

A Study on Cultivating Teachers' Innovative Capability in the Context of Educational Informatization

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Abstract: With the rapid development of educational informatization today, the strength of teachers' innovation ability is directly related to the improvement of education and teaching quality. Through the analysis of the current situation of teachers' innovation ability cultivation under the background of educational informatization, this paper puts forward a series of targeted training strategies, aiming to improve teachers' ability of educational technology application, innovation ability and teaching practice ability, so as to promote the innovation and development of education and teaching.

Keywords: Education informatization; Teachers; Innovation ability; Training

Foreword

With the rapid development of information technology, educational informatization has become an important development trend in the field of education. In this context, teachers need to have solid professional knowledge, master advanced information technology, and be able to flexibly use it in teaching, so as to stimulate students' interest in learning and improve the teaching quality. However, there are still some deficiencies of teachers in the application and innovation ability of educational technology, which restricts the in-depth development of educational informatization to some extent. Therefore, how to cultivate teachers' innovation ability has become an urgent problem to be solved in the current education field. Through an in-depth analysis of the current situation of teachers' innovation ability training, this paper finds that the main problems include the uneven application ability of teachers' information technology, the imperfect training mechanism of innovation ability, the unreasonable allocation of teaching resources and the backward education evaluation system. In view of these problems, this paper puts forward a series of targeted training strategies, aiming to help teachers improve the application ability of educational technology, innovation ability and teaching practice ability, and then promote the innovation and development of education and teaching.

1. The value of cultivating teachers' innovation ability under the background of educational informatization

Under the background of educational informatization, the cultivation of teachers' innovation ability is particularly important. The cultivation of this ability has a direct effect on promoting the improvement of teachers' teaching skills and level, and has a far-reaching significance for the reform and development of the whole education system. With the rapid development of information technology and its wide application in the field of education, the traditional education mode has been difficult to meet the needs of modern society for talent training. Therefore, teachers, as the leader in the process of education, must have innovation consciousness and innovation ability in order to adapt to the development trend of education in the information age. By cultivating teachers' innovative ability, teachers can better integrate information technology with teaching content, innovate teaching methods and means, and provide students with a richer and more diversified learning experience. The cultivation of teachers' innovative ability can also stimulate students' interest and enthusiasm in learning. In the information age, students have more extensive channels to obtain information, and their demand for knowledge is more diversified and personalized. By innovating teaching methods and means, teachers can be closer to the actual needs of students, meet students' learning interest and curiosity, so as to stimulate students' learning motivation and creative potential. The cultivation of teachers' innovative ability is also of great significance for improving the quality of education.

The educational innovation under the background of educational informatization includes the innovation of teaching means, teaching idea and teaching content. By cultivating innovative ability, teachers can constantly explore and practice new teaching concepts and methods, promote the update and improvement of educational content, so as to improve the quality of education, and cultivate more talents with innovative spirit and practical ability for the society.

2. Cultivation of teachers' innovation ability under the background of educational informatization

In the context of educational informatization, although we know the importance of cultivating teachers' innovation ability, we are still faced with a series of problems in practice. First of all, teachers' acceptance and application ability of information technology are uneven. Some teachers may have a conservative attitude towards the emerging information technology due to their age, habits or technology fear, and it is difficult to actively integrate it into their teaching. This limits the cultivation of teachers' innovation ability, and also hinders the in-depth development of educational informatization. Secondly, there is a lack of effective innovation ability training mechanism. At present, many schools still focus on the improvement of teaching skills in teacher training and development, while ignoring the cultivation of innovation ability. Even if there is some training on innovation ability, it is often not systematic and targeted, and it is difficult to really stimulate the innovation potential of teachers. Thirdly, the unbalanced distribution of teaching resources is also an important factor restricting the cultivation of teachers' innovation ability. In some low-resource areas and schools, teachers may not be able to obtain enough support and resources to explore and practice new teaching methods and means, which undoubtedly limits their ability to innovate. Finally, the educational evaluation system also restricts the cultivation of teachers' innovation ability to some extent. The traditional educational evaluation system often pays too much attention to students' academic performance, and ignores teachers' teaching innovation and practice. This evaluation method is easy to make teachers have a conservative attitude, unwilling to try new teaching methods and means.^[1]

