

Construction of teachers' core literacy cultivation model based on the new curriculum reform standard

Min Li, Xinyao Ma, Yufei Chen

(School of Economics and Trade, Zhengzhou University of Technology, Zhengzhou 450000, China)

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ABSTRACT: Guided by the needs of core literacy training, this paper studies the teacher training scheme and constructs a new model of teacher core literacy training. Based on the cultivation of core literacy, strengthen the cooperation and exchange with local higher education, and reshape the teacher education curriculum system. Around the core literacy requirements, a new "Trinity" teacher training model combining "teacher education, curriculum learning, second classroom and educational practice" is build.

Key word: Criterion for curriculum; core literacy, cultivation model

I. INTRODUCTION

In 2015, the Ministry of education issued the opinions of the Ministry of education on comprehensively deepening curriculum reform and implementing the fundamental task of building morality and cultivating people, which clearly expressed the educational concept requirements of "core literacy" and strengthened the training of students with "core literacy" and "adapting to the future development of society". Especially for higher education, "core literacy" is considered to be an important gene of modern educational concept, which has important theoretical and practical significance for students' self-improvement and development. To a certain extent, the emergence of the concept of core literacy does not come from one idea, but the inevitable result of the reform and development of educational concept in the new era.

The national standard for undergraduate teaching quality officially puts forward that teachers should master the basic theories of pedagogy, psychology and mathematics education, and have the basic professional quality of teachers, as well as certain teaching ability and organization and management ability. 《The opinions of the

Ministry of education on the implementation of the training plan for excellent teachers》 put forward that a large number of high-quality professional teachers with noble teachers' ethics, solid professional foundation, outstanding education and teaching ability and self-development ability should be trained. In order to adapt to the actual situation of contemporary education and teaching and ensure the quality of education, it is necessary to promote the construction and shaping of teachers' core literacy.

It is an effective way to combine the shaping of teachers' core literacy with talent training mode, but what professional literacy should teachers' core literacy include? At the same time, based on the shaping concept of core literacy, colleges and Universities - as the implementer of core literacy, how should teachers achieve professional growth? To a certain extent, the key to achieve teachers' professional development is teaching practice, enrich experience and enhance wisdom in practice. However, in the training system of some colleges and universities, the phenomenon of emphasizing knowledge rather than ability is common, and the talent training goal cannot be fully realized, which is far from meeting the connotation and requirements of core literacy. Therefore, based on the educational concept of core literacy, combined with the characteristics of disciplines and the characteristics of the times, how to cultivate outstanding teachers to satisfy the society has become the main problem faced by local normal universities. Therefore, it is urgent to study how to reform the teacher training mode and improve the core quality in normal universities.

The earliest description of core literacy in China is the term "core literacy" put forward by Wang Min in translating a paper of the former Soviet Union in 1956^[1]. After the 1990s, domestic scholars gradually began to study the connotation

and composition of core literacy. In the past decade, the research on core literacy at home and abroad has gradually increased and achieved rich research results^[2-3]. For example, the PISA evaluation in 2012 put forward a new concept of core literacy, which has been widely recognized. Subsequently, Gui and Xu also discussed and studied the core literacy, and defined the core literacy as the comprehensive embodiment of emotional attitude, values, professional knowledge and ability^[4]. The literature [5] points out that core literacy is the comprehensive ability that learners should achieve in learning, expounds the constituent elements of core literacy, and defines the connotation as emotion, attitude, values, knowledge and ability.

However, previous studies mainly focused on the connotation, constituent elements and requirements for teachers of core literacy. The aspect of teacher training only clarified the cultivation of teachers' professional skills, while the research on the cultivation of teachers' core literacy is rare. Although some universities have carried out preliminary exploration and practice, the problems and background conditions faced by the relevant research results are different, and the scope of application is also limited. Therefore, the construction of teachers' core literacy cultivation model needs to be studied urgently.

II. CONSTRUCTION OF TEACHERS' MORALITY AND STYLE EDUCATION MODEL

Guiding teachers to continuously strengthen the study of teachers' ethics and style, keep pace with the development of the times, and establish a correct world outlook, outlook on life and values. According to the needs of social development in the new era and the requirements of educational reform, we should constantly improve our personal cultivation and restrain ourselves according to the requirements of teachers' professional ethics.

