

Exploration on the construction of teaching Leadership in the Era of Big Data

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Abstract: The era of big data has provided unprecedented educational opportunities. In recent years, with the deepening of education reform, the higher education model has changed fundamentally. Therefore, it is necessary to further improve the teaching leadership of teachers and cultivate qualified talents. This paper discusses the necessity of improving the teaching leadership in the background of big data, and discusses the effective measures to improve the teaching leadership in the era of big data.

Keywords: Big data; University teachers; Teaching leadership

Big data puts forward higher requirements for the teaching leadership of college teachers, which enables teachers to break the shackles of the traditional education system, guide students to learn professional knowledge, expand professional thinking, especially cultivate practical students in the professional field in the future. Only in this way can teachers make better use of their knowledge and experience, serve the society and realize their life value. At present, teachers' teaching leadership is not strong, their work efficiency is low, and there are serious problems in talent development. Therefore, it is very important to make full use of the advantages of big data to strengthen the teaching leadership of university teachers.

1. Necessity to improve the teaching leadership of college teachers under the background of big data

1.1 It is conducive to tapping students' professional potential

At present, although colleges and universities are constantly sending talents to the society, the quality of talents cannot be guaranteed. Students' professional interests and learning abilities vary differently. When some high school students fill in the application volunteer, in order to be successfully admitted to the university, fill in the major that they do not particularly understand, which will lead to the decline of the teaching quality of colleges and universities. And some funny things can provide opportunities to change majors, so that students can strengthen professional guidance in the learning process, can fully understand the potential of students, develop students' knowledge, analyze and solve professional problems. Combine theory with practice, and improve students' practical ability. Students with learning background do not get enough attention in colleges and universities, and under the influence of various factors, students cannot concentrate on learning professional content. Most students only understand the basics and do not go deep into the learning content. This can neither promote the development of professional skills nor increase student employment rates. According to the development of The Times, students' interest in professional data can be used to improve the role of teachers in professional choice.^[1]

2. Principles of classroom leadership improvement for college teachers

First, give the students the space. Leadership does not mean supervision and restriction. Teachers have a direct and binding responsibility for students. At the same time, teachers combine basic professional ability, intellectual and emotional, teacher authoritative learning process and many other factors. Teaching process does not equal to the teacher's control of the learning process, but the mandatory control of students. The concept of university teachers' leadership emphasizes the comprehensive influence on the teacher-student interaction, rather than the guiding power for teachers. College students are in a special age group, and their physical and mental development is immature. Colleges and universities must change from one-way management to the joint training between teachers and students through leadership. Senior teachers must change their ideas and provide students with space for themselves^[2].

Second, to ability training. No longer unilaterally instilling knowledge in students, the mastery of practical function knowledge is directly related to students' understanding, digestion and development ability, and is related to students' future career planning and life. Teachers teach in the classroom, so we must shift from the traditional knowledge-based teaching methods to the development of important skills. In order to ensure the normal and effective operation of the classroom, monitor all the teaching links in the classroom, change the classroom teaching mode, and follow the student-centered teaching concept.

Third, innovation and expansion. Colleges and universities must adhere to student-centered teaching, and teachers must give students opportunities to think and solve problems in the process of work. Reasonable and standardized classroom can guide students to actively think and solve problems, improve students' independent research ability and collective cooperation ability, not only improve students' ability to apply knowledge, but also improve students' comprehensive quality.

3. The influencing factors of college teachers' teaching leadership

3.1 The Influence of university cultural atmosphere

School culture plays an important role in the development of teachers and affects the efficiency of teachers' teaching leadership to a large extent. However, the difficult scientific research atmosphere and the loose teaching process of the school largely hinder the teaching activities of the school. The lack of teachers' enthusiasm leads to teachers' reluctance to invest in teaching and low enthusiasm, which affects the formation and development of teachers' teaching leadership. In addition, the cultural tradition of colleges and universities hinders the formation and implementation of teaching policies to some extent. The estrangement between school members partly limits the willingness of university teachers to share professional teaching knowledge with their colleagues. Generally speaking, teachers do not interfere with each other in the learning process. Therefore, many teachers are not willing to assume the responsibility of leading teachers and fear of destroying the harmonious relationship. In the long run, the motivation of teachers to cooperate and communicate with others will be weakened^[3].

3.2 The Influence of teachers' personal concepts and characteristics

Teaching concept directly affects the teaching orientation, and teachers' attitude towards students determines the way of teachers' work. The work of teachers is to promote students' all-round development, fully consider the needs of students, stimulate students' internal motivation, and maintain a good relationship with students in the learning process.

4. Effective Measures to Improve the Teaching Leadership of College teachers in the Era of Big Data

4.1 Encourage college teachers to participate in the research work

Colleges and universities should encourage teachers to actively participate in relevant research and attach great importance to teachers' teaching leadership. In the rapidly developing information society, teachers must constantly update and enrich their knowledge and abilities in order to better serve the students. Colleges and universities need to improve the education system, emphasizing that teachers should not only cultivate teaching skills, but also improve their leadership position, gradually improve the quantitative evaluation standards, and stimulate their enthusiasm.^[4]

4.2 Give full play to the advantages of big data to improve teachers' teaching ability

At present, some teachers face many challenges in the use of professional information technology, which is not conducive to the improvement of teaching quality. Therefore, teachers must reevaluate the data and play an important role. First, teachers must improve their skills, change the traditional educational thinking, and take measures to realize the importance of big data in the process of teacher training. Teachers should actively use big data as a useful teaching tool. In the process of practical learning, we must strengthen the control of teaching, so as to fully mobilize classroom activities and control all students' activities in the learning stage. Avoid some students can not keep up with the pace of the teacher, affect the teaching effect. In addition, teachers must improve their understanding of big data, analyze the charac-

teristics of big data, use big data to analyze the characteristics of teaching, and use the advantages of big data to help teachers improve their leadership^[5].

4.3 Try to practice the teaching leadership

It is an effective way to improve the management level of college teachers. In classroom teaching, establishing a common learning culture is one of the important means to improve the leadership of college teachers in teaching. Therefore, teachers can improve teaching leadership by building a common learning culture in the classroom. In the process of learning, we should pay attention to the value orientation of mutual cooperation, mutual care and resource sharing, guide and encourage students, respect students' basic positions, and pay attention to their individual differences. Teachers guide the students in the classroom, in the atmosphere of mutual understanding, in the spirit of cooperation, to achieve common goals, common guidance, and in this process to improve their skills. In addition, college teachers should actively participate in the formation of an education community, strengthen cooperation with other teachers, actively participate in higher education reform, give full play to their leadership role and improve leadership.

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In the era of big data, college teachers are facing great challenges and development opportunities. Teachers must actively understand their leadership role. Only in this way can they fully fulfill their mission and responsibilities. In recent years, the deepening of educational reform has fundamentally changed the education mode of colleges and universities, further improved the leadership of teachers, and cultivated qualified talents. Strengthening the leadership of teachers is of great significance to promote students' learning, improve professional skills, and better adapt to the needs of social development.

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