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Research Article

Research on the Cultivation of Pharmaceutical Talents in the Context of Science and Education Integration

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Abstract: This paper mainly focuses on the cultivation of pharmaceutical talents under the background of science and education integration. By analyzing the basic concepts of science and education integration, this paper explores the training principles that should be adhered to in the process of pharmaceutical talents training in colleges and universities.

Keywords: Integration of science and education; Pharmacy; Training mechanism

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The development system of pharmaceutical specialty is huge, it can be divided into many different types according to its specialty direction difference. Cultivating pharmaceutical talents is of great significance to promote the development of medicine, bioengineering and other industries.

1 Brief description of integration of science and education

In the course of the training of pharmaceutical talents in the new period, teachers should pay more attention to the application of scientific research and experiment in teaching, combine the characteristics of students' study and the emphasis of pharmaceutical teaching, conduct comprehensive and systematic training for students, run through the relevant knowledge of scientific research and experiment in the course of teaching, carry out three-dimensional teaching to help students understand the source and development direction of knowledge in the process of learning, not only learn, but also know how and what to learn, so that the students will gradually form an independent thinking consciousness, Ability to think independently of what you have learned[1]. At the same time, in the course of teaching, teachers can also find that teaching alone does not allow students to form a comprehensive understanding of the relationship between knowledge and the direction of its application. The best way is still scientific research, leading students to apply what they have learned and to carry out deep-seated research. Only by applying what they have learned can students internalize their knowledge into the nourishment of their own growth and development and realize all-round development and progress.

2 Research on the Training Mechanism of Pharmaceutical Talents in the Context of Integration of Science and Education

2.1 Promoting structural optimization of the curriculum

Through the analysis of the teaching materials used in pharmaceutical teaching, it can be found that the updating frequency of the textbooks used by students is kept once every five years, which leads to many new scientific research achievements that cannot be reflected in the textbooks used by students in time. In the course of teaching, teachers should pay more attention to the proportion of teaching and scientific research in students' study, overcome the influence of updating the knowledge points of teaching materials on students as much as possible, and, if necessary, cooperate with the school teaching objectives and the call for updating teaching materials. In this process, teachers should also pay more attention to the teaching work of basic courses, help students lay a solid learning foundation by setting up systematic basic courses, and carry out teaching practice on this basis, and the students' performance is obviously improved. For example, in the course of teaching, we can increase the relevant knowledge of chemistry and meristem biology, and at the same time, we can add pharmacology and other monographs to teaching, so as to create a more flexible pharmaceutical teaching system. Help students master more systematic knowledge, students to learn more solid foundation.

2.2 Stimulate students' interest in scientific research

Under the background of the integration of science and education, some students have some problems such as lack of innovation enthusiasm, which to some extent affects the training effect of students. In this process, teachers should not only pay attention to the training of students' basic knowledge and the construction of comprehensive knowledge system, but also increase the content of scientific research in the teaching process in time according to the characteristics of science and education fusion theory. Guide students to understand the application of knowledge and find their own problems in team communication[2]. The results of the survey show that students' awareness of scientific research and enthusiasm for innovation have improved significantly after they have participated in the work of scientific research teams organized by teachers. In this process, teachers should guide students scientifically to help students choose the direction of scientific research of interest and carry out follow-up work. Schools and relevant units should also pay more attention to the comprehensive training of pharmaceutical students, encourage the introduction of scientific research projects with students as the main body and organize competitions, and stimulate students to participate actively. In the process of scientific research, improve their own experimental ability and the ability to find problems.

2.3 Adjustment of teaching methods

In the process of cultivating pharmaceutical talents, teachers should adjust the teaching methods according to the students' characteristics and the problems existing in traditional teaching, and take the establishment of a systematic pharmaceutical teaching system as the guide. Fully respect students' interest in learning to carry out comprehensive teaching. In addition to guiding students to understand the basic concepts of pharmacy through classroom lectures and demonstration visits, teachers can also link experimental teaching with online teaching, guide students to learn independently and complete experiments. Through the online platform to achieve the purpose of real-time communication with students. At the same time, teachers should pay more attention to the cooperative guidance of students in the teaching process, group students according to the students' situation, guide students to learn from each other and improve their comprehensive ability. Teachers can also adjust teaching methods, introduce more new forms of teaching methods and improve teaching quality.

2.4 Setting up a training platform for pharmaceutical talents

Teachers in the field of pharmacy in colleges and universities should form a comprehensive understanding of talents in the course of teaching, understand that this kind of talents cannot be cultivated overnight, but need schools and teachers to work together to provide students with massive learning resources and help students build a basic pharmaceutical knowledge network. On this basis, we should expand and guide students to find the right direction of development and then improve

their learning depth[3]. In this process, schools should actively promote college cooperation and expert lectures, guide students to understand the new and more advanced pharmaceutical development trends through, inter alia, attending lectures, constantly improve students' thinking activity, broaden their horizons, guide students to gradually develop their learning ability and thinking state of "going deep" and "jumping out" in the process of learning, clarify their own development direction, and form a basic understanding of their own learning innovation, so that students' learning quality will naturally improve.

3 Conclusion

Under the guidance of this concept, teachers in colleges and universities and pharmaceutical fields should pay more attention to the concept of integration of science and education, make a comprehensive analysis of the development direction and training mechanism of students, clarify the shortcomings of their own teaching and training mechanism and improve them in time.

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