

# Research on Innovation of Training Mode of Primary Education Professionals from the Perspective of Industry-Education Integration

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**Keywords:** Integration of industry and education; Primary School Education; personnel training

**Abstract:** Primary education has attracted more and more attention from all walks of life. Therefore, improving the overall level of primary education and cultivating primary school teachers and management talents with excellent professional and technical level have become the focus and key of the current work related to primary education. At present, the level of primary education in most areas of China is low, and the educational resources are seriously unbalanced.. However, combined with the analysis of the professional attributes of primary school teachers, primary school teachers have the characteristics of strong educational professionalism and teachers' professionalism. Therefore, the training goal of undergraduate primary school education should be "higher applied talents". The functional orientation of "teaching" is to lay a solid professional theoretical foundation for students; "Research" focuses on the cultivation of research ability; "Training" refers to the subtle influence of students' scientific research quality through the academic environment atmosphere; "Learning" refers to the acquisition of professional practical ability. Relying on the integration of production and education, undergraduate colleges can comprehensively improve students' innovative and entrepreneurial awareness, innovative and entrepreneurial ability, innovative spirit and sense of social responsibility by reforming the training mode of innovative and entrepreneurial talents, mobilizing the enthusiasm of enterprises, creating an innovative and entrepreneurial incubation platform, establishing an international alliance of vocational education, carrying out work-study alternation, and creating an innovative and entrepreneurial cultural atmosphere on campus.

## 1. Introduction

China's primary education major into the training major in Colleges and universities is still in the primary stage of development, facing various difficulties and problems, and has not achieved good results at present. In the plan for the reform of educational content and curriculum system of Higher Teacher Education for the 21st century implemented by the Ministry of education in 1898, the "Research on the professional construction of primary school teachers with undergraduate and junior college degrees" was established as a key teaching reform project at the ministerial level, focusing on the professional characteristics of primary school education for primary school teachers with undergraduate degrees. With the promulgation of the curriculum standard for Teacher Education (Trial), teacher education, including primary education, is about to set off a new round of reform upsurge. Therefore, how to adapt to the new requirements of the development of teacher education, and how to build a distinctive talent training model for primary school teacher education, which is suitable for China's national conditions, has become a topic of great theoretical and practical significance in the current teacher education reform. Only by synchronizing the training of primary education professionals with the training of national high-end scientific and technological academic talents can we cultivate primary school teachers with excellent quality and excellent skills [1].

Bringing primary school teacher education into the higher education system is an inevitable choice for the professional development of contemporary international teachers. After more than ten years of development, the undergraduate major of primary education is becoming mature [2]. Influenced by traditional ideas, most employers prefer primary school teachers with broad professional knowledge and skilled teaching skills, but do not recognize that "primary education" is

a major, or even undergraduate graduates majoring in primary education. The primary education major, which is responsible for training primary school teachers with bachelor degree, has gradually been recognized by the society. The primary education major of colleges and universities such as Northeast Normal University and Capital Normal University has also been listed as a national characteristic specialty by the Ministry of education. As a higher education institution, it should undertake the task of cultivating talents with advanced teaching philosophy and education mode, and cultivate outstanding primary education talents with high quality, high level and high skills with development potential in the development and management of primary education [3]. Teachers have a solid theoretical foundation of educational discipline, strong awareness of educational problems and ability of primary education research; Can lead children's comprehensive and personalized development with the "eye" and "mind" of educators.

