Study on the Improvement of Parent-Child Relationship of Adolescents Based on Computer

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Abstract. With the rapid development of society, the study pressure of teenagers and the work pressure of adults are more and more heavy, which also leads to the disharmony of parent-child relationship. Therefore, this paper uses computer to set up the software of improving parent-child relationship, which mainly includes the examples of improving teenagers. Through computer-aided technology, this paper tests the effect of improving the parent-child relationship of teenagers. Through the test results, we can know that computer-aided technology can guide the psychological quality of teenagers, which will greatly alleviate the parent-child relationship of teenagers.

Keywords: Computer Aided Technology, Teenagers, Parent-Child Relationship

1. Introduction
Parent-child relationship is the earliest interpersonal relationship established between children and other individuals, which will directly affect their future character building[1]. Teenagers are the key period of psychological shaping, which will encounter various difficulties and puzzles. Therefore, we must improve the parent-child relationship of adolescents, which will affect their family atmosphere, including academic performance, social adaptability, mental health, etc. Therefore, parent-child relationship will affect the future development of adolescents, which can not be ignored. With the rapid development of computer technology, multimedia technology has been popularized in primary school and junior high school, which lays the foundation for the improvement of the relationship between parents and children of teenagers[2]. Multimedia technology has many advantages, such as rich forms of expression, good interaction, flexible personality, which can be more suitable for the subject teaching of teenagers. At the same time, computer has also been applied to psychological counseling, which includes parent-child relationship cases, psychological state assessment, psychological professional courses, psychological counseling, etc. By introducing computer into
psychology, we can better improve the parent-child relationship of teenagers, which will reflect the reality and superiority of psychological counseling.

2. Forms of parent-child relationship problems of adolescents

There may be many problems in the parent-child relationship of teenagers, which has different manifestations[3]. According to the related research, this paper expounds the problems of many kinds of parent-child relationship.

2.1. Single way of communication between parents and children

For teenagers, they pay more attention to their parents' gaze, reaction, language, action, etc., which is also the most lacking problem between parents and children. Most parents lack of communication in language, emotion, vision and action, which will be detrimental to the relationship between parents and children[4]. Therefore, parents should pay attention to the communication between teenagers and relieve the tension between them through various ways of communication. For example, through parent-child games, parents can create a light and pleasant atmosphere for teenagers, which will enhance the feelings between parents and children.

2.2. Poor content of parent-child interaction

Most families pay more attention to the intellectual development of teenagers, which will ignore their personality shaping, emotional development and habit cultivation[5]. Some migrant workers are impacted by cultural differences, they think that academic performance is the most important thing, which will lead to parents more related to the intellectual factors of teenagers. Because they don't know how to express their concern for teenagers, some parents will lack the content of interaction with parents and children, which will lead to more and more tension between parents and children. At the same time, in school, teachers gradually suppress the needs of teenagers to ask questions, which will make teenagers communicate less in the family.

2.3. Low frequency of parent-child interaction

Interaction is the core factor to enhance parent-child relationship, and its frequency will directly affect parent-child relationship. Intimate communication can meet the needs of teenagers' physical and mental development, which will meet their spiritual enjoyment[6]. Through parent-child interaction, teenagers can eliminate the bad emotions such as tension and anxiety, which will improve their personality and beliefs. However, the current society is a fast-paced society, which causes most parents to shift their focus to work. Therefore, many families rarely have parent-child interaction, which will seriously affect the parent-child relationship of teenagers.

3. Computer aided parent-child relationship experiment

3.1. Test objects and tools

This time, two classes of students were selected as the experimental subjects, which were divided into experimental group and control group, with 20 boys and 20 girls respectively. The main content of the auxiliary software is to reproduce the life situation and the different expressions of parents' love for their children, which is a software with the theme of improving parent-child relationship.
3.2. Test method
The relationship between parents and children in the experimental group was improved by computer. There were two classes a week for one month. The questionnaire survey was carried out by computer-aided software, and the Handbook of parent-child relationship diagnostic test (PCRT) was adopted in this paper. This test ensures that each student is tested for the first time. Moreover, each student has a computer, which does not affect each other.

