

# Research on the training method of principal's informatization leadership based on Internet thinking

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**Abstract:** *In recent years, China's e-education has developed rapidly, the construction of e-education has made remarkable achievements, and the process of e-education has entered a new stage of innovative development. In contrast, China's informatization leadership construction is relatively backward and cannot adapt to the rapid development of education informatization, which restricts the further improvement of informatization application level and hinders the process of education informatization. Therefore, in order to adapt to the current development speed of education informatization, it is necessary to improve the informatization leadership of principals. Starting with the basic characteristics of Internet thinking, this paper expounds the connotation of the headmaster's informatization leadership, analyzes the necessity of cultivating the headmaster's informatization leadership, and discusses in detail the research on the training methods of improving the headmaster's informatization leadership from three aspects: improving their own information literacy, giving full play to the influence of individuals and teams, and improving the training system of the headmaster's informatization leadership. Finally, I hope that the school education informatization can be implemented smoothly, and all teachers, students and employees, especially school administrators, must grasp the opportunities and meet the challenges.*

**Keywords:** *Internet thinking; Principals; Information Leadership; Training Methods*

## 1. Introduction

With the continuous development of sci & tech, great changes have taken place in all walks of life, and the education industry is no exception. Due to the continuous progress of e-education and the constant strengthening of the digitalization of e-education, the external environment and internal conditions of schools have changed accordingly. To lead the development of the school, principals need to change their conventional thinking and implement educational information decision-making management [1]. Since 2002, elementary and middle schools across the country have started to promote information technology education, and at the same time, the national financial department has further increased its investment in information-based educational facilities in elementary and middle schools, proposing that the development of educational information in China should be in line with international standards as soon as possible. In the construction of e-education, the principal, as the leader of the development of school education, plays an important role in decision-making and execution, and his informatization leadership greatly affects the development prospect of school informatization education. It has become a problem that the society and the country have to pay attention to to improve the leadership of principals' information management.

Educational informationization is an effective way to optimize educational structure, reasonably allocate educational resources, promote educational equity, improve educational quality, and realize the harmonious development of educational science. It is an inevitable requirement to promote quality education and cultivate innovative talents. It is the only way and important symbol of educational modernization. However, the relevant research on the informatization leadership of elementary and middle school principals in China is not rich enough. The construction of education informatization leadership is relatively weak and cannot adapt to the rapid development of education informatization, which affects the scientificity of education informatization decision-making and restricts the further improvement of the application level of education informatization. At present, the relevant research mainly focuses on the concept and connotation of principals' information-based leadership, the development and evolution of principals' information-based leadership at home and abroad, the effectiveness of principals' information-based leadership, and the influencing factors of principals' information-based leadership. Most of the relevant research takes principals as the direct research

object to explore principals' information-based leadership. In the context of educational reform and development, people have gradually realized the important role of e-education leadership. In response to the current situation that my country's informatization leadership construction and education informatization construction do not match, my country has successively held national academic seminars on principals' informatization leadership, in order to arouse the attention and attention of all parties to informatization leadership. So as to promote the construction and development of the informatization leadership of our principals [2].

## 2. The connotation of the principal's informatization leadership based on Internet thinking

### 2.1. Internet thinking characteristics

At present, the Internet thinking recognized by the industry includes: user thinking, grassroots thinking, extreme thinking, simple thinking, big data thinking, iterative thinking, traffic thinking, social thinking, cross-border thinking, platform thinking, etc[3]. Since 2013, the network giants, relying on their monopoly position in the network entrance, have made use of their mature information systems, a large number of user resources and flexible business models. Once they make efforts in the field of online education, they will immediately attract widespread attention in the industry. With the continuous development of Internet education and teaching, the market of Internet education and teaching has rapidly formed and matured, and the market rules have begun to deeply connect people to the development and operation of Internet education and teaching. The spirit of "openness, equality, customer first, sharing and cooperation" in Internet thinking has been applied to the informatization of colleges and universities, and the actual effect of informatization has been practically enhanced. The establishment of Internet thinking is crucial to the information construction of open universities. Due to the continuous progress of Internet, educators in open universities should keep learning to adapt to the constant changes of Internet thinking.