3. Training strategy of teachers' innovation ability under the background of educational informatization

3.1 Improve teachers' technical ability

With the rapid development of information technology, teachers must constantly update their knowledge reserve and master the advanced educational technology. This is only to learn how to use new teaching tools and platforms, but also to understand how information technology is deeply integrated with the teaching content to create a more attractive teaching environment. To this end, teachers should be provided with systematic technical training to help them master various teaching software, online learning platforms and multimedia production tools. At the same time, teachers are encouraged to actively apply these technologies in daily teaching, and constantly improve their technical ability and innovative thinking through practice. In addition, technical exchange meetings, teaching observation and other activities can be held to provide a platform for teachers to learn from each other and make progress together, stimulate their enthusiasm for technological innovation, and then promote the improvement of the technical ability of the whole teachers. This promotion can help teachers to better adapt to the development trend of educational informatization, and can also provide strong technical support for their innovation in teaching methods and means.^[2]

3.2 Establish a capacity training mechanism

Under the background of educational informatization, it is very important to establish a systematic training mechanism of teachers' innovation ability. The establishment of this mechanism aims to stimulate teachers' innovative thinking, improve their teaching practice ability, so as to adapt to the changing educational environment. In order to achieve this goal, it is necessary to build a comprehensive and multi-level training system from multiple levels. Special innovation ability training courses should be set up, and teachers should be guided to deeply understand the concept and methods of innovative teaching based on the development trend of educational informatization. Through regular organization of teaching observation, case discussion and other activities, teachers can provide a platform for practical communication, so that they can draw inspiration from the interaction and broaden their teaching ideas. At the same time, incentive mechanisms should also be established, such as the establishment of innovative teaching awards, to encourage teachers to have the courage to try and innovate in teaching practice. Innovation ability should be incorporated into the teacher evaluation system as an important factor for teachers' career development, so as to further stimulate teachers' enthusiasm for innovation. Through these measures, teachers' innovation ability can be systematically improved, and the teaching reform and development under the background of educational informatization can be promoted. In the process of constructing this training mechanism, we should also pay attention to cultivating teachers' awareness of independent learning and sustainable development. By providing rich

learning resources and guidance, teachers can be helped to establish a learning path of self-improvement, so that they can continue to grow in the wave of educational informatization and become educators with highly innovative ability. In this way, it can improve the teaching quality of teachers, provide strong support for the comprehensive development of students, and jointly promote the progress of education.^[3]

3.3 Reform of the education evaluation system

The traditional educational evaluation system often focuses on students' academic performance, and ignores the comprehensive evaluation of teachers' teaching innovation and practical ability. In order to stimulate the innovation potential of teachers and promote the development of education informatization, it is necessary to comprehensively reform the education evaluation system. The evaluation system should pay more attention to the teachers' teaching innovation and practical ability. In addition to students' academic performance, teachers' innovative practices in teaching design, teaching methods and teaching resources utilization should also be considered. This kind of evaluation can encourage teachers to constantly try new teaching ideas and means, so as to improve their innovation ability. The evaluation system should be more diversified and personalized. Different teachers have different teaching styles and specialties, so the evaluation system should be able to fully consider the teachers' personality differences, and provide them with personalized evaluation standards and guidance. At the same time, the evaluation system should also encourage the cooperation and communication among teachers, and promote the sharing of teaching experience and the collision of innovative thinking. The evaluation system should pay more attention to students' feedback and participation.

The evaluation system should establish an incentive mechanism to encourage teachers to innovate actively. Teachers who have shown outstanding performance in teaching innovation should be given corresponding awards and commendations to stimulate their enthusiasm for continuous innovation. At the same time, schools and education departments should also provide teachers with the necessary support and resources to help them overcome the difficulties and challenges in the innovation process. In short, the reform of education evaluation system is an important strategy to cultivate teachers' innovation ability under the background of education informatization. By building a more scientific, comprehensive and personalized evaluation system, it can better stimulate the innovation potential of teachers and promote the in-depth development of educational informatization.

Epilogue

And the cultivation of teachers' innovation ability under the background of educational informatization is a systematic project, which requires the joint efforts of the government, schools, teachers and all aspects of society. The government should increase the investment in educational informatization and provide necessary financial and technical support to the school; the school should establish a perfect innovation ability training mechanism and provide systematic training and guidance for teachers; teachers should actively learn and master advanced information technology and actively explore and innovate teaching methods and means; the society should create a good innovation atmosphere and encourage and support the teachers' innovative practice. Through the joint efforts of all aspects, we believe that teachers' innovation ability will be significantly improved, and then promote the innovation and development of education and teaching.

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