Building a Bridge between Home and School Digital Education: Improving the Guiding Effect of Family Education

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Abstract: With the rapid development of digital technology, the mode of educational interaction between families and schools is undergoing profound changes. This paper aims to explore the importance and feasible ways of building a digital education bridge between family and school in order to improve the effect of family education guidance. By establishing a diversified digital platform and strengthening information sharing and communication and cooperation between families and schools, parents can give full play to their initiative in education, so as to effectively improve the quality of family education. At the same time, we should also pay attention to the role positioning of both families and schools in the digital environment, and formulate corresponding guidance strategies to create a good education ecology for the all-round development of children.

1. Introduction

Education is a systematic project, which needs the joint efforts and cooperation of family, school and society. As the starting point and foundation of children's growth, family education has a decisive impact on their moral cultivation, living habits and values. However, in the current fast-paced life, many parents are difficult to efficiently perform the responsibility of family education due to various reasons such as time and knowledge. Although school education plays a leading role in the transfer of knowledge, it still faces the challenge of poor communication between home and school and low involvement of parents. Therefore, building a digital education bridge between families and schools is conducive to enhancing mutual understanding between families and schools, improving parents' awareness of education participation, and thus improving the quality and effect of family education guidance.

2. Build a diversified home-school digital platform

2.1 Building an online home-school interactive community

Building an online home-school interactive community is an important link to build a digital education bridge between home and school. This interactive community can be a comprehensive online platform, which integrates various functions such as home-school information release,

communication and interaction between teachers, students and parents, and educational resource sharing, to facilitate the communication and cooperation between home and school. In the construction of online home school interactive community need to pay attention to the combination of functionality and ease of use, on the one hand, the platform should provide rich interactive function module, such as campus dynamic release, online communication BBS, education repository, questionnaire survey, etc., meet the needs of both sides, on the other hand, platform interface design and operation process need populist concise, reduce the threshold, to ensure that different age levels, different technical level of parents can easily. The construction of the community should also attach importance to privacy protection and information security, the platform needs to develop strict user identity authentication and access management system, to effectively protect personal information and student data, create a safe and reliable network communication environment, at the same time shall establish and improve the community management mechanism, develop clear code of conduct, maintain good order of online communication. Through the online home-school interactive community, schools can timely release school information and announcements to parents, and parents can also easily understand their children's learning and life at school. More importantly, this platform builds a smooth communication channel between home and school. Parents can communicate with teachers and class teachers online, give timely feedback on their children's learning status, and seek professional advice and advice. In addition, parents can also exchange experiences and share parenting experiences through forums and other means, thus creating a benign family education atmosphere[1].

2.2 Develop mobile applications for home education

In the era of mobile Internet, family education apps provide convenient resources and services for parents and children to improve the quality of education. Its core functions include modules such as knowledge base, educational tools, course training and social interaction. Knowledge base module provides family education theory, parenting skills and other content to meet the diversified needs of parents. Educational tools module integrates time management, behavior recording and other tools to assist family education. The course training module provides a series of courses to develop parents' educational concepts and skills. The social interaction module provides a platform for communication and sharing. The development of apps should attach importance to the scientific and authoritative content, invite experts to participate, and pay attention to multimedia presentation. Function design should be personalized, recommend the corresponding content. The family education APP has the advantages of convenient time and space, rich content and strong interaction, making up for the lack of professional knowledge of parents and providing all-round support[2].

3. Strengthen information sharing and collaboration between home and school

3.1 Establish digital student growth files

Digital student growth archives refer to the use of modern information technology to systematically collect, sort out and record students' learning, life, mental health and other aspects of information to form a comprehensive electronic archive. The first task of building a digital student development profile is to define the type and scope of information to be collected and recorded, which may cover a full range of information such as students' academic performance, participation in extracurricular activities, behavior, psychological assessment results, and personal strengths and hobbies. Secondly, unified information entry, storage and maintenance standards need to be developed to ensure the integrity and consistency of data. In addition, the digital archives should also be connected with the school's educational administration management system to achieve

automatic data collection and real-time update.

