International Journal for Multidisciplinary Research (IJFMR)
E-ISSN: 2582-2160 ● Website: www.ijfmr.com ● Email: editor@ijfmr.com

Challenges of Student-Centered Education in China: A Review

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Abstract

This review paper discussed the various challenges faced by Chinese universities in implementing student-centered education. Through an analysis of these challenges, this paper aimed to provide valuable insights for educational decision-makers, university administrators, and educational practitioners, helping them to address these issues systematically and fundamentally. This is not only a transformation of the educational model but also an exploration of cultivating innovative strategies who can adapt to future societal challenges, aiming to contribute to the development of Chinese educational system.

Keywords: Student-Centered Education, Challenges, China

1. Introduction

Student-centered education (SCE) was a pedagogical shift from the traditional instructional approaches - teacher-centered – in which students' needs are interests are prioritized. This new approach, rooted in constructivist learning theories, puts emphasis on active learning, critical thinking, and the development of self-regulated learners (Froyd & Simpson, 2010). Moreover, SCE promotes a more engaging classroom environment wherein students thrive to have active tasks in their learning process. Nonetheless, the implementation of SCE posits several challenges, particularly in contexts where traditional educational models are deeply established (De la Sablonnière et al., 2009).

In recent years, China's educational system has been undergoing significant transformations (Li et al., 2011), with policy reforms aimed at shifting from exam-centric approaches to more holistic student-centered practices. The Ministry of Education in China has introduced various initiatives to encourage the adoption of SCE, recognizing its potential to foster creativity, critical thinking, and problem-solving skills among students (Ministry of Education of the People's Republic of China, 2019). However, the transition from a traditionally rigid and exam-oriented educational system to a more flexible, student-centered approach has also various difficulties. These challenges are compounded by cultural expectations, institutional constraints, and a lack of sufficient training for educators in student-centered methodologies (Liu & Fang, 2017).

One significant barrier to the implementation of SCE is the deeply rooted in cultural and educational norms that prioritize hierarchical structures and teacher authority. In many Chinese classrooms, the teacher is viewed as the primary source of knowledge, and students are expected to passively absorb information (Wang, 2011). This traditional dynamic can create resistance to student-centered practices, which require a more egalitarian relationship between teachers and students and encourage students to take responsibility for their own learning. Additionally, the pressure to perform well on standardized assessments remains a substantial obstacle. The gaokao, China's national college entrance examination, plays a crucial role in

determining students' academic and professional futures (Zhao, 2015). This high-stakes testing environment incentivizes teaching to the test, thereby discouraging the adoption of more exploratory and student-driven learning activities that may not directly contribute to exam success. Consequently, educators and students alike may be reluctant to fully embrace SCE due to concerns about its potential impact on exam performance.

Another challenge lies in the provision of adequate training and resources for educators. Effective implementation of SCE requires teachers to be proficient in a variety of pedagogical strategies, such as project-based learning, collaborative group work, and formative assessment techniques (Jones, 2007). However, many educators have received limited professional development in these areas, resulting in a lack of confidence and competence in applying student-centered approaches. Moreover, institutional support in the form of reduced class sizes, sufficient teaching materials, and access to technology is often insufficient, further hindering the transition to SCE.

2. Review of Related Literature

SCE is deeply rooted in constructivist theories of learning, which posit that learners actively construct their own understanding and knowledge of the world through experiences and reflecting on those experiences (Piaget, 1952; Vygotsky, 1978). Constructivism emphasizes the importance of social interactions and cultural contexts in the learning process, suggesting that knowledge is co-constructed through collaborative activities. This theoretical foundation underpins the core principles of SCE, which prioritize active learning, student autonomy, and personalized instruction tailored to individual learning needs (Froyd & Simpson, 2010).

2.1. Global Perspectives on Student-Centered Education

The global shift towards SCE has been driven by the recognition that traditional, teacher-centered methods often fail to equip students with the critical thinking and problem-solving skills necessary in the 21st century (Prince, 2004). In various educational systems worldwide, SCE has been associated with improved student engagement, higher academic achievement, and better preparation for the demands of modern workplaces (Hannafin & Land, 1997). For example, research conducted in the United States has demonstrated that student-centered classrooms foster deeper learning and higher levels of student satisfaction compared to traditional lecture-based environments (Freeman et al., 2014).

2.2. Challenges of Student-Centered Education in China

Despite its theoretical and practical advantages, the implementation of SCE in China presents unique challenges. The Chinese education system has historically emphasized rote memorization, teacher authority, and high-stakes testing (Zhao, 2015). These traditional practices are deeply embedded in the educational culture, creating significant barriers to the adoption of SCE. Liu and Fang (2017) highlight that both teachers and students in China may resist SCE due to a preference for familiar, exam-oriented teaching methods.

Cultural expectations play a critical role in shaping educational practices. In China, the hierarchical relationship between teachers and students, where teachers are seen as the primary source of knowledge and authority, can conflict with the egalitarian nature of SCE (Wang, 2011). This cultural dynamic can lead to resistance from educators who are unaccustomed to relinquishing control over the learning process and from students who may feel uncomfortable with the increased responsibility for their own learning (Wang, 2011).

Institutional constraints further complicate the adoption of SCE. Large class sizes, limited access to teaching resources, and insufficient professional development opportunities for educators are significant obstacles (Zhu & Engels, 2014). Effective SCE requires smaller, more manageable class sizes to facilitate interactive and personalized learning experiences, as well as ongoing training for teachers in student-centered pedagogical techniques (Jones, 2007).

The pervasive influence of high-stakes testing, particularly the gaokao, remains one of the most formidable barriers to SCE in China (Zhao, 2015). The gaokao determines university admissions and significantly impacts students' future opportunities, creating intense pressure to perform well on standardized exams. This high-stakes environment encourages teaching to the test, where educators focus on preparing students for exams rather than fostering critical thinking and independent learning (Liu & Fang, 2017). Consequently, both teachers and students may prioritize exam preparation over engaging in student-centered activities that are perceived as less directly beneficial to test performance.

Despite these challenges, there are promising strategies for promoting the adoption of SCE in China. Professional development programs that provide teachers with the skills and confidence to implement student-centered methods are crucial (Jones, 2007). Additionally, institutional support in the form of smaller class sizes, access to modern teaching resources, and a supportive administrative framework can facilitate the transition to SCE (Zhu & Engels, 2014).

Promoting a gradual shift towards SCE by integrating student-centered activities into existing curricula can also help ease resistance (Prince, 2004). This approach allows educators and students to become more familiar with SCE practices without the pressure of completely abandoning traditional methods. Furthermore, policy reforms that reduce the emphasis on standardized testing and encourage holistic assessments of student performance can create a more conducive environment for SCE (Ministry of Education of the People's Republic of China, 2019).

3. Conclusion

Rooted in constructivist theories, SCE promotes active learning and student autonomy, which have been shown globally to enhance engagement and academic achievement (Froyd & Simpson, 2010; Freeman et al., 2014). However, in China, deeply ingrained cultural norms, institutional constraints, and the high stakes testing environment pose formidable obstacles to its adoption (Liu & Fang, 2017; Zhao, 2015). The teacher-student relationship and emphasis on rote memorization and exam performance inhibit the shift towards SCE (Wang, 2011). Effective strategies to overcome these barriers include professional development for educators, institutional support, gradual integration of student-centered activities, and policy reforms that reduce the emphasis on standardized testing (Jones, 2007; Zhu & Engels, 2014; Ministry of Education of the People's Republic of China, 2019). This synthesis highlights the complexity of educational reform in China and the need for multifaceted approaches to foster a more conducive environment for SCE.

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