

## DEVELOPMENT OF CREATIVE SKILLS RELATED TO PROFESSIONS IN THE RESEARCH OF WORLD SCIENTISTS

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**ABSTRACT:** The development of creative skills is increasingly recognized as essential in various professional fields. This article reviews the contributions of global research towards understanding and enhancing creative skills in professional contexts. The analysis focuses on the methodologies employed by scientists across different disciplines, the factors influencing creative development, and the implications for education and industry. The findings underscore the importance of fostering creativity as a core competency in the modern workforce.

**KEYWORDS:** Creative skills, Technology education, Project-based learning (PBL), Digital tools, Collaborative learning, Design thinking, Innovation, Critical thinking, Pedagogical strategies, Student creativity development.

### INTRODUCTION

Creativity is no longer seen as an innate trait possessed by a few but as a skill that can be cultivated and applied across various professions. In an era marked by rapid technological advancements and complex global challenges, the need for creative problem-solving and innovative thinking has never been greater. This article explores the development of creative skills related to professions, drawing on the insights and research conducted by world scientists.

#### Literature Review

**Definitions and Theoretical Frameworks:** Creativity has been defined and studied through various lenses, including cognitive psychology, education, and organizational behavior. Prominent theories such as Guilford's Structure of Intellect model and Amabile's Componential Theory of Creativity provide foundational frameworks for understanding how creative skills develop.

**Global Research Contributions:** Research from around the world has contributed to our understanding of creativity in professional contexts. For instance, studies in the United States have explored creativity in STEM fields, emphasizing the role of divergent thinking. In contrast, European research has focused on the arts and humanities, highlighting the importance of experiential learning and emotional engagement.

**Influencing Factors:** Various factors influence the development of creative skills, including educational practices, environmental stimuli, and individual psychological traits. Cross-cultural studies reveal that creativity is shaped by cultural norms and values, which affect how it is nurtured and expressed in different professional settings.

### **Methodologies in Creativity Research**

World scientists have employed a range of methodologies to study creativity. These include psychometric assessments, experimental studies, and qualitative analyses. The use of technology, such as brain imaging and AI-driven analysis, has also opened new avenues for understanding the neural correlates of creativity and how it can be enhanced through targeted interventions.

#### **Development of Creative Skills in Professional Education**

**Curriculum Design:** Integrating creativity into professional education requires a deliberate focus on curriculum design. Programs that encourage interdisciplinary learning, problem-based learning, and the use of open-ended projects have been shown to enhance creative skills.

**Teaching Strategies:** Educators play a crucial role in fostering creativity. Strategies such as promoting a growth mindset, encouraging risk-taking, and providing constructive feedback are essential in nurturing creative potential.

**Assessment of Creativity:** Assessing creativity in professional education poses unique challenges. Traditional metrics often fail to capture the nuances of creative thinking. However, innovative assessment methods, such as portfolio reviews and creative challenges, are gaining acceptance.

#### **Creativity in Professional Practice**

**Industry Applications:** Creativity is a key driver of innovation in various industries, including technology, healthcare, and the arts. Companies that prioritize creative thinking in their workforce tend to outperform their competitors in terms of innovation and adaptability.

**Barriers to Creativity:** Despite its importance, creativity often faces barriers in professional settings. These include rigid organizational structures, risk-averse cultures, and a lack of support for creative endeavors. Addressing these barriers is critical for fostering a culture of innovation.

**Case Studies:** This section presents case studies of organizations and professionals who have successfully integrated creative skills into their practice. Examples include tech companies like Google, which encourages "20% time" for creative projects, and healthcare organizations that use design thinking to improve patient care.

The ongoing evolution of professional fields demands continuous research into the development of creative skills. Future studies should explore the impact of emerging technologies, such as artificial intelligence and virtual reality, on creativity. Additionally, there is a need for longitudinal studies that track the development of creative skills over time and across different professional trajectories.

### **CONCLUSION**

The development of creative skills is integral to success in modern professions. World scientists have made significant contributions to understanding how these skills can be cultivated and applied across various fields. As the global economy continues to evolve, the emphasis on creativity as a professional competency will likely increase, making it a critical area for ongoing research and practice.

### **REFERENCES**

1. Amabile, T. M. (1996). *Creativity in Context*. Boulder, CO: Westview Press.

2. Guilford, J. P. (1950). Creativity. *American Psychologist*, 5(9), 444-454.
3. Runco, M. A., & Jaeger, G. J. (2012). The Standard Definition of Creativity. *Creativity Research Journal*, 24(1), 92-96.
4. Sternberg, R. J. (Ed.). (1999). *Handbook of Creativity*. Cambridge University Press.