

Some Thoughts on the Path of Teaching Reform and Innovation

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Abstract: The purpose of this paper is to explore the path of reform and innovation of teaching mode. By analyzing where the teaching reform and innovation is new, what is the priority of teaching reform and innovation, and the application of the actual emerging network channels, some specific reform and innovation paths are proposed. Through these reforms and innovative thinking, we will continuously improve the quality of teaching, cultivate students' practical ability and innovative thinking, and better adapt to the needs of social development.

Keywords: Reform and innovation; Path research

In the report to the 20th National Congress of the Communist Party of China, President Xi Jinping emphasized: "Education, science and technology, and talents are the basic and strategic support for building a modern socialist country in an all-round way. We must adhere to the principle that science and technology are the primary productive forces, talent is the first resource, and innovation is the first driving force, thoroughly implement the strategy of rejuvenating the country through science and education, the strategy of strengthening the country with talents, and the strategy of innovation-driven development, open up new fields and new tracks for development, and constantly shape new momentum and new advantages for development." It is the first time that the "trinity" of education, science and technology, and talent has been arranged in the report of the party's national congress, and in particular, it has been placed in a prominent position after the discussion that "high-quality development is the primary task of building a modern socialist country in an all-round way", which profoundly demonstrates the overall requirements and key tasks of strengthening the support of talents for modernization in the implementation of the strategy of rejuvenating the country through science and education.

1. Where is the "new" in teaching reform and innovation?

Innovation is the main theme of the times and the starting point of education reform. Where is the main "new" of teaching reform and innovation, I think there are four main aspects:

First, in terms of teaching objectives, "new" emphasizes moving from the knowledge-based to the core literacy-based, and establishes the teaching objectives based on the core literacy. The teaching goal is the direction, purpose, program, and commander of teaching. Establishing teaching objectives based on core literacy is the first premise and foundation for establishing new teaching. From knowledge to core literacy, China's curriculum reform has gone through three stages: from the "double base" standard (basic knowledge and basic skills) to the "three-dimensional goal" standard (knowledge and skills, process methods, emotional attitudes and values) and then to the "core literacy" standard (values, character, ability). Whether it is the Trinity teaching goal that emphasizes the achievement of emotional attitudes and values, or the implementation of curriculum ideology and politics, we all regard the knowledge that can form core literacy as the most valuable.

The second is in the relationship between teaching and learning, at present, we always say that less teaching and more learning (this is from the content or duration), learning first and then teaching (this is from the timing or logic), teaching unity (this is from the principle or purpose), teaching and learning (this is our pursuit of the goal or the pursuit of the realm, from the ultimate goal), these sentences are actually similar, but the first two are the means, the latter is the goal we want to achieve, the "new" here emphasizes that teaching has begun to move towards learning-oriented, the establishment of learning center classrooms.

Third, in terms of learning methods and paths, it emphasizes moving from "sitting and discussing" to practice, and constructing

a practical way of educating people. The teaching form of sitting and discussing is based on “listening, understanding, memorizing, reciting, homework, reviewing, brushing questions, and exams”, while the practical education method is characterized by “physical participation” and “personal experience”. From a pedagogical point of view, it is from knowledge to experience. In the practical education model, subject knowledge is not directly supplied, but indirectly supplied in the form of situations, problems, tasks, and projects, and only when students enter the situation, face problems, complete tasks, and execute projects, can they face knowledge, discover knowledge, and acquire knowledge. To put it simply, students must learn by going deeper, solving problems, doing, using, and doing, and learning through “physical participation” and “personal experience” (practice). The process of acquiring knowledge in this way is tedious and even half the effort, but it allows students to truly feel the source and background of knowledge, experience the usefulness and value of knowledge, and develop the ability to apply what they have learned, while appreciating the joy of exploration and discovery, and forming self-confidence in learning. This is the core literacy cultivation we pursue.

Fourth, in the organization of knowledge content, it emphasizes moving from knowledge points to big concepts, promotes the teaching of large units and large themes, teaches students a series of methods, and masters the ability to deal with all problems of the same kind.

2. Teaching reform and innovation Teaching is “first”

As the main channel for cultivating outstanding talents, no matter what kind of reform is carried out, teaching is the most important, all reform and innovation are based on teaching, we must keep the main position of classroom teaching, and supplemented by the sub-position of online classroom, second classroom, and social classroom, in order to lay a good foundation for moral cultivation.