Education is a social undertaking involving thousands of families. The growth of students is inseparable from the sense of responsibility and responsibility of teachers. A responsible and responsible teacher can often be liked and emulated by students. As parents of students, they prefer teachers with a sense of responsibility. It is the most reassuring thing to put their children in a responsible teacher's class. Therefore, as the leader of students, teachers should always pay attention to the ideological dynamics of students and communicate with them regularly. In life, we should care about students' learning

environment and the changes of living environment, so as to create a more appropriate learning environment. In teaching, we should not only prepare the lessons, but also prepare the students, fully consider the students' ability to accept knowledge, timely increase or decrease the teaching content and change the teaching methods. Assign appropriate homework according to different students' learning conditions.

The teaching profession has a strong demonstration. In the eyes of students, the teacher's standard is an example. There are as many students as there are teachers. Teachers are the most direct models and models on campus. In the process of shaping students' hearts, teachers' exemplary role is very important. Teachers' words and deeds, manners, clothes and even interests and hobbies will cause students' imitation and have a great impact on students. Even in the process of education and teaching, the exemplary role of teachers is the most persuasive. For example, teachers use PPT to teach. When there is no drill process, students will follow students' example and use calculators, computers and other tools. On the contrary, the teacher's stroke by stroke blackboard exercise will imperceptibly tell the students that theoretical derivation needs to be done by themselves. Moreover, the physical and mental development of every student will be affected by all teachers. As the saying goes, only when you like the teacher will you like the responsive course, and only when you like the teacher will you have a good learning effect. Therefore, teachers should coordinate, unite and cooperate in order to have a better demonstration effect on students.

To this end, teachers are encouraged to form a team, build an exchange platform, constantly run in and make common progress. In addition, teachers should pay attention to learning from students, increase their knowledge, and achieve the mutual benefit of teaching and learning. Learn from students how to teach them and how to change teaching methods. Often from the perspective of students to guide them to learn, learn to transpose thinking, the effect will be very good. Teachers should also standardize their words and deeds and establish a good teacher image. Love students, act in accordance with their words and be the same as what they say. We should not only pour love into all students, but also establish a scientific outlook on education. Don't dislike any underachievers, give positive education to students with moral shortcomings, be good at discovering students' flash points, be patient with students' mistakes, and set a good example for students in behavior and appearance.

III. CONSTRUCTION OF “TRINITY” TEACHER PROFESSIONAL SKILL TRAINING MODEL

Explore the specific requirements of core literacy cultivation for teachers' literacy from theory and practice, so as to enable teachers to establish a higher awareness of core literacy, cultivate teachers' advanced modern teaching concepts, promote curriculum reform, improve teachers' core literacy, and promote teachers' professional development and core literacy cultivation. Strengthen cooperation and exchange with local higher education, build a new “Trinity” teacher training model, improve teachers' education and teaching level, and better serve and guide local education the “Trinity” teacher training mechanism refers to the construction of a teacher training mechanism combining “teacher education curriculum learning, the second classroom and educational practice”, so as to jointly improve teachers' literacy, teaching skills and subject teaching integration ability through teacher education curriculum learning, the second classroom and educational practice, so as to further improve teachers' theoretical level and practical teaching skills, Better serve local higher education.

3.1 Construction of curriculum system for training teachers' core literacy

Based on the research results at home and abroad, taking the cultivation of teachers' core literacy as the subject and literature research and practical research as the main methods, determine the objectives, tasks and implementation methods of each stage of teachers' core literacy cultivation. Optimize teachers' teaching content and curriculum system, improve the degree of curriculum integration, strengthen the reform of higher education teaching methods, and establish a new curriculum system to meet the requirements of core literacy cultivation. Set up independent educational curriculum modules, set up a series of minor courses for higher education reform, and infiltrate teachers' vocational skill training into elective courses. On the basis of traditional teachers' professional skill training, professional teaching skill training should be added. Set up relevant skills courses. Strengthen the curriculum construction of “Putonghua” and “calligraphy”, and strengthen the systematic training of teachers in modern educational technology.

3.2 Construction of practical training model of teachers' professional skills

According to the specific requirements of core literacy cultivation, this paper studies the setting, specialization and professionalization of teachers' vocational skill training team and the decomposition and implementation of training tasks, and establishes a vocational skill training mode of “combination of local and school”.

