

# Research on the promotion strategy of principal informatization leadership based on meta-analysis

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**Abstract:** *With the introduction of Internet + education and the continuous reform of educational informatization in my country, the informatization leadership of principals faces new challenges. Therefore, the training to improve the information leadership of primary and secondary school principals has received more and more attention. The principal's information technology literacy can have a direct positive effect on its information planning ability, information management ability, and information evaluation ability, and the principal's information planning ability can have a direct positive effect on its information management ability. , the principal's information leadership has a direct positive effect on relationship performance, strategic performance and task performance. Among them, information leadership has a greater direct impact on relationship performance; with the deepening of education information projects Advancement, new terms, new methods, and new technologies such as micro-courses, WeChat, flipped classrooms, MOOCs, cloud computing, and big data are constantly impacting our traditional education and teaching concepts, followed by the teaching environment, teaching content, Transformation of teaching evaluation methods and innovative talents training mode. The principal is the key. Informatization leadership is one of the necessary qualities of the principal, and it is a comprehensive reflection of the informatization work ability.*

**Keywords:** *Meta analysis; Principal informatization; Leadership; Research on promotion countermeasures*

## 1. Introduction

Principals' informatization evaluation ability has a direct positive effect on their informatization management ability and informatization planning ability, and principals' informatization management ability and informatization evaluation ability have a direct positive effect on their leadership effectiveness [1]. Based on the data analysis results, the relationship performance of principals has a direct positive effect on strategic performance and task performance. Principals' strategic performance has a direct positive effect on task performance [2]. The principal is not only the executor of school management, but also the academic leader and the promoter of educational scientific research [3]. In this role, the original function of school management continues to be retained, leading school teaching and constantly looking for ways to improve the quality of school teaching has become an important function of the principal. The information leadership of the principal can not only directly affect the overall information construction level of the school, but also indirectly affect the application effect of educational technology for teachers at the front line [4]. The principal is the decision maker of the school, and his educational thoughts and ideas directly affect the promotion and development of various undertakings of the school. To some extent, under the background of the deep integration of education and informatization, the informatization leadership of principals directly affects the development of educational informatization.

## 2. Theoretical basis and concept definition

### 2.1. Leadership and Principal's Informatization Leadership

When understanding leadership, we should realize that the role of force is mutual, and leadership is actually a kind of mutual influence and interaction. As the helm of school education, teaching and management, the principal's level of informatization leadership directly determines the quality and development of school education informatization [5]. The informatization management ability of the principal usually includes the principal's ability to drive the modernization of school management with

informatization and integrate modern information technology means with educational management concepts; individual factors are particularly important, and individual ability is not only the structural component of the principal's work performance, but also its very important influencing factor. With the continuous improvement of the degree of technology in the modern educational environment, teachers incorporate new technologies into their professional knowledge structure, and have the ability to flexibly use information technology to design, organize and implement teaching, which has become the key point of education for teachers' ability in the context of the information age. The new requirements put forward [6]. The blended learning theory and constructivism provide the theoretical basis and support for the principals to carry out the principal's informatization leadership training in the blended learning environment. The ability to measure the development status of the school, and to evaluate and measure education, teaching and teaching management.

## ***2.2. Core concepts and theoretical basis***

By summarizing the literature in the field of leadership research, it can be seen that scholars generally understand leadership as a kind of ability or the resultant force of various interrelated forces and the process of force acting on the group. However, in essence, leadership is to realize the vision of leadership. Knowledge is acquired by learners in a certain learning context, based on rational use of learning materials and mutual communication, through active meaning construction, rather than taught by teachers [7]. Information leadership is a sub-concept of leadership, which is the extension of the concept and connotation of leadership under the background of information. However, as a new element of education, educational informatization cannot be rapidly integrated into the education and teaching ideas of principals, and their understanding of educational informatization is not deep enough. From the perspective of teacher evaluation, structural equation model analysis is carried out on the influence mechanism of middle school principals' informatization leadership and principals' leadership effectiveness. In order to analyze and test the independent variable between the information-based leadership of middle school principals and its leadership effectiveness, the personal ability of principals will have a great impact on their work performance [8]. In the era of "Internet + education", the principal's work performance inevitably involves many work links in the development of school informatization. Both from the theoretical level and empirical research have accumulated relatively rich experience. From the perspective of research direction, the researches on principals' informatization leadership mainly focus on the theoretical research of principals' informatization leadership and the evaluation standard of principals' informatization leadership [9].

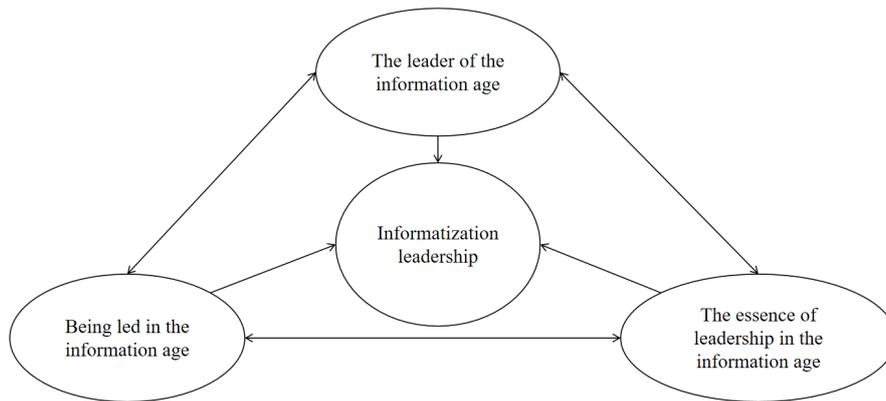
## **3. Improve the information leadership of principals**