It is necessary not only to cultivate the courage to speak, but also to enhance the pride that can speak. First of all, the lecturer should truly understand the advanced theory, convey the content to the students in a way that the students can accept, and on this basis, update and optimize the teaching plan courseware and improve the innovative teaching methods. Secondly, it is necessary to make good use of easy-to-understand language that students can understand and keep up with, so that students are easy to accept, easy to digest, and easy to enter the brain, and be good at explaining in combination with the people and things around them, so as to avoid pure theoretical indoctrination. Adhere to the link between theory and practice, so that students can really use theory to think, analyze, and solve problems encountered in real life, which is also the process of entering the brain and heart. In the course of teaching, it is necessary to pay attention to collecting the doubts of the students in the learning process, closely combine the hot spots of current affairs that the students are concerned about with the key points of theory, start from the interests of the students, integrate what they want to talk about with what the students want to hear, explain the profound theories thoroughly in simple terms, make the students agree with and accept them, and use the ideas and methods contained in the party’s advanced theories to solve specific problems in real life.

3. Make good use of a variety of efficient online classes

Teaching reform and innovation is inseparable from the development of informatization and intelligence, keeping up with the needs of the current era, information technology is changing with each passing day, and the network has become an indispensable and important content of students’ learning and life, and is the main channel for students to obtain knowledge and information. For colleges and universities, keeping up with hot spots and improving teaching effectiveness through information networks is an effective extension of classroom teaching.

Online courses are not only limited to live lectures on campus, but also allow students to learn according to their own interests, so that students from different schools, majors and grades can share learning experiences and exchange learning experiences. Online courses provide a wealth of valuable learning materials. Compared with the traditional teaching mode, web-based learning has more teaching information resources such as materials and courseware, and the learning environment is more knowledgeable and interesting, which is a supplement to the traditional classroom. Compared with the traditional teaching mode, the online classroom has a more significant feature is that it is conducive to stimulating students’ interest in independent learning, the online classroom is no longer completely dependent on the instructor, you can find resources by yourself, independent learning, in the process of independent learning, students actively think, easy to have their own views on current affairs, it is easier to cultivate students’ ability to solve practical problems in real life, in other words, it is more conducive to the theory into the mind, the theory into action. In addition, online classes can break through the limitations of geography and time, which is convenient for students to use fragmented time for learning and arrange their learning time more reasonably.

With the help of online classes, teachers can show the teaching of knowledge and the transmission of emotions in the classroom in a more colorful form, eliminating the need to write board books, and the teaching is highly targeted and the time utilization rate

is high. Students can focus more on the understanding of knowledge points during class, and they can also leave a message at any time for questions they don't understand, and get answers in a timely and convenient manner. The playback function of online classes enables students to learn the teaching content repeatedly, which is of great help to grasp the key points of teaching and solve difficult problems. But in the same way, the network is a "double-edged sword", correct guidance and Q&A are indispensable, and the positive guidance of the instructor can avoid bias and detours when students learn to understand the problem.

For colleges and universities, they can start with the smart classroom recording and broadcasting class, the university MOOC platform, and the consulting service section of the school's official website to broaden the channels for teaching. With the good use of the smart classroom recording and broadcasting classes, students can repeatedly and conscientiously study the excellent courses of the teachers in the class and the excellent teachers of the school, so that the effect of learning and education is more in-depth and the foundation is solid. Make good use of the consultation section of the official website, which is the main way to solve the Q&A guidance, and use the characteristics of anonymity, equality and interactivity of the network to build a bridge of communication between students and instructors, so that students can independently express their own opinions and opinions, and instructors can also have a clearer understanding of students' mastery in students' remarks, as well as the most authentic feedback on the classroom teaching effect.

For teachers, it is necessary to continuously improve teaching methods on the premise of good classes, which requires teachers to have a solid theoretical foundation and be good at integrating rich teaching resources into the classroom. Cultivating the core quality of students, deepening the teaching reform is the trend of the times, China's teaching reform practice shows that the successful teaching reform of any school is not achieved overnight, have experienced a difficult start process, which requires a long practice, but we not only have confidence, but also have a firm belief in the completion of the teaching reform as the center of the work through practical and effective teaching reform strategies.

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