### 2.2. The connotation of headmaster's informatization leadership

Principal's informatization leadership refers to the principal's ability to deeply integrate the basic technology of e-education with teaching resources in the process of school leadership and teaching, so as to realize the leap-forward development of school education and teaching. Actually, the principal's leadership ability is a comprehensive influence recognized by teachers and students, and it is the joint force of school development. The level of the principal's information leadership ability often determines the level of school education and the future and fate of the school's final development. What needs to be pointed out is that the information leadership of principals is not an independent and new type of leadership, but a kind of leadership ability that principals should possess in order to adapt to the development of society and schools and promote educational reform and innovation, and it is an important part of the whole leadership of principals. To improve the information-based leadership of principals requires schools to disclose information resources and human resources. This is the basis for enhancing the governing ability of Chinese school principals, improving the efficiency of social resource utilization, and promoting the overall development of elementary and middle schools, so that principals become more mature and confident. The ability to move forward in a direction and to be able to communicate positively with team members [4]. Figure 1 is the framework of information leadership research.

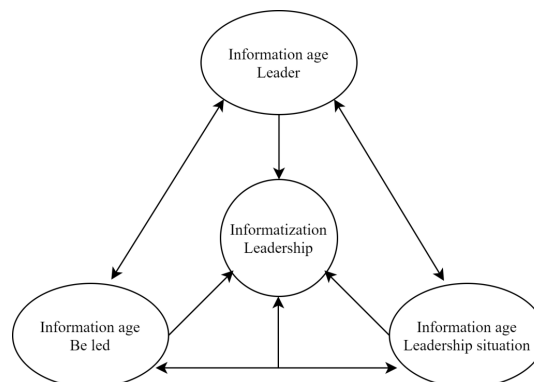


Figure 1: Framework of the research on information leadership

### 3. The necessity of cultivating the headmaster's informatization leadership

Due to the continuous progress of social informatization and networking, sci & tech are changing rapidly, and the learning society based on knowledge economy is moving forward. The era of rapid development and continuous change has accelerated the process of educational reform. The headmaster is facing more and more challenges and pressures. Only continuous learning is the only way out for the headmaster. At present, although many principals pay attention to the information construction, most of them are not information technology majors, and their information technology professional quality is not high. In addition, during the implementation of information technology, the hardware and software are changing rapidly, and the educational environment and conditions are changing. The principals generally feel that they are a little behind the times. The campus is the practice place of the principal's leadership. Principal's informatization leadership has a great influence on the improvement of teachers' teaching ability in the whole school. Principal's informatization leadership is a powerful driving force for the construction and development of school informatization, and it is also the inherent requirement of principal's professional development in the information age[5]. Due to the continuous progress of e-education, the information leadership of principals has directly affected the development and deep application of school e-education, and the educational reform and development of schools put forward higher requirements for principals.

The principal is the leader of the school's development and a role model for teachers and students in the school. Pay attention to the impact of words and deeds on teachers, production and students. The principal must strengthen learning, improve the educational concept of information-based leadership, master the acquisition and effective use of resources, and master the Modern educational technology serves the way teachers and students teach and learn. To strengthen the team building of principals, promote the professional development of principals, and promote the development of school informatization, the first measure is to cultivate and enhance the informatization leadership of principals. If the principal does not have the correct concept of e-education development and good informatization leadership, he will not be able to face the challenges brought by e-education with a positive attitude, nor can he establish a good development and construction mechanism and take correct actions in the school[6]. Therefore, under the background of the information age, the principal must establish the concept of lifelong learning, strengthen learning awareness and innovate learning methods; The professionalization of principals requires elementary and middle school principals to constantly improve their own thinking and working methods, and enhance their competence and leadership in education and teaching. Only through the improvement of their learning ability and leadership can they further grasp the development law of informatization, carry out informatization learning for school teachers and students, promote the informatization development process of schools, and promote educational reform and development. As shown in Figure 2, The structural flow diagram of learning information leadership.

