology. During reading, the reader needs to use memory mechanisms to store key information in the brain so that it can be extracted quickly when answering questions. Through repeated practice, the reader can strengthen the traces of this key information in memory, making it easier to extract when needed.

2.1.5. The guiding significance of cognitive psychology for detail orientation

Cognitive psychology provides theoretical support for us to understand the information processing mechanism in the process of reading, and also provides guidance for the application of detail positioning method. By having a deep understanding of the principles of cognitive psychology, we can better grasp the detail positioning method and improve the reading speed and accuracy.

2.2. Information processing theory and detail positioning

When discussing the problem-solving skills of English reading problems, the detail positioning method is undoubtedly an efficient and practical strategy. The theoretical basis behind this method is the theory of information processing. The theory of information processing provides a unique perspective for us to understand the reading process, but also provides a solid theoretical foundation for the application of detail positioning method.

2.2.1. Overview of information processing theory

The theory of information processing holds that the human cognitive process is essentially a process of receiving,

processing, storing and applying external information. In the process of reading, the brain, as the center of information processing, is responsible for parsing the language symbols in the text, transforming them into meaning, and then combining with the existing knowledge and experience to form a comprehensive understanding of the text content.

2.2.2. Detailed positioning and information processing

The application of detail positioning method in reading comprehension is exactly the practical operation of information processing theory. It requires the reader to be able to accurately identify and locate the key information related to the problem when reading. This process involves the selection, processing and integration of information, which is the concrete practice of information processing theory[1].

2.2.3. Information processing stage and detail positioning

In the process of information processing, the reader first receives the linguistic symbols in the text through the perceptual organ, which is the input stage of information. The brain then decodes and interprets these symbols to form a preliminary understanding of the content of the text. In this process, the detail positioning method requires the reader to focus his attention on the key information related to the problem and avoid interference by irrelevant information. With the deepening of reading, readers need to combine new information with existing knowledge to form a comprehensive and in-depth understanding of the text content. At this stage, the detail positioning method helps readers to accurately extract and remember key information, and provides strong support for answering questions[2].

2.2.4. The guiding significance of information processing theory

Information processing theory provides a powerful guidance for the application of detail positioning method. It reminds us to keep clear thinking in the process of reading and avoid being disturbed by irrelevant information. At the same time, it also emphasizes the importance of knowledge accumulation, because only with rich background knowledge can we better understand and analyze the text content.

3. Practical Operation Steps of The Detailed Positioning Method

In English reading questions, the detail positioning method is a very practical problem-solving skills. By accurately locating key information, we can find answers more efficiently and improve the accuracy of reading comprehension. Below, we will introduce the actual operation steps of the detailed positioning method, to help you better master and use this skill[3].

3.1. Preliminary reading to understand the general idea

First, we need to have a preliminary reading of the whole article. The purpose of this step is to understand the general content and structure of the article, and to lay the foundation for the subsequent details of the positioning. In the initial reading, we can quickly browse the title, the beginning and the end of the paragraph, as well as the key sentences of each paragraph, in order to have a general understanding of the overall content of the article.

3.2. Define the problems and determine the key information

After reading the article, we need to read the question carefully and clarify the key information required by the question. This includes the types of questions (such as fact details, reasoning and judgment questions, etc.), the specific content and requirements of the questions, etc. By carefully reading the questions, we can have a clearer understanding of the information points to be found, and provide a clear direction for the subsequent detailed positioning.

3.3. Detailed positioning, looking for key information

After identifying the key information required by the problem, we can start to locate the details. This step requires us to accurately find the key information related to the problem in the article according to the requirements of the problem. When looking for key information, we can use the scanning and skipping method to quickly locate the paragraphs or sentences related to the question. At the same time, we can also use key words, punctuation marks and other clues to help us find key information more accurately[4].

3.4. Comparative analysis to determine the answer

After finding the key information, we need to compare it with the requirements of the question to determine the final answer. This step requires us to carefully compare the similarities and differences between the key information and the problem requirements, and determine whether it meets the requirements of the problem. In comparative analysis, we need to pay attention to the meaning and context of key words, to avoid answer answers due to understanding bias.

3.5. Review and verify to ensure accuracy

Finally, we need to review and verify the answers to ensure the accuracy of the answers. During the review, we can read the questions and key information again to check whether the answers fully meet the requirements of the questions. At the same time, we can also refer to other parts of the article or context information for further verification and confirmation of the answers. In conclusion, The practical operation steps of the detail positioning method include preliminary reading, clear questions, detail positioning, comparative analysis, and review and verification. By mastering and applying these steps, we can find key information more efficiently and improve the accuracy of reading comprehension[5].