### ***3.1. Connotation of information leadership of principals***

It is indisputable that informatization promotes the development and reform of society, as well as the reform of education and schools. The work of education informatization is not in place, can not find the starting point, the phenomenon of informatization for informatization is serious, "star project" "follow the trend" phenomenon is obvious; Lack of overall awareness of informatization [10]. In the context of educational informatization, it remains to be further explored how the information leadership of principals plays on their leadership effectiveness and what correlation mechanism exists between different aspects of the information leadership of principals. From "principal leadership" to "principal information leadership", principal leadership is facing the change of times and structural transformation. The information leadership of principals has become a new topic in the research of principals' performance improvement. The principal should always keep in mind his responsibility, establish a shared vision, and constantly reflect on it. In the aspect of improving the professional development of education informationization, the principal should give full support and encouragement, play an exemplary role, and form an atmosphere to improve the efficiency of teaching and learning by using information technology. Learning supported by constructivism is not only affected by learning motivation, but also by learning style, learning environment and learning strategy. Therefore, in the process of information leadership training for principals, students' learning style and learning strategy should also be paid attention to. The trend of teaching reform is the integration of information technology and curriculum. Only teachers with the operation ability of information technology can carry out information education and move from tradition to modernization.

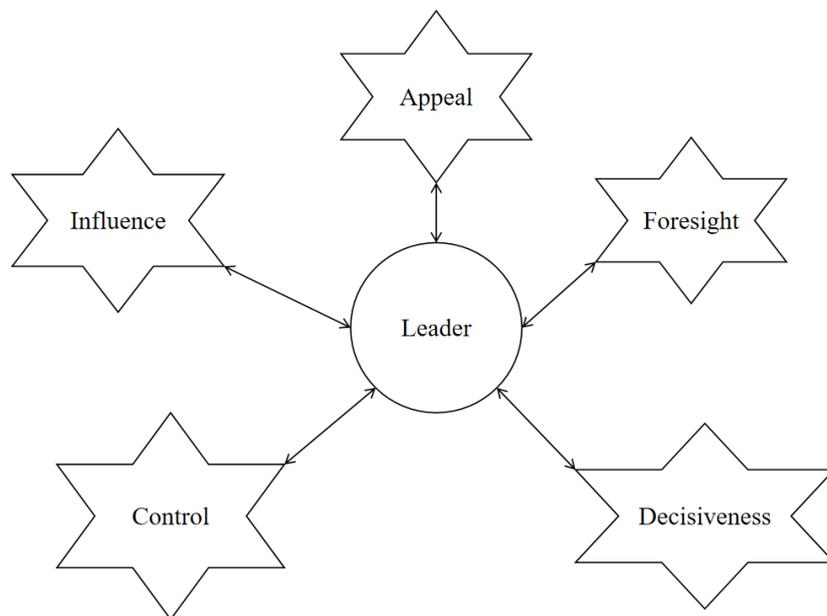
**3.2. Construction of information-based teaching leadership model for principals**

The research on leadership model is relatively mature in the fields of management and education. Drawing on and deeply analyzing the previous research results is the basis for constructing the leadership model of the principal's information-based teaching and research innovation. The leader in the information age is also a dependent variable. The leader must not only adapt to the changes in the leadership situation in the information age, but also adapt to the requirements and expectations of the leaders in the information age. From the perspective of leadership, in-depth and meticulous research on information leadership has been carried out, and a research framework of information leadership has been initially formed, as shown in Figure 1.



*Figure 1: Research framework of information leadership*

A scientific and practical leadership model discussed and proposed. It believes that leadership is a general term for various abilities that support leadership behavior, and its focus is the leadership process. According to the analysis of the leadership process, it is proposed that leadership should include the following five capabilities, which together constitute the leadership model, as shown in Figure 2.



*Figure 2: The Five Forces Model of Leadership*

**4. Conclusions**

In the information age, education informatization has become the only way to advance the education process in the future. As far as the principal is concerned, as the highest decision-maker of

the school, the level of its informatization leadership directly affects the construction and development of the informatization of the school. A meaningful attempt was made to implement leadership training for primary and secondary school principals more effectively with the support of a blended learning environment. Therefore, how to improve the principal's information-based leadership and how to make the information-based leadership more effective are issues that we must consider. The principal is the leader of the school's informatization project. It is the principal's responsibility to promote the development of education informatization. The domestic academic research on the mechanism of informatization leadership on its leadership effectiveness is extremely lacking. Such research needs to continue to be carried out in a long-term and in-depth manner, which must involve strategic planning, relationship processing, and task achievement. Therefore, the construction of principal's information leadership is closely related to the improvement process of strategic performance, relationship performance and task performance. The evaluation system of the principal's information-based teaching leadership has not yet been deeply explored, which has a certain impact on the overall evaluation of the effectiveness and scientificity of the practice of improving the principal's information-based teaching leadership. Under the background of education informatization, how to integrate the construction of principal's informatization leadership into the improvement process of principal's work performance, and how to reasonably generate and construct the principal's informatization leadership in the changing leadership situation, need to be deeply studied and considered.

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