## **2. Connotation of integration of production and education**

Through the innovation of talent training mechanism integrating industry and education, improve the innovation ability of talents in higher vocational colleges, professional and technological innovation skills and creativity, improve the innovation level of scientific research and scientific research achievements, further build a scientific research innovation platform and cultivate a large number of high-quality innovative talents. The connotation of "production". Combined with school enterprise cooperation, the level is industry and enterprise, which should cover: the content includes enterprise development and culture, enterprise organization and management, enterprise posts and products, enterprise production and technology, etc; In form, it includes productive training bases or enterprises inside the school and enterprises with in-depth cooperation outside the school. Under the background that the majority of students, parents and even the society generally pursue high-quality educational resources, primary school teachers must realize the transformation from "teachers" to "researchers", must have the awareness and ability of professional development, and must have the basic ability to study the phenomenon and law of primary school education. The college actively introduces enterprise elements, enterprise career management and enterprise culture, and always adheres to enterprise demand-oriented and student-centered service [4]. Build a bridge of communication among students, enterprises and employers, introduce enterprise elements, enterprise management and enterprise culture into all aspects of teaching management, and cultivate compound and practical talents that truly meet the needs of cultural industry development.

The connotation of "teaching". Generally speaking, it is teaching and educating people. In combination with vocational education, it is based on Building Morality and cultivating people. Teachers impart basic knowledge and skills to students, which should cover: the content includes the training objectives of teaching, the development of teaching materials, the selection of teaching contents, teaching methods and means, the organization and process of teaching, teaching achievements and evaluation, etc; In form, it includes three elements, namely, theory classroom, theory practice integration training room and simulation or production workshop. Domestic and foreign scholars have made a series of descriptive discussions on the characteristics of primary school teachers, mostly from the ability and quality requirements of primary school teachers or the particularity of primary education. Some scholars pointed out that the training of primary school teachers should be promoted from secondary normal school to undergraduate level. Firstly, the cultural heritage of pre service teachers should be comprehensively improved, and secondly, the educational theory level of primary school teachers should be improved. Without good educational ideas, research-oriented and reflective teachers cannot be cultivated [5]. The integration of production and education can be summarized as "teaching in production, producing in teaching", which embodies the following aspects: First, the curriculum of specialty construction focuses on enterprise talent demand standards and jobs; Second, the course content is closely related to the development and culture of enterprises, organization and management of enterprises, positions and products of enterprises, production and technology of enterprises, etc. Third, the training mode and method embody "duality" (school-enterprise co-training) and highlight the technical ability training of vocational education, make full use of enterprise production environment, production site and

production process, and integrate teaching theoretical knowledge and professional skills into the production process.

### **3. Talent training mode of undergraduate primary education specialty**

The original primary school teacher training in China is mainly the secondary normal teacher education model. The main target is junior high school graduates, and the basic educational system is 3 years. However, with the social progress and economic development, the disadvantages of this model are more obvious, such as the low starting point of normal school students' education, insufficient knowledge of subject and educational theory, and weak educational research ability and self-development stamina. Colleges and universities are the places to train high-end talents in various fields such as science, technology and culture in China. Colleges and universities have abundant educational resources, beautiful campus environment and so on, which are suitable for cultivating all kinds of outstanding talents. Primary school teachers should not only adapt to primary education, but also lead primary education. In order to meet the needs of the times when the majority of young people change from "having a school" to "being good at school" and from a large country of human resources to a powerful country of human resources, the outline of the national medium and long-term education reform and development plan (2010-2020) puts forward the idea of establishing the post of regular higher vocational teachers in primary and secondary schools, which aims to guide primary and secondary school teachers to set a high goal of professional development, Enhance the driving force of professional development and realize the development goal of "primary and secondary school professors" through education and teaching "research" and its achievements [6]. In terms of the level requirements of various disciplines required for teaching, it emphasizes the integration at the undergraduate level, the organic integration of general courses and education specialized courses and basic courses in Chinese, mathematics, English, science, art and other disciplines, so as to create a group of excellent primary school teachers.