4. Application of Detail Positioning Method in English Reading Questions

4.1. Problem-solving strategies and skills of fact details

In English reading questions, fact details are a common question type, which mainly examines students' ability to understand and grasp the specific information in the article. This kind of topic usually requires candidates to find out the specific details related to the question from the article, such as time, place, people, events, etc. Therefore, it is very important to master effective problem-solving strategies and skills. The first step in solving the factual details question is

to clarify the specific requirements of the question. Read the questions carefully to ensure an accurate understanding of the content and requirements of the questions. Identify the information points to look for, such as a specific time, place, person, or event, etc. In this way, you can find the relevant details more targeted when reading the article. After clarifying the requirements of the problem, it is necessary to quickly locate the key information in the article. Use the structure and paragraph relationship of the article, and quickly browse the beginning, end and key sentences of each paragraph, to get an overall understanding of the article. Then, according to the requirements of the question, use the scanning and skip method to quickly find the paragraphs or sentences related to the question. Pay attention to key words and punctuation marks, which may provide important clues to help you quickly locate key information[6].

After you find the key information, you need to check the answers carefully. Make sure that the details found match the requirements of the question and to avoid incorrect answers due to understanding bias or negligence. Also, pay attention to check the completeness and accuracy of the answers to ensure that there is no missing or wrong information. During reading, you may encounter information that is irrelevant or disruptive to the problem. Learn to eliminate this interference information and focus on finding the key details related to the problem. Avoid being confused by irrelevant information and keep clear thinking to ensure accurate answers. After completing the details of the facts, it is suggested to summarize and reflect. Review the process of solving the problem, summarize the successful experience and shortcomings. Think about how to improve and improve my problem-solving ability in the future learning. At the same time, we should also maintain a positive attitude towards learning, and we believe that through continuous efforts and practice, we will be able to achieve better results. To answer the factual details need to clarify the question requirements, quickly locate the key information, carefully check the answers, eliminate interference information, and summarize and reflect. By mastering and applying these strategies and skills, we can answer the details of facts more efficiently and improve the accuracy of English reading comprehension.

4.2. Reasference judgment questions

In English reading comprehension, the reasoning and judgment question is a deep question type, which not only requires the examinee to understand the surface information of the article, but also requires the examinee to reason and judge according to the known information, so as to draw the conclusion that is not explicitly mentioned in the article. Therefore, it is very important to master the problem-solving strategies and skills of reasoning and judgment problems to improve the reading comprehension ability[7].

First, we need to identify the characteristics of the reasoning and judgment problem. Such questions usually do not ask directly about the details of the article, but require candidates to reason, judge or predict according to the content of the article. The question often contains "offer", "only", "suggest" and other words, indicating that candidates need to make reasoning and judgment.

Before solving the reasoning judgment question, the examinee needs to fully understand the main idea of the article. Only by having a clear understanding of the overall content of the article can we make better reasoning and judgment. Therefore, when reading the article, we should pay

special attention to the subject sentence of the passage, the general idea of the paragraph, and the author's opinion and attitude.

The answer to the reasoning judgment question is often not given directly, but requires the examinee to reason according to the key clues in the article. Therefore, candidates need to read the article carefully to look for key information related to the question. This information may be distributed in various parts of the article and requires a comprehensive analysis by the candidates.

After finding the key clues, the candidates need to use the logical reasoning ability to make a reasonable judgment. In the process of reasoning, we should pay attention to follow the logical law, and avoid subjective assumption and excessive inference. At the same time, we should combine the general idea of the theme of the article and the attitude of the author to ensure the rationality of the judgment results.

After getting the answer, candidates need to verify the correctness of the answer. The answer can be checked into the article to see if it is consistent with the content of the article. If there is any contradiction or irrationality between the answer and the content of the article, it needs to be inferred again.

In short, solving the reasoning judgment questions requires candidates to have solid reading comprehension and logical reasoning ability. By identifying the characteristics of the question type, understanding the main idea of the article, looking for the key clues, reasonable reasoning and judgment, and verifying the correctness of the answer, candidates can answer such questions more effectively, and improve the scoring rate of English reading comprehension[8].

5. Practical Effect Analysis of The Detail Positioning Method

5.1. Improve students' reading speed and accuracy rate

In today's era of information explosion, reading has become an important way to acquire knowledge and information. For students, improving their reading speed and accuracy rate not only helps to improve their academic performance, but also can cultivate the ability of lifelong learning. Below, we will explore several effective strategies to help students improve their reading speed and accuracy rate. The eye is the window of reading, and training the eye tracking is the key to improving the reading speed. Through reading exercises, students can gradually train their eyes to capture text information quickly and accurately. For example, the transition can be made from reading line by line to reading paragraph by paragraph, or even in multiple lines. At the same time, avoid reading back and repeated reading, so that the eyes and the brain work together to improve the reading efficiency.

The size of the vocabulary directly affects the reading speed and accuracy. Students should actively expand their vocabulary and master more vocabulary and phrases. Through daily learning, reading and memory, constantly accumulate vocabulary, reduce the new word barriers in reading, so as to improve the reading speed and accuracy.