Make full use of the micro classroom to implement the functions of real-time digital video recording, digital audio and courseware on demand, electronic patrol and class listening, without interfering with teaching evaluation and observation, so as to ensure the effectiveness of teachers' professional skill training. At the same time, professional teachers' professional skills training team shall be established to decompose the overall objectives layer by layer and implement them to the specific responsible person according to the tasks undertaken by various courses in the training. By inviting famous teachers and excellent counselors from local colleges and universities to guide teachers' basic teaching skills, counselors' working methods and educational research methods. Excellent senior teachers are employed as part-time tutors of teachers. Through hand-in-hand teaching and repeated training, the effect of teachers' drill in the school is ensured. Enrich the second classroom of teacher training, introduce skills training such as Putonghua display, three stroke competition, simple teaching aids production, speech competition, micro teaching, multimedia courseware production and teaching display into the training, implement the 20 minute speech system before class, and adhere to the combination of conventional training methods and modern teaching technology. Hold various professional skills competitions for teachers, such as three strokes competition, poetry reading competition, debate competition, teacher skills competition and so on. At the same time, front-line education researchers and famous teachers in Colleges and universities are invited to teach observation courses, serve as instructors and judges of various education and teaching competitions, guide teachers' classroom teaching skills training, and ensure the training effect.

3.3 Construction of "bilateral cooperation" educational practice model for teachers

In order to ensure the effect of teachers' practice, promote the effective cooperation between colleges and universities and local practice schools, and build a practice platform to jointly guide the practice of training teachers, and the "bilateral cooperation" educational practice guidance method. By employing the backbone teachers of the practice base school as the practice instructors of the training teachers, they give one-to-one guidance in

classroom teaching (including lesson preparation, teaching plan specification, teaching methods, teaching process, blackboard writing design, homework correction, etc.), class management and educational investigation practice, and carry out shadow teaching. Let the intern teachers have a deeper feeling about the education and teaching methods of excellent teachers. College teachers and teachers of the internship base act as the internship appraiser together, summarize and evaluate the internship work of interns, timely carry out the achievement exhibition of excellent interns, show the teaching skills of lectures and education, and accept the education investigation report. The implementation of the "bilateral cooperation" educational practice mode has made the original teacher training mechanism from closed to open, greatly improved the effectiveness of practical teaching and teacher vocational skill training, ensured the quality of students' educational practice and practice, and effectively solved the problem of poor teacher practice effect.

IV. CONCLUSION

Combined with the curriculum reform standards of higher education and the requirements for the cultivation of teachers' core literacy, this paper interprets the concept of "core literacy", and analyzes the problems existing in the current teacher training process from two aspects of teachers' professional skills training process and teachers' ethics and style, And targeted construction of teachers "ethics and style of teaching" education model and "Trinity" teachers' professional skills training mechanism. This paper constructs the education model of "teachers' morality and style" from four aspects: establishing correct values, cultivating teachers' sense of responsibility, standardizing words and deeds and strict guarantee mechanism the "Trinity" teacher professional skill training mechanism is to build the curriculum system for teachers' core literacy training and school exercise strategy, create a new model of teachers' professional skill daily training and professional skill competition and a "bilateral cooperation" educational practice model, jointly promote teachers' educational and teaching skills and enhance the cultivation of teachers' core literacy through multi-party cooperation.

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REFERENCE

- [1] Yanchun Xing. Research on the evaluation and assessment mechanism of College Students' core literacy [J]. Journal of Changchun Normal University, 2017, 36 (12): 119- 123.
- [2] Qingyan Han. The path of improving teaching practice ability directed by subject core literacy [J]. China Adult Education, 2018(24): 88-91.
- [3] Yanhua Ren. Organic connection between core literacy and discipline core literacy [J]. Journal of The Chinese Society of Education, 2016 (S2):74.
- [4] Dehuai Gui, Bingyan Xu . On the connotation of mathematical literacy[J] . Journal of Mathematics Education, 2008,17(5) : 22-24 .
- [5] Yunpeng Ma . Some problems about core literacy [J] .Curriculum, Teaching Material and Method, 2015,35(9) : 36-39.