3.3. Analysis of test results
Through the detection of related samples, the following results are obtained in this paper, as shown in the table 1.

| Dimension       | Group          | Result          | Dimension         | Group          | Result          |
|-----------------|----------------|-----------------|-------------------|----------------|-----------------|
| Passive rejection| Test group | 13.26±2.37      | Test group | 11.11±3.56
|                 | Control group| 12.75±3.18      | Control group | 11.42±3.91
|                 | T             | 0.72            | T                 | -0.32          |
|                 | Test group   | 14.64±3.23      | Test group | 14.76±3.42
| Active refusal  | Control group| 14.57±3.37      | Control group | 14.53±3.65
|                 | T             | 0.09            | T                 | 0.25           |
| Strict type     | Control group| 11.82±3.36      | Control group | 11.78±3.34
|                 | T             | 0.97            | T                 | -0.12          |
| Expectant type  | Control group| 9.21±4.07       | Control group | 13.46±2.74
|                 | T             | 0.48            | T                 | 0.08           |
| Interference type| Test group | 9.02±3.92       | Control group | 115.78±16.94
|                 | T             | -1.09           | T                 | 0.19           |
| Disturbed type  | Control group| 6.10±3.48       | Total score | 115.78±17.34
|                 | T             | 0.15            |                   |                |

The scores of parent-child relationship in the experimental group were all decreased, only in the dimensions of "strict", "interference" and "uneasy", which were based on the premise of parents' love for their children. However, most parents will influence the parent-child relationship through various ways, such as interference, coercion, improper expression and so on. Therefore, by improving the understanding of the parent-child side, the parent-child relationship can be improved. One of the key contents of the assistant software is to teach children how to communicate with their parents, which will improve the parent-child relationship. In a word, through software assisted learning, we can help students improve the parent-child relationship. Of course, the experiment will inevitably be interfered by some irrelevant variables, such as the state of the students participating in the experiment, the change of the experimental environment, the influence of the teachers and so on. Therefore, we will further confirm the effect of computer-aided software in the future.

4. Suggestions for improving the parent-child relationship of teenagers
4.1. Pay attention to the improvement of parent-child relationship
Teenagers are in adolescence, which is the key period of shaping personality. Therefore, it is difficult for parents to educate their children. Many parents are at a loss for their children's education, which will make them more concerned about their children's learning and living conditions. Schools should organize more seminars for parents and teachers. By inviting parents to participate regularly, parents can understand their children's learning and psychology, which will strengthen the communication between parents and children. On the premise of equality, democracy and respect, we can strengthen children's trust in their parents, which will avoid severe punishment and authority of fathers.

4.2. Pay attention to the stimulation of feeling
By improving the parent-child relationship, we can inspire young people's feelings. At the same time, we can strengthen the cultivation of students' empathy ability by paying attention to the stimulation of feeling. The school psychological counseling center should make different methods according to the characteristics of teenagers, which will strengthen their empathy ability. For example: group training, watching movies, reading and learning traditional culture, etc. Through empathy, teenagers will be better placed to feel the benefits and help from others. By arousing emotion, we can improve the parent-child relationship of teenagers in an all-round way, which requires the full cooperation of schools and families.

4.3. Improvement of parents and children
With the development of economy and society, the number of migrant children is increasing. Therefore, they must attach great importance to education. The society must create a good environment, which will guarantee the equal right to education for the children who move with them. By carrying out "equal education", young people can participate in team organization, evaluation, selection and other activities, which will reduce the discrimination of migrant workers. By equipping with psychology teachers, teenagers can overcome learning obstacles, which will help them establish healthy psychology and healthy personality. At the same time, schools, teachers and parents should know the students' learning and living conditions in time, which will help teenagers to adapt to the city's learning life as soon as possible.

5. Conclusions
Through computer-aided software, we can improve the parent-child relationship of teenagers, which is inseparable from the training of software. Through the software, the school improved the parent-child relationship of the experimental group students. Therefore, computer-aided software can replace the traditional way of teaching, which will improve the psychological quality of students. Through verification and promotion, psychological quality educators must follow the progress of the times, which will better solve the parent-child relationship of more teenagers.

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