The core value of digital student development files is to promote information sharing between home and school. Through this unified digital platform, schools can timely synchronize the latest learning situation and growth dynamics of students to parents, and parents can also access their children's file information online. This kind of timely and comprehensive information sharing helps to deepen the understanding of children's growth and provides a strong basis for educational guidance[3].

In addition, digital student growth files can provide objective data support for comprehensive development evaluation of students. Compared with the traditional way of evaluating students only relying on academic performance, by summarizing and analyzing the multi-dimensional information in the file, we can more comprehensively understand and evaluate the ability, quality and characteristics of students. This provides an important reference for schools to develop training programs and families to choose education methods.

3.2 Carry out online home-school meetings

With the development of modern communication technology, online school meeting become an effective way to strengthen home school information sharing and collaboration, online school meeting can be regular meeting, also can be temporary meeting on some special circumstances, the purpose is to promote the interaction between home school, the child's education problem. Online home school meeting compared with traditional offline meeting has many advantages, the first is the flexibility of time and place, parents can be in any place, any time to participate in the meeting, to avoid the trouble of the long journey, the second is higher participation, through video link parents can more actively ask questions and share ideas, online meeting can also use a variety of interactive forms such as voting, questionnaire, online discussion to enhance the participation experience. In order to realize high-quality online home-school meeting, the key is to make technical preparation and meeting organization. In terms of technology, select appropriate video conference system to ensure stable and smooth audio and video system; provide various entrances, including computer and mobile terminals; set screen sharing to facilitate data display and discussion, make clear agenda and inform all participants in advance; set meeting minutes and follow up record, to ensure the implementation of meeting resolutions. Online home school meeting including the core content of the school of this semester students learning situation and development trend of bulletin, the students' overall performance evaluation and put forward guidance, parents feedback children at home, learning status, mutual exchange experience, online meeting can also be school development planning, new policy measures topics such as interpretation and interactive discussion. Between home school regular online meeting is not only beneficial to strengthen mutual understanding and information sharing, more important is to create the home school close together, through full communication, parents can fully understand the children in school learning, master the school education idea and way, while schools can learn parents education demands, understand the family life environment, to put forward more accurate and effective guidance, home school cooperation will be for the healthy growth of children to create a good education ecology[4].

4. Give full play to the initiative of parents in education

4.1 Encourage parents to participate in online interaction

Building family and school digital education bridge is the key to give full play to the parents education initiative, and encourage parents to actively participate in online interaction is a powerful way to achieve this goal, the school should be in the established online home school interactive

community, mobile APP platform set parents zone or parents BBS module to attract parents to join and use, in the parents zone can open different topic section such as education idea communication, learning counseling for help, life habits, etc., provide free expression space for parents, the relevant person in charge of school and professional teachers should regularly answer within the BBS parents, Take the check for parenting. In addition, schools should actively organize parents to participate in various online interactive activities, such as regular parents 'public classes or online lectures, invite parents to attend remotely or participate in interactive links; set up parents' reading group, discuss online educational books or famous parenting proverbs; hold parents' classroom sharing meeting, invite some parents to share parenting experience online, these activities not only help to expand parents' educational vision but also mobilize parents' initiative of learning and participation. School can also play the characteristics of parents expertise, encourage them to organize online theme activities, such as good at cooking parents can open "child nutrition recipes" sharing, hobby manual parents can organize online teaching interaction, etc., through this way parents in share each other, in the process of learning subtly deepen the understanding of family education and attention. Finally, the school should establish an incentive mechanism for parents to participate, and fully affirm and commend the parents 'representatives who have performed actively and made outstanding contributions in the online interactive activities, which is not only conducive to further mobilizing parents' enthusiasm for participation, but also can drive the learning atmosphere of other parents, forming a benign demonstration effect[5].