One of the four concepts of "ability first" put forward in "Professional Standards for Primary School Teachers" (trial implementation) promulgated at the end of 2011 defines its connotation in this way: "Combine subject knowledge, educational theory and educational practice, and highlight the practical ability of teaching and educating people; Study primary school students, follow the growth law of primary school students, and improve the professional level of education and teaching; Adhere to practice, reflect, practice again, reflect again, and constantly improve professional competence. " Two of these three articles directly point to "research" ability. "Comprehensive training" refers to the comprehensive improvement of students' quality and the comprehensive embodiment of the degree of the subject [7]. First of all, it focuses on the all-round development of students' moral, intellectual and physical beauty, the cultivation of students' moral sentiment, the transformation of knowledge to ability, and the cultivation of healthy physique and good psychological quality. The subject based model is a model to train primary school teachers for the subjects set up in primary schools. It emphasizes the existing facts of subject based teaching in primary schools and believes that professional primary school teachers should have special knowledge and skills. The poor learning development in primary school will directly affect the learning development level in secondary school, and then affect the level and type of University.. Therefore, this requires primary school educators to comprehensively master knowledge, which also puts forward requirements for the talent training of primary school education.

### **4. Characteristics of primary education professionals under the integration of industry and education**

To implement the integration of production and education, we should not only fully realize the function and significance of the integration of production and education to undergraduate education ideologically, but also recognize that production and education are the inevitable trend of the development of undergraduate education in personnel training. The practice platform of integration

of production and education is the practice platform of innovation and entrepreneurship education in colleges and universities, and it is a comprehensive multi-functional service carrier [8]. From the perspective of integration of production and education, primary education professionals have more outstanding characteristics than those trained in other modes. Primary school students are still in the immature stage, and their imitation and plasticity are special. Teachers should be experts in teaching and learning, and role models in human beings. Therefore, from the perspective of the integration of production and education, primary school teachers are mature and qualified teachers before entering the post. Only with excellent character cultivation can college graduates be competent for the task of primary education. The characteristics of primary education are very obvious and the work is very difficult. Teachers need to have many excellent and noble qualities, such as suffering, hard work, patience, kindness and so on. A kind teacher who can understand students' emotional world is a kind and reliable teacher for students. At the same time, it is also very key to help students build a sense of trust [9].

From the professional orientation, we can see that undergraduate primary education can be classified into different kinds of education, such as higher education, teacher (normal) education, professional education and academic education. Belonging to different educational categories, we can study the nature and characteristics of primary education specialty from different angles. At the stage of primary education, students' autonomous learning ability is still poor. It is a very effective teaching method for primary school teachers to adopt the methods of guiding education and attracting education under the integration of production and education. Children's diversity, information-based, materialistic living environment and diversified influencing factors determine that today's primary education and teaching methods must keep pace with the times and bring forth new ideas, and also determine that primary school teachers must have the ability to study and understand children [10]. Under the integration of production and education, primary school teachers have the ability of educational research and reflection, which is an important feature that primary school teachers trained in the higher education system are different from primary school teachers trained in secondary normal schools. Different types of talents need different colleges and different education. For many years, the training of preschool teachers has basically adopted the mode of vocational education, and college teachers must take the road of professional education and academic education. The training of primary school teachers should adhere to the educational model of the combination of Vocational and professional education

## 5. Conclusions

The training mode of primary education professionals is a training mode based on the cultivation of colleges and universities, which focuses on the cultivation of talents' personality, ability and knowledge. Cultivating primary education professionals through higher education is the only way to optimize primary education professionals. As for the specific training mode, we are still in the stage of crossing the river by feeling the stones. Only by constantly practicing, constantly accumulating experience, tracking investigation and summarizing innovation can we achieve remarkable results in training primary education majors. Take the primary school as the base and insist on serving the basic education. Train the team through social services, so that teachers and students can get fresh practical insights from the education scene, and promote the professional development of teachers and students. Only by comprehensively and deeply integrating industry and education, implementing the alternation of work and study and the combination of work and study, standardizing management, truly realizing the win-win situation between schools and enterprises, and running primary education well can we lay a solid foundation for secondary education and university education, and it is possible to provide excellent talents with all-round development of morality, intelligence, physique and beauty for the future prosperity and development of the motherland.

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