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Critical Thinking and Problem Solving

Xamidova Farzona Otabek qizi, Student at Translation studies Turkish - English, TSOUS, Uzbekistan.

Musayeva Aziza Abduqodirovna, Teacher at the Department of Western Languages, TSUOS, Uzbekistan.

Annotation: This article explores the fundamental concepts and practical strategies for developing critical thinking and problem-solving skills. It delves into the importance of these skills in various aspects of life, from academia to professional success and personal growth. Through detailed analysis and real-world examples, the article offers readers a comprehensive understanding of the significance of critical thinking and problem-solving and how to cultivate and apply these skills effectively.

Аннотация: В этой статье исследуются фундаментальные концепции и практические стратегии развития критического мышления и навыков решения проблем. В нем углубляется важность этих навыков в различных аспектах жизни, от учебы до профессионального успеха и личностного роста. Благодаря подробному анализу и примерам из реальной жизни статья предлагает читателям всестороннее понимание важности критического мышления и решения проблем, а также того, как эффективно развивать и применять эти навыки.

Annotatsiya: Ushbu maqola tanqidiy fikrlash va muammolarni hal qilish ko'nikmalarini rivojlantirish uchun asosiy tushunchalar va amaliy strategiyalarni o'rganadi. U ushbu ko'nikmalarning hayotning turli jabhalarida, akademiya dan professional muvaffaqiyat va shaxsiy o'sishgacha bo'lgan ahamiyatini o'rganadi. Batafsil tahlil va real misollar orqali maqola o'quvchilarga tanqidiy fikrlash va muammolarni hal qilishning ahamiyati va bu ko'nikmalarni qanday rivojlantirish va samarali qo'llash haqida har tomonlama tushunishni taklif qiladi.

“TEACHING FOREIGN LANGUAGES IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT: BEST PRACTICES, PROBLEMS AND OPPORTUNITIES”

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Key words: Decision-making, curiosity, open-mindedness, obstacles, personal growth, cognitive biases, challenges

Ключевые слова: принятие решений, любопытство, непредвзятость, препятствия, личностный рост, когнитивные искажения, проблемы.

Kalit so'zlar: qaror qabul qilish, qiziquvchanlik, ochiq fikr, to'siqlar, shaxsiy o'sish, kognitiv tarafkashlik, qiyinchiliklar

In a world where challenges are an inevitable part of life, the ability to think critically and solve problems effectively is a priceless skill. Whether you're navigating your career, personal life, or even just making everyday decisions, critical thinking and problem-solving are your trusted companions on the journey to success. In this article, we will delve into the art and science of these essential skills, exploring what they are, why they matter, and how to cultivate them.

Definition of Critical Thinking. Critical thinking is more than just thinking hard or critically about something. It is a structured, systematic approach to thinking that involves analyzing, evaluating, and synthesizing information to form well-reasoned conclusions or decisions. It's about going beyond surface-level understanding and questioning assumptions. Critical thinking comprises several key components: Analysis: The ability to break down complex problems into smaller, manageable parts. Evaluation: Assessing information, arguments, or situations to determine their validity and relevance. Inference: Drawing logical conclusions based on available evidence. Problem-Solving: Applying critical thinking to address challenges and find solutions.

Critical Thinking vs. Creative Thinking. While both critical and creative thinking are valuable skills, they differ in their approaches. Critical thinking is more analytical and objective, focusing on evaluation and logical reasoning. In contrast, creative thinking involves generating new ideas, approaches, and solutions, often without rigid constraints. Also, mindfulness exercises can help improve focus and concentration, key components of critical thinking. Techniques like meditation and

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deep breathing promote clarity of thought.

Developing Critical Thinking Skill Active Listening. One of the foundations of critical thinking is active listening. This skill involves fully engaging with what others are saying, asking clarifying questions, and avoiding preconceived judgments. Active listening enables you to gather and process information effectively.

Asking Thoughtful Questions. Asking the right questions is central to critical thinking. Thoughtful questions help you explore complex issues, uncover hidden assumptions, and consider alternative viewpoints. They encourage deeper understanding and more well-rounded conclusions.

Avoiding Confirmation Bias. Confirmation bias is the tendency to favor information that confirms our existing beliefs while ignoring or dismissing contradictory evidence. Critical thinkers actively seek out diverse perspectives and information, consciously challenging their own biases.

Seeking Diverse Perspectives. Diversity of thought is a powerful tool in critical thinking. Engage with people from different backgrounds and with different viewpoints. This diversity can expose you to a wide range of ideas, helping you think more broadly and critically.

The Problem-Solving Process. Defining the Problem. Before solving a problem, you must clearly define it. This involves identifying the root causes, understanding the context, and setting specific goals for the solution.

Generating Solutions. Brainstorming is a valuable technique for generating potential solutions. Encourage creativity and open-mindedness during this phase. Quantity often leads to quality in brainstorming.

Evaluating and Selecting Solutions. Not all solutions are created equal. Evaluate each potential solution based on criteria such as feasibility, effectiveness, and alignment with your goals. Choose the solution that best meets your needs.

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Implementing and Monitoring. Putting your chosen solution into action is a crucial step. Create a plan, allocate resources, and monitor progress. Be prepared to adjust your approach if needed.

Reflecting and Learning. After solving a problem, take time to reflect on the process. What worked well? What could have been done differently? Learning from your experiences enhances your problem-solving skills over time.

Real-World Applications. **Critical Thinking in the Workplace.** In the professional world, critical thinking is highly valued. It enables employees to analyze complex situations, make informed decisions, and contribute to problem-solving efforts. Employers often seek candidates with strong critical thinking skills.

Problem Solving in Daily Life. From personal relationships to financial decisions, everyday life is filled with problems to solve. Applying critical thinking and problem-solving techniques can lead to better outcomes and improved decision-making.

Critical Thinking in Education. Educators play a crucial role in fostering critical thinking skills in students. Encouraging questioning, discussion, and the examination of diverse perspectives can help students develop these skills, preparing them for future challenges.

Cultivating Critical Thinking and Problem-Solving Skills. **Practicing Mindfulness.** Mindfulness can sharpen your critical thinking skills by helping you stay present and focused. It encourages you to approach situations with a clear and open mind. **Continuous Learning** The journey of improving critical thinking and problem-solving skills is ongoing. Stay curious, read widely, and seek out opportunities for learning and growth.

Seeking Feedback. Feedback from peers, mentors, or experts can be invaluable in honing your skills. Embrace constructive criticism as a means of improving your critical thinking and problem-solving abilities.

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To sum up, in a world filled with complexity and uncertainty, the ability to think critically and solve problems effectively is a superpower. Whether you're aiming to excel in your career, enhance your personal life, or simply make better decisions, these skills will be your guiding light. Start by understanding the principles of critical thinking and problem-solving, practice them in your daily life, and watch as they transform your world into a realm of endless possibilities.

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