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# General Education Application Based on Artificial Intelligence Technology

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## Abstract

As Alpha Go defeated the World Go Championship in 2016, it exploded worldwide discussion of artificial intelligence. Human society has entered the fourth industrial revolution - the era of artificial intelligence. As for a country, it has successively introduced a series of policies to embrace this change. In the seventh meeting of the Central Committee for Comprehensive Deepening Reform, President Xi emphasized that grasping the feature of artificial intelligence development of a new generation and promote deep integration so as to construct the real economy, which once again highlights the importance of deep research for artificial intelligence in current era. The integration of artificial intelligence and various sectors, especially the education sector, has become the focus of attention from all aspects of life. At present, many studies have stressed emphasis of artificial intelligence on the impact of education and educational form so as to pay attention to and explore its dilemma and corresponding resolution. Then the primary and secondary schools have their influence on us both in terms of analysis and practice in the basic education stage . What changes should be made to its educational goals, educational content and educational methods in order to cultivate laborers based on the future society? . Based on the consideration of such problems, this study includes a large amount of literature review, policies and related literature to find out the characteristics of existing educational goals, content and methods, and then summarizes the new necessary features in the age of intelligent . Through comparative analysis, we can find out the dimension of reshaping new traits. It is expected to play a guiding role in the future development of schools and teachers, and it can better cultivate innovative talents that can adapt to the future.

**Keywords:** Artificial intelligence, General education, School education, Education goal

## 1 Introduction

In the field of computer science, artificial intelligence plays an important role. It can effectively help humans to learn, research, language understanding, recognition and other aspects, bringing great convenience to people's life and learning. The use of artificial intelligence technology in the field of education, the two complement each other, artificial intelligence technology can promote the innovation of primary and secondary education, on the contrary, teaching reform can also promote the development of intelligent technology. In other words, artificial intelligence technology plays an important role in the field of social economic education. At present, with the continuous development of scientific information

technology, people are gradually entering the era of big data and intelligence, and artificial intelligence has become a new competition target between countries. After several years of development, China's artificial intelligence industry has made rapid progress, and compared with foreign developed countries, it has made great progress. Although there are many related technical talents in China, it is still the main constraint for the development of intelligent technology for artificial intelligence talents. Artificial intelligence involves high-quality talents in various disciplines such as computer, mathematics, management, and foreign languages. Strengthening the use of artificial technology in education can reserve more talents for the development of intelligent technology artificial intelligence. current stage. In the process of primary and secondary education, the integration of more artificial intelligence technology can help students broaden their thinking patterns, give play to students' imagination and creativity, promote the continuous development of quality education, and open up the situation of talent shortage.

## **2 "Artificial Intelligence and Education" is a new field of educational research**

The major relationships that play an important role in the development of education are mainly the relationship between people and pedagogy, the relationship between educational practice and pedagogy, the relationship between other disciplines and pedagogy, the relationship between (ethnic) culture and pedagogy, and the pedagogy of China. There is also a relationship between Chinese and foreign education. Nowadays, a new relationship between education and artificial intelligence has been added. This is mainly because the rapid rise of artificial intelligence technology has triggered a dramatic shift in the ecological science of humanities and social sciences, and it has almost changed. First, artificial intelligence is fundamentally different from other technologies in the era of traditional technology. Other technologies are mainly the replacement or extension of human body organ function, while artificial intelligence directly challenges the human brain, consciousness and the existence of human subject itself, making humanity face an unprecedented crisis. Second, the rise of artificial intelligence coincides with the critical period of international competition, domestic social transformation and national rejuvenation. It is a leverage that incites national reform and international relations, and triggers economic, cultural, educational, interpersonal and daily life. In-depth changes in the field. Thirdly, focusing on artificial intelligence involves almost all aspects related to the development of a discipline, such as subject objects, subject nature, research methods and methodologies, research processes, research frameworks, and also poses a huge challenge to the traditional interpretation framework of disciplinary theory, forcing disciplines. Subject reconstruction must be oriented and based on artificial intelligence, otherwise its legitimacy and rationality will be questioned. Education is no exception.

### **2.1 The main challenges facing artificial intelligence education applications**

Data modeling and analysis is the core productivity and value of artificial intelligence technology education applications. Data modeling should be based on the possibility of data, based on the brain,