Mastering effective reading skills is an important way to improve the reading speed and accuracy. For example, preview and skimming can help students quickly understand the general idea and structure of the article and prepare them for further reading. At the same time, grasp the key words and

sentences, understand the author's intentions and views, it is helpful to accurately grasp the core content of the article. Good reading habits are the guarantee of improving the reading speed and accuracy rate. Students should develop the habit of reading regularly and maintain their enthusiasm and interest in reading. At the same time, arrange reading time reasonably to avoid fatigue and distraction caused by long reading. In the process of reading, keep focus and patience, deeply understand the content of the article, improve the reading effect.

Practice is the best way to improve the reading speed and accuracy rate. Students should do more reading practice and apply the skills and methods to practical reading. Through a lot of reading exercises, constantly sum up the experience and lessons, adjust the reading strategies, and gradually improve the reading speed and accuracy. Improving students' reading speed and accuracy requires many efforts and practice. By training eye tracking, expanding vocabulary, mastering reading skills, cultivating reading habits and practice and application, students can gradually improve their reading speed and accuracy, laying a solid foundation for their future study and life[9].

5.2. Help students to form a systematic reading strategy

Reading is not only a simple text decoding process, but also a process of deep thinking and understanding. In order to enable students to obtain more knowledge and information in reading, it is particularly important to help them form a systematic reading strategy. Here are some tips that aim to help students establish effective reading strategies. Before each reading, students should clarify their reading purpose. Is it to get some information, to understand a concept, or to relax? A clear purpose will allow students to read more specifically and avoid browsing aimlessly. Before starting a deep reading, students should do a pre-reading. By quickly browsing the title of the article, the subtitle, the beginning and the end of the paragraph, as well as the conclusion section, you can have a preliminary understanding of the general content and structure of the article. This helps students to form an overall impression of the article and prepare them for subsequent in-depth reading. Different reading materials and content require different reading speeds. For important and difficult content, students should slow down their reading speed to ensure that it is fully understood and absorbed. For some relatively simple or less important content, the reading speed can be appropriately accelerated to improve the reading efficiency.

During the reading process, students should develop the habit of taking notes and summaries. Record important information, opinions, examples, help to deepen the understanding and memory of the content of the article. At the same time, the summary after the reading, can help students to review and sort out what they have learned, and form a systematic knowledge system. In addition to understanding the superficial information of the article, students should also learn to read critically. This means that in the process of reading, you should not only accept the author's opinions, but also learn to question, analyze and evaluate them. By putting forward their own opinions and opinions, students can understand the article deeper and develop their critical thinking ability[10].

Review after reading and consolidation are equally important. Students should regularly review what they have read and check their understanding and memory. Through

continuous review and consolidation, you can deepen the impression of the content of the article, improve the reading effect. In order to form a systematic reading strategy, students should also try a variety of reading materials. Different reading materials and contents can help students expand their horizons and enrich their knowledge system. At the same time, diversified reading can also help students adapt to different reading styles and difficulties, and improve their reading adaptability. Helping students form a systematic reading strategy requires long-term effort and practice. By clarifying the purpose of reading, pre-reading and planning, choosing appropriate reading speed, taking notes and summaries, critical reading, regular review and consolidation, and diversified reading materials, students can gradually establish their own reading strategies to improve reading efficiency and quality.

6. Conclusion

The detail positioning method helps students to quickly locate the key information in the article, avoiding the tedious reading word for word, thus greatly improving the efficiency of solving problems. This method is especially suitable for those informative and detailed reading articles, so that students can quickly find the answer in the limited time and improve the overall speed of the problem. The detail positioning method emphasizes the precise grasp of the details of the article, and requires students to carefully read and check the consistency of the answers and the original text. This method can help students to avoid the answer deviation caused by carelessness, and improve the accuracy of problem solving. Especially in those who need a deep understanding and analysis of the content of the article, the detail positioning method can give full play to its unique advantages. Through continuous practice and practice, the detail positioning method not only helps students to improve their reading speed and accuracy, but also cultivates their reading skills. Students learn how to browse articles quickly, how to capture key information, how to compare and analyze, etc. These skills are of great significance for improving their reading ability and test-taking ability. The detail positioning method is not only applicable to factual details, but can also be applied to other types of reading questions such as reasoning and judgment questions. Students can flexibly use the detail positioning method, combined with the specific requirements of the topic, targeted reading and problem solving, so as to better adapt to the variety of reading questions. The detail positioning method has shown remarkable practical effect and application value in solving English reading problems. It can not only improve the efficiency and accuracy of problem solving, cultivate students' reading skills, but also adapt to the requirements of diversified questions. Therefore, we suggest that the detail positioning method should be widely promoted and applied in English reading teaching to help students better master reading skills and improve their reading comprehension ability.

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