4.2 Provide parents with independent learning channels

Parents, as the first people responsible for their children's education, need to constantly learn and improve their own family education literacy. This is essential for promoting the healthy growth of children. Schools can offer special courses on parent education on the home-school digital platform, systematically providing theoretical knowledge of family education, parenting skills, teacher and student case studies, and other content. These courses can be in the form of video-on-demand, convenient for parents to study independently anytime and anywhere. They can also arrange for professional teachers to teach live online, bringing a more interactive experience. The course content should not only cover the educational needs of children at different ages, but also include educational guidance in special family circumstances to meet the personalized needs of different families. In addition, the school can integrate educational resources to provide parents with rich independent learning materials, such as opening family education electronic library to collect excellent family education books at home and abroad; establish video database, summarize video materials such famous lectures and successful parents; recommend authoritative family education website, public account and APP to provide more independent learning channels for parents. In parents with independent learning channels of the two sides can also innovative interactive forms to promote the exchange of experience between parents, such as using live platform to invite some parenting experienced parents online sharing classes, online parents reading group, study together to explore excellent family education books, family education essay contest, encourage parents to share their parenting experience, etc. Through independent learning and the interaction and communication between parents, parents can systematically master the theoretical knowledge and practical skills of family education, and can also establish a scientific concept of family education, so as to effectively improve the quality and level of family education guidance[6].

5. Optimize the role positioning and guidance of home and school

5.1 Clarify the role boundaries of home and school

Family and school play different but complementary important roles in the growth process of children. Only by reasonably dividing the scope of responsibility and coordinating each other can they play their unique role in education and create the best environment for children to grow up. Family is the first school for children's life education and moral cultivation. Parents are the closest and most direct educators in their children's lives. Therefore, the primary responsibility of parents is to impart the right values, cultivate children's good behavior habits, and meet their basic physical and psychological needs. They should create a family atmosphere full of love and understanding for their children. Meanwhile, the school, as a professional educational institution, has its own core responsibilities. Its main task is to teach basic knowledge, cultivate students' learning ability and comprehensive quality, and help children master knowledge and skills. It should also develop their ability to think and solve problems independently, while focusing on the overall development of students. Therefore, both parties need to define their own responsibility boundaries and professional areas under the common goal of educating children. This will help avoid role overlap and conflicts, enabling each party to maximize their unique roles in education.

5.2 Formulate differentiated guidance strategies

Due to the actual differences among different families and students, it is necessary to formulate corresponding differentiated guidance strategies when building the digital education bridge between home and school. This is crucial for improving the pertinence and effectiveness of family education guidance. This requires developing differentiation strategies tailored to different family backgrounds. For instance, more attention and support should be given to special groups, such as single-parent families, families with financial difficulties, and families of migrant workers' children. Regularly understanding the actual situation of each family is essential, and providing specific guidance and suggestions based on their unique characteristics is imperative. Additionally, organizing parent experience exchange meetings can enable parents in similar family environments to share their experiences and learn from each other. According to the age of the children, the guidance should focus on the study habits and self-care ability; for the families of middle school students, to guide the correct outlook on life and values to help solve the psychological problems of adolescence. Finally, according to the personality characteristics and development needs of the child, personalized strategies are developed. For introverted children, it is necessary to cultivate a parent-child interaction relationship; for active and inattentive children, guidance on self-discipline is required; and for children with learning difficulties, it is important to seek patient channels and professional help. In short, differentiated guidance strategies can accurately meet the personalized needs of different families and children, avoiding a "one-size-fits-all" approach to education. This, in turn, enhances the level and quality of family education. By closely collaborating with schools and learning from each other, we can design the best development path for each child. This is the fundamental purpose of building a digital education bridge.

6. Conclusion

Constructing the digital education bridge between family and school is an effective way to improve the guiding effect of family education. Digital technology not only provides novel channels and ways for home-school interaction, but also brings unprecedented opportunities and challenges for family education guidance. By building a diversified digital platform, strengthening

home-school information sharing and collaboration, stimulating parents' educational initiative, and optimizing home-school role positioning and guidance strategies, we can effectively promote the benign interaction between home and school. This will create a more superior educational ecological environment for the healthy growth of children. Looking forward to the future, we should continue to explore the new model of digital family education guidance, and constantly improve the quality and level of family education.

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