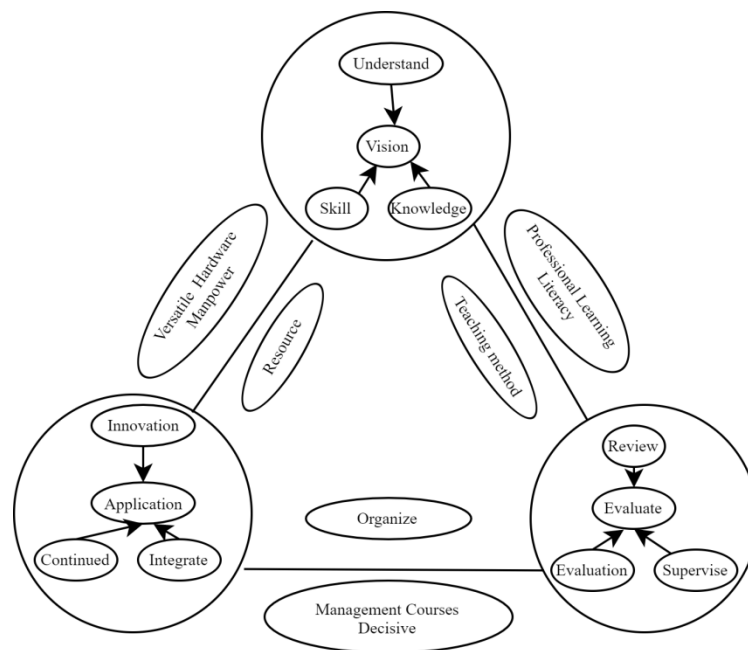


Figure 2: The structural flow diagram of learning information leadership

#### **4. Research on the training mode of information-based leadership promotion of principals**

##### ***4.1. Improve your information literacy***

The construction and development of school informatization is a complex and continuous process, and the measures and means to improve the informatization leadership of principals cannot be immediate. Improving the information leadership of principals is a long-term and systematic project, which requires the efforts of principals to continuously improve their information literacy. Principals should focus on the new direction of future education, grasp the new characteristics of information technology, guide the practice of information technology application, and make their own information literacy really play an active role in promoting the application of information technology in schools. At the same time, principals should pay attention to the improvement of their own information literacy, stand on the commanding heights of information technology, and grasp the essence of information-based education by updating school education and teaching concepts, school management methods, etc., and exert their information literacy to the majority of teachers and students. The principal's self-cultivation to improve his informatization leadership should not only enhance his awareness of information application through continuous learning, but also actively participate in training through practice, extensive exchange and interaction, take the opportunity to form and improve the basic vision of the informatization development of the school, improve his informatization leadership and strive to enhance his information technology ability[7]. Therefore, principals should give full play to their leading role, actively learn and master basic information technology skills, use information technology tools, and drive teachers and students with their own practical actions in daily work and life.

##### ***4.2. Give full play to personal and team influence***

The position and influence of a principal in the school is self-evident. It exists as a task respected by the teachers and students of the school. The informatization leadership of school principals includes not only the informatization leadership of the principals themselves, but also the informatization leadership of other members of the school. It is a kind of team ability. Confucius said, "if three people walk together, there must be my teacher." A good principal must be an excellent teacher with strong ability, wide range of knowledge and creativity[8]. Therefore, in the face of the challenges posed by the information age, principals can neither fear nor escape. The principal should build up confidence, the school should exert its excellent leadership and organizational skills, set up an "information technology innovation team", give full play to the influence of the team, and realize the influence on the majority of teachers and students through the influence of this excellent information technology team. Constantly find problems and solve problems in the implementation process of informatization, and gradually realize the purpose of normal development of education informatization. The main purpose of team building is to better manage and utilize the tangible resources of school informatization, so that the tangible resources of informatization can serve teachers and students, and make the cooperation of teachers and staff more unimpeded.

##### ***4.3. Improve the training system of principals' informatization leadership***

In addition to the self-improvement of principals, the higher education administrative department of the school should provide external support for principals to improve information leadership, create favorable conditions, and establish and improve the training system and evaluation mechanism of principals' information leadership. The most effective way to improve the information concept of principals is to organize principals to carry out relevant information training. With regard to the content of information leadership training for principals, we should focus on information concept training courses, supplemented by skills training, and at the same time take into account the knowledge of pedagogy and management, so as to train principals' information leadership from a comprehensive perspective. In addition to the self-improvement of principals, the higher education administrative department of the school should provide external support for principals to improve information leadership, create favorable conditions, and establish and improve the training system and evaluation mechanism of principals' information leadership. The most effective way to improve the information concept of principals is to organize principals to carry out relevant information training[9]. With regard to the content of information leadership training for principals, we should focus on information concept training courses, supplemented by skills training, and at the same time take into account the knowledge of pedagogy and management, so as to train principals' information leadership from a comprehensive

perspective.

## 5. Conclusions

The informatization leadership of principals will become an important issue to promote the development of education informatization and a new commanding point for the development of schools. In order to conform to the development trend of the times and keep up with the pace of the times, we must cultivate talents who can adapt to the modern and information society, and we must carry out the construction of e-education. The core of e-education construction is school teaching informatization. As the leader of school information education, the principal plays a very important role in the implementation of school education information. It calls on principals to grasp the historical opportunity of the great development of e-education, continuously improve the informatization leadership, lead the reconstruction and sharing of school resources, and expand the equal, open and free digital space and time. The information-based leadership of principals is a complex and arduous task, which puts forward higher requirements for principals. Only by improving the informatization leadership of principals can we ensure the smooth implementation of school education informatization[10]. Therefore, exploration and research in this area must be carried out to ensure the perfect implementation of national education informatization construction. Informatization is both an opportunity and a challenge for the reform and development of schools. All teachers, students and staff of the school, especially the school administrators, must seize the opportunity and meet